

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	22.89
QPSK	2498.5	39675	5	1	12	22.94
QPSK	2498.5	39675	5	1	24	22.88
QPSK	2498.5	39675	5	12	0	22.05
QPSK	2498.5	39675	5	12	7	22.04
QPSK	2498.5	39675	5	12	13	22.00
QPSK	2498.5	39675	5	25	0	22.05
QPSK	2593	40620	5	1	0	23.15
QPSK	2593	40620	5	1	12	23.29
QPSK	2593	40620	5	1	24	23.27
QPSK	2593	40620	5	12	0	22.20
QPSK	2593	40620	5	12	7	22.23
QPSK	2593	40620	5	12	13	22.19
QPSK	2593	40620	5	25	0	22.28
QPSK	2687.5	41565	5	1	0	23.00
QPSK	2687.5	41565	5	1	12	23.39
QPSK	2687.5	41565	5	1	24	23.36
QPSK	2687.5	41565	5	12	0	22.01
QPSK	2687.5	41565	5	12	7	22.17
QPSK	2687.5	41565	5	12	13	22.14
QPSK	2687.5	41565	5	25	0	22.11

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2498.5	39675	5	1	0	22.57
16QAM	2498.5	39675	5	1	12	22.64
16QAM	2498.5	39675	5	1	24	22.30
16QAM	2498.5	39675	5	12	0	21.16
16QAM	2498.5	39675	5	12	7	21.11
16QAM	2498.5	39675	5	12	13	21.07
16QAM	2498.5	39675	5	25	0	21.03
16QAM	2593	40620	5	1	0	22.62
16QAM	2593	40620	5	1	12	22.62
16QAM	2593	40620	5	1	24	22.49
16QAM	2593	40620	5	12	0	21.28
16QAM	2593	40620	5	12	7	21.22
16QAM	2593	40620	5	12	13	21.20
16QAM	2593	40620	5	25	0	21.32
16QAM	2687.5	41565	5	1	0	22.26
16QAM	2687.5	41565	5	1	12	22.33
16QAM	2687.5	41565	5	1	24	22.09
16QAM	2687.5	41565	5	12	0	21.21
16QAM	2687.5	41565	5	12	7	21.30
16QAM	2687.5	41565	5	12	13	21.12
16QAM	2687.5	41565	5	25	0	21.21
64QAM	2498.5	39675	5	1	0	22.36
64QAM	2498.5	39675	5	1	12	22.37
64QAM	2498.5	39675	5	1	24	22.29
64QAM	2498.5	39675	5	12	0	21.06
64QAM	2498.5	39675	5	12	7	21.07
64QAM	2498.5	39675	5	12	13	20.98
64QAM	2498.5	39675	5	25	0	21.01
64QAM	2593	40620	5	1	0	22.22
64QAM	2593	40620	5	1	12	22.35
64QAM	2593	40620	5	1	24	22.36
64QAM	2593	40620	5	12	0	21.17
64QAM	2593	40620	5	12	7	21.17
64QAM	2593	40620	5	12	13	21.46
64QAM	2593	40620	5	25	0	21.16
64QAM	2687.5	41565	5	1	0	22.48
64QAM	2687.5	41565	5	1	12	21.94
64QAM	2687.5	41565	5	1	24	22.22
64QAM	2687.5	41565	5	12	0	21.27
64QAM	2687.5	41565	5	12	7	21.33
64QAM	2687.5	41565	5	12	13	21.15
64QAM	2687.5	41565	5	25	0	21.12

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2501	39700	10	1	0	23.13
QPSK	2501	39700	10	1	25	23.19
QPSK	2501	39700	10	1	49	23.08
QPSK	2501	39700	10	25	0	21.85
QPSK	2501	39700	10	25	12	21.98
QPSK	2501	39700	10	25	25	21.97
QPSK	2501	39700	10	50	0	22.09
QPSK	2593	40620	10	1	0	23.42
QPSK	2593	40620	10	1	25	23.19
QPSK	2593	40620	10	1	49	23.19
QPSK	2593	40620	10	25	0	22.22
QPSK	2593	40620	10	25	12	22.26
QPSK	2593	40620	10	25	25	21.85
QPSK	2593	40620	10	50	0	22.26
QPSK	2685	41540	10	1	0	23.06
QPSK	2685	41540	10	1	25	23.38
QPSK	2685	41540	10	1	49	23.06
QPSK	2685	41540	10	25	0	22.00
QPSK	2685	41540	10	25	12	22.06
QPSK	2685	41540	10	25	25	22.10
QPSK	2685	41540	10	50	0	22.08

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2501	39700	10	1	0	22.77
16QAM	2501	39700	10	1	25	22.16
16QAM	2501	39700	10	1	49	22.14
16QAM	2501	39700	10	25	0	20.96
16QAM	2501	39700	10	25	12	20.95
16QAM	2501	39700	10	25	25	21.01
16QAM	2501	39700	10	50	0	21.00
16QAM	2593	40620	10	1	0	22.56
16QAM	2593	40620	10	1	25	22.53
16QAM	2593	40620	10	1	49	22.42
16QAM	2593	40620	10	25	0	21.29
16QAM	2593	40620	10	25	12	21.29
16QAM	2593	40620	10	25	25	21.26
16QAM	2593	40620	10	50	0	21.27
16QAM	2685	41540	10	1	0	22.59
16QAM	2685	41540	10	1	25	22.29
16QAM	2685	41540	10	1	49	22.69
16QAM	2685	41540	10	25	0	21.16
16QAM	2685	41540	10	25	12	21.14
16QAM	2685	41540	10	25	25	21.13
16QAM	2685	41540	10	50	0	21.05
64QAM	2501	39700	10	1	0	22.20
64QAM	2501	39700	10	1	25	22.25
64QAM	2501	39700	10	1	49	22.02
64QAM	2501	39700	10	25	0	20.95
64QAM	2501	39700	10	25	12	21.06
64QAM	2501	39700	10	25	25	20.96
64QAM	2501	39700	10	50	0	21.05
64QAM	2593	40620	10	1	0	22.58
64QAM	2593	40620	10	1	25	22.27
64QAM	2593	40620	10	1	49	22.10
64QAM	2593	40620	10	25	0	21.32
64QAM	2593	40620	10	25	12	21.22
64QAM	2593	40620	10	25	25	21.21
64QAM	2593	40620	10	50	0	21.35
64QAM	2685	41540	10	1	0	22.49
64QAM	2685	41540	10	1	25	22.41
64QAM	2685	41540	10	1	49	22.34
64QAM	2685	41540	10	25	0	21.07
64QAM	2685	41540	10	25	12	21.19
64QAM	2685	41540	10	25	25	21.12
64QAM	2685	41540	10	50	0	21.21

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2503.5	39725	15	1	0	22.72
QPSK	2503.5	39725	15	1	37	23.31
QPSK	2503.5	39725	15	1	74	23.27
QPSK	2503.5	39725	15	36	0	21.83
QPSK	2503.5	39725	15	36	29	21.76
QPSK	2503.5	39725	15	36	30	21.76
QPSK	2503.5	39725	15	75	0	21.84
QPSK	2593	40620	15	1	0	23.89
QPSK	2593	40620	15	1	37	23.78
QPSK	2593	40620	15	1	74	23.66
QPSK	2593	40620	15	36	0	22.25
QPSK	2593	40620	15	36	29	22.05
QPSK	2593	40620	15	36	30	22.24
QPSK	2593	40620	15	75	0	22.10
QPSK	2682.5	41515	15	1	0	22.66
QPSK	2682.5	41515	15	1	37	23.47
QPSK	2682.5	41515	15	1	74	22.78
QPSK	2682.5	41515	15	36	0	21.91
QPSK	2682.5	41515	15	36	29	21.94
QPSK	2682.5	41515	15	36	30	22.00
QPSK	2682.5	41515	15	75	0	21.94

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2503.5	39725	15	1	0	22.32
16QAM	2503.5	39725	15	1	37	22.36
16QAM	2503.5	39725	15	1	74	21.96
16QAM	2503.5	39725	15	36	0	20.84
16QAM	2503.5	39725	15	36	29	20.84
16QAM	2503.5	39725	15	36	30	20.87
16QAM	2503.5	39725	15	75	0	20.97
16QAM	2593	40620	15	1	0	22.62
16QAM	2593	40620	15	1	37	22.35
16QAM	2593	40620	15	1	74	22.41
16QAM	2593	40620	15	36	0	21.08
16QAM	2593	40620	15	36	29	21.06
16QAM	2593	40620	15	36	30	21.20
16QAM	2593	40620	15	75	0	21.13
16QAM	2682.5	41515	15	1	0	22.57
16QAM	2682.5	41515	15	1	37	22.06
16QAM	2682.5	41515	15	1	74	22.52
16QAM	2682.5	41515	15	36	0	20.97
16QAM	2682.5	41515	15	36	29	21.04
16QAM	2682.5	41515	15	36	30	21.04
16QAM	2682.5	41515	15	75	0	20.96
64QAM	2503.5	39725	15	1	0	21.83
64QAM	2503.5	39725	15	1	37	21.79
64QAM	2503.5	39725	15	1	74	22.14
64QAM	2503.5	39725	15	36	0	20.81
64QAM	2503.5	39725	15	36	29	20.84
64QAM	2503.5	39725	15	36	30	20.86
64QAM	2503.5	39725	15	75	0	20.91
64QAM	2593	40620	15	1	0	22.29
64QAM	2593	40620	15	1	37	22.45
64QAM	2593	40620	15	1	74	22.36
64QAM	2593	40620	15	36	0	21.17
64QAM	2593	40620	15	36	29	21.07
64QAM	2593	40620	15	36	30	21.16
64QAM	2593	40620	15	75	0	21.17
64QAM	2682.5	41515	15	1	0	21.69
64QAM	2682.5	41515	15	1	37	22.32
64QAM	2682.5	41515	15	1	74	21.95
64QAM	2682.5	41515	15	36	0	20.91
64QAM	2682.5	41515	15	36	29	20.97
64QAM	2682.5	41515	15	36	30	20.89
64QAM	2682.5	41515	15	75	0	20.93

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2506	39750	20	1	0	23.46
QPSK	2506	39750	20	1	49	23.39
QPSK	2506	39750	20	1	99	23.35
QPSK	2506	39750	20	50	0	21.82
QPSK	2506	39750	20	50	24	21.87
QPSK	2506	39750	20	50	50	21.87
QPSK	2506	39750	20	100	0	21.92
QPSK	2593	40620	20	1	0	23.86
QPSK	2593	40620	20	1	49	23.66
QPSK	2593	40620	20	1	99	23.51
QPSK	2593	40620	20	50	0	22.18
QPSK	2593	40620	20	50	24	22.15
QPSK	2593	40620	20	50	50	22.13
QPSK	2593	40620	20	100	0	22.12
QPSK	2680	41490	20	1	0	23.36
QPSK	2680	41490	20	1	49	22.80
QPSK	2680	41490	20	1	99	22.72
QPSK	2680	41490	20	50	0	21.97
QPSK	2680	41490	20	50	24	21.98
QPSK	2680	41490	20	50	50	22.00
QPSK	2680	41490	20	100	0	21.96

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2506	39750	20	1	0	22.09
16QAM	2506	39750	20	1	49	22.16
16QAM	2506	39750	20	1	99	22.42
16QAM	2506	39750	20	50	0	20.92
16QAM	2506	39750	20	50	24	20.92
16QAM	2506	39750	20	50	50	20.94
16QAM	2506	39750	20	100	0	20.95
16QAM	2593	40620	20	1	0	22.69
16QAM	2593	40620	20	1	49	22.94
16QAM	2593	40620	20	1	99	22.12
16QAM	2593	40620	20	50	0	21.19
16QAM	2593	40620	20	50	24	21.09
16QAM	2593	40620	20	50	50	21.25
16QAM	2593	40620	20	100	0	21.21
16QAM	2680	41490	20	1	0	21.89
16QAM	2680	41490	20	1	49	21.61
16QAM	2680	41490	20	1	99	22.66
16QAM	2680	41490	20	50	0	20.83
16QAM	2680	41490	20	50	24	21.06
16QAM	2680	41490	20	50	50	21.08
16QAM	2680	41490	20	100	0	20.96
64QAM	2506	39750	20	1	0	21.96
64QAM	2506	39750	20	1	49	22.47
64QAM	2506	39750	20	1	99	21.72
64QAM	2506	39750	20	50	0	20.87
64QAM	2506	39750	20	50	24	20.92
64QAM	2506	39750	20	50	50	20.93
64QAM	2506	39750	20	100	0	20.90
64QAM	2593	40620	20	1	0	22.55
64QAM	2593	40620	20	1	49	22.18
64QAM	2593	40620	20	1	99	21.97
64QAM	2593	40620	20	50	0	21.17
64QAM	2593	40620	20	50	24	21.23
64QAM	2593	40620	20	50	50	21.05
64QAM	2593	40620	20	100	0	21.24
64QAM	2680	41490	20	1	0	21.83
64QAM	2680	41490	20	1	49	21.90
64QAM	2680	41490	20	1	99	22.33
64QAM	2680	41490	20	50	0	20.87
64QAM	2680	41490	20	50	24	20.96
64QAM	2680	41490	20	50	50	20.99
64QAM	2680	41490	20	100	0	21.07

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	4.463	Fig.1
41	QPSK	2593	40620	5	25	0	4.423	Fig.2
41	QPSK	2687.5	41565	5	25	0	4.414	Fig.3
41	QPSK	2501	39700	10	50	0	8.832	Fig.4
41	QPSK	2593	40620	10	50	0	8.877	Fig.5
41	QPSK	2685	41540	10	50	0	8.944	Fig.6
41	QPSK	2503.5	39725	15	75	0	13.424	Fig.7
41	QPSK	2593	40620	15	75	0	13.472	Fig.8
41	QPSK	2682.5	41515	15	75	0	13.283	Fig.9
41	QPSK	2506	39750	20	100	0	17.844	Fig.10
41	QPSK	2593	40620	20	100	0	17.933	Fig.11
41	QPSK	2680	41490	20	100	0	17.847	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	4.439	Fig.14
41	16QAM	2687.5	41565	5	25	0	4.475	Fig.15
41	16QAM	2501	39700	10	50	0	8.888	Fig.16
41	16QAM	2593	40620	10	50	0	8.947	Fig.17
41	16QAM	2685	41540	10	50	0	8.873	Fig.18
41	16QAM	2503.5	39725	15	75	0	13.383	Fig.19
41	16QAM	2593	40620	15	75	0	13.378	Fig.20
41	16QAM	2682.5	41515	15	75	0	13.315	Fig.21
41	16QAM	2506	39750	20	100	0	17.881	Fig.22
41	16QAM	2593	40620	20	100	0	17.733	Fig.23
41	16QAM	2680	41490	20	100	0	17.901	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	4.484	Fig.25
41	64QAM	2593	40620	5	25	0	4.397	Fig.26
41	64QAM	2687.5	41565	5	25	0	4.464	Fig.27
41	64QAM	2501	39700	10	50	0	8.933	Fig.28
41	64QAM	2593	40620	10	50	0	8.865	Fig.29
41	64QAM	2685	41540	10	50	0	8.897	Fig.30
41	64QAM	2503.5	39725	15	75	0	13.358	Fig.31
41	64QAM	2593	40620	15	75	0	13.411	Fig.32
41	64QAM	2682.5	41515	15	75	0	13.358	Fig.33
41	64QAM	2506	39750	20	100	0	17.862	Fig.34
41	64QAM	2593	40620	20	100	0	17.914	Fig.35
41	64QAM	2680	41490	20	100	0	17.811	Fig.36

Test Mode: QPSK

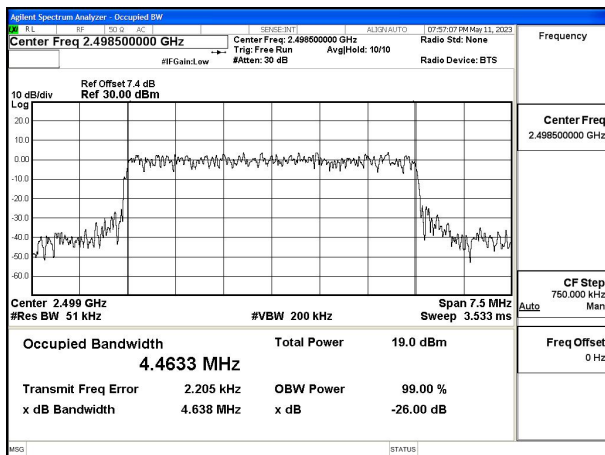


Fig.1

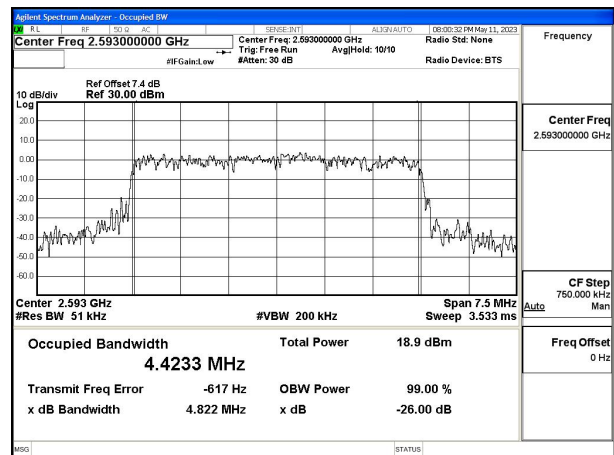


Fig.2

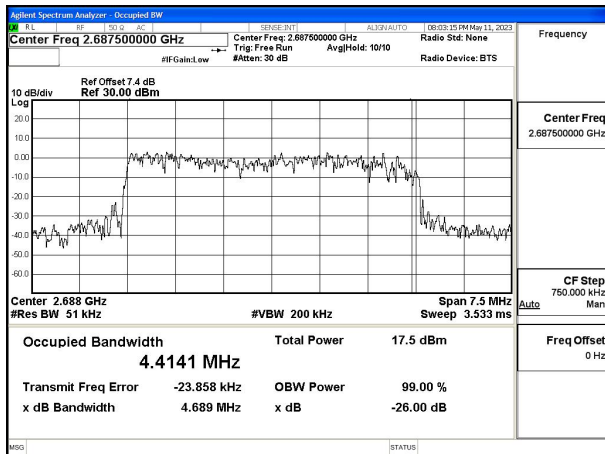


Fig.3

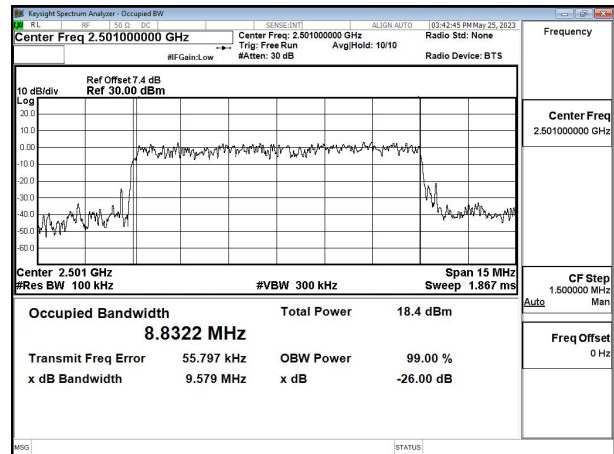


Fig.4

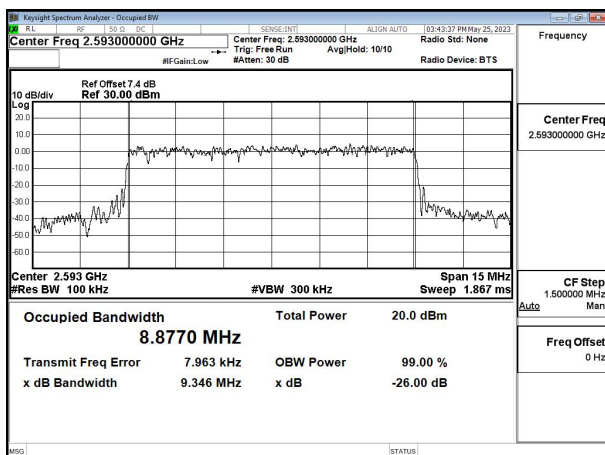


Fig.5

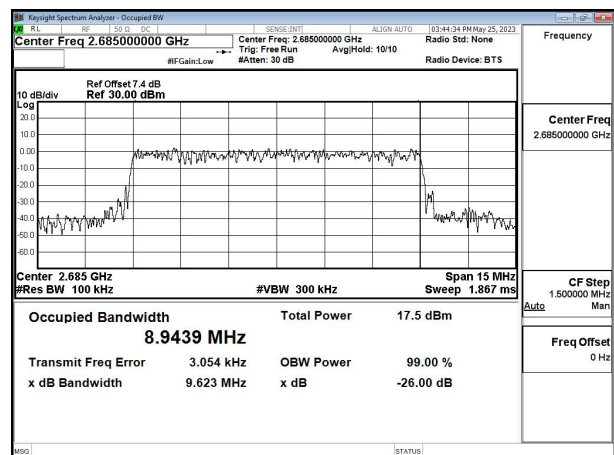


Fig.6

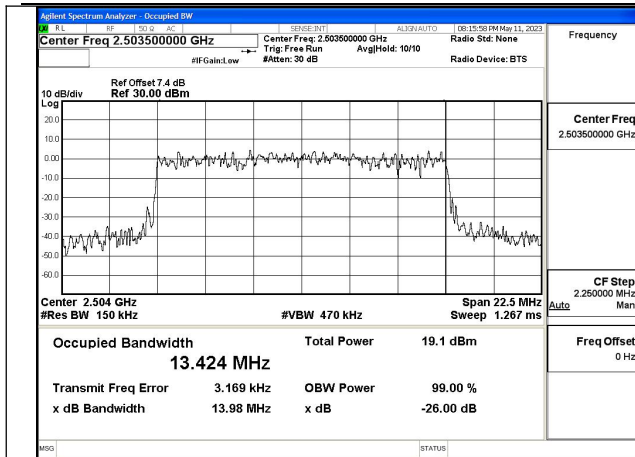


Fig.7

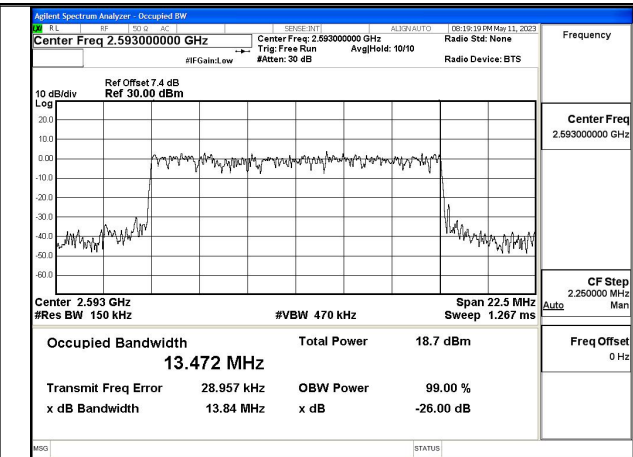


Fig.8

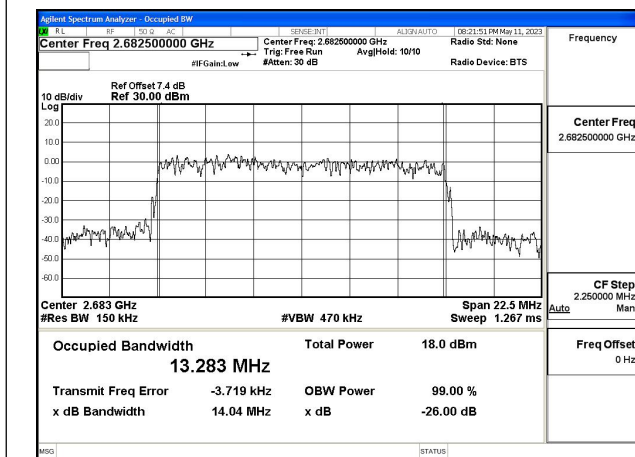


Fig.9

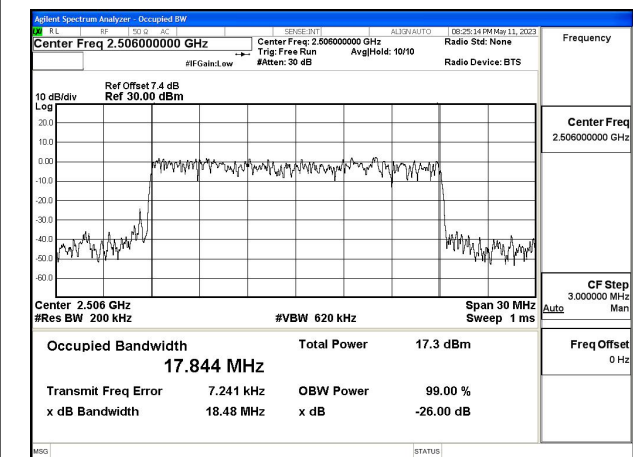


Fig.10

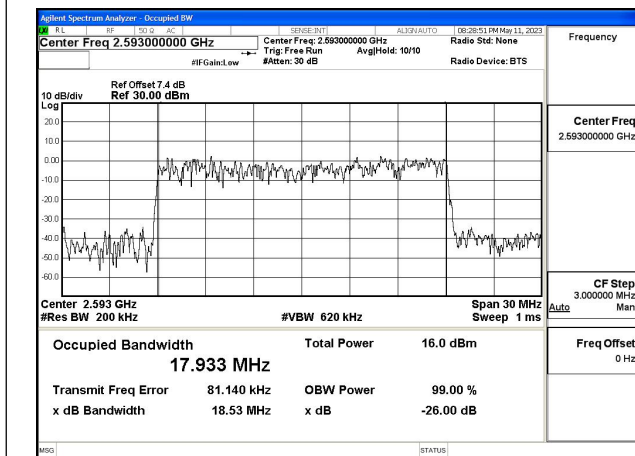


Fig.11

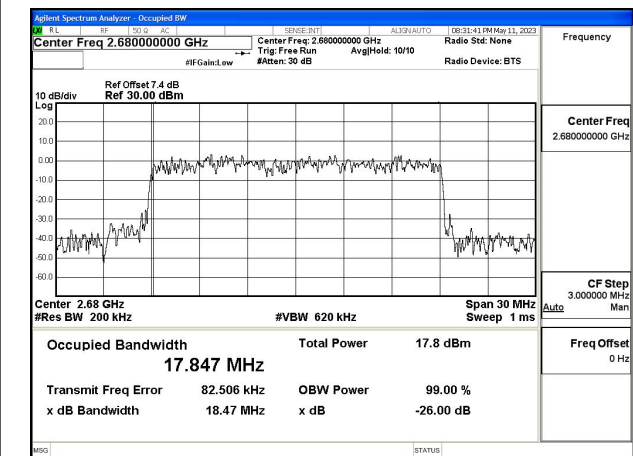


Fig.12

Test Mode: 16QAM

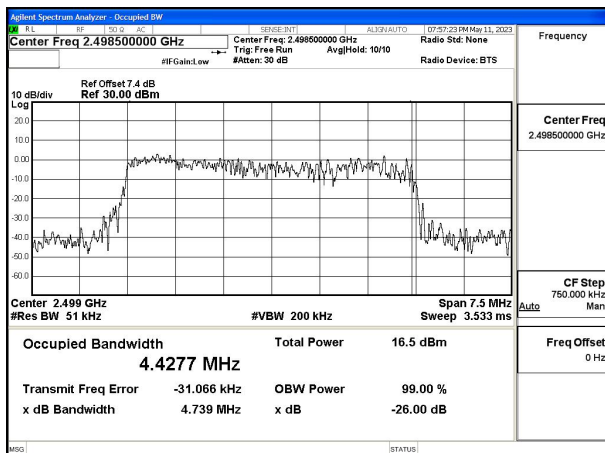


Fig.13

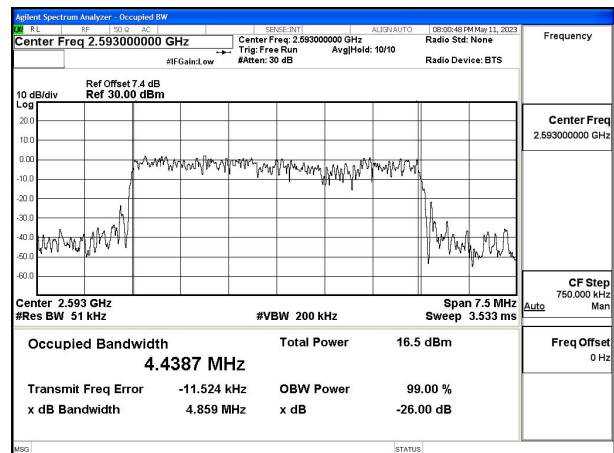


Fig.14

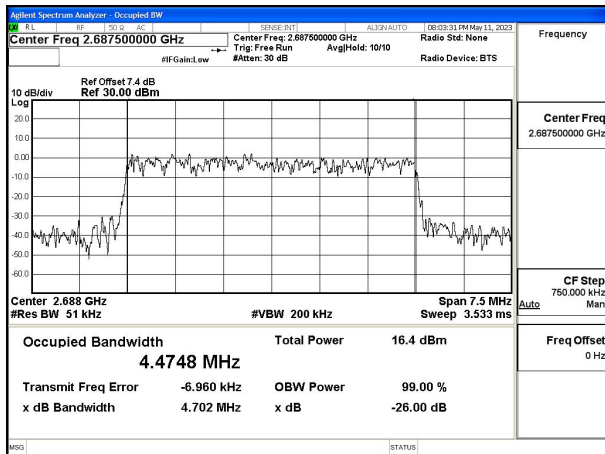


Fig.15

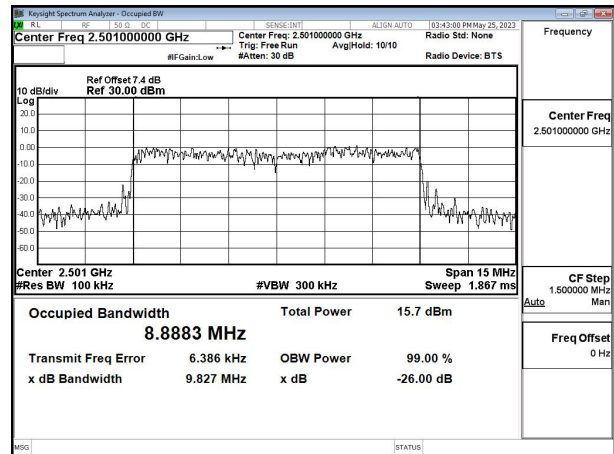


Fig.16

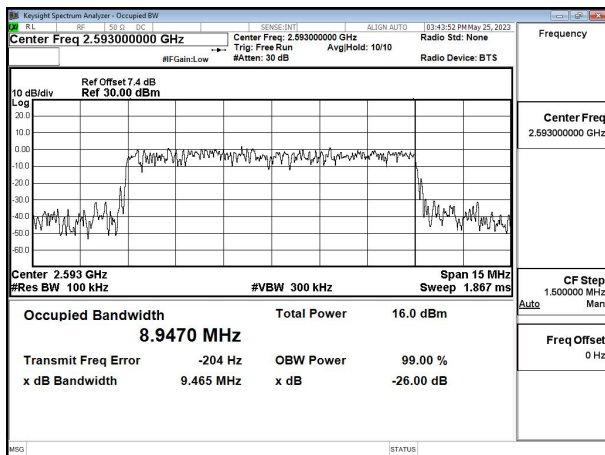


Fig.17

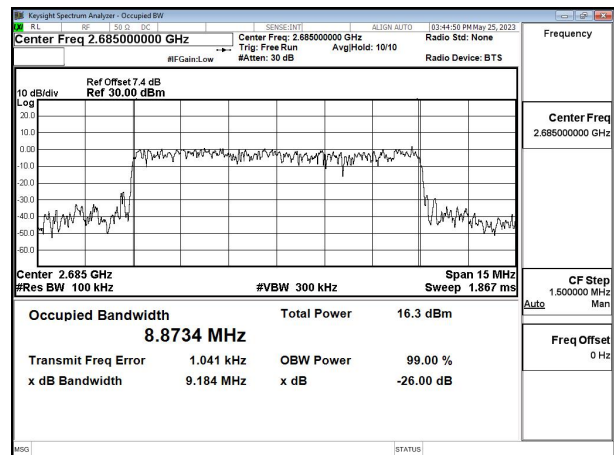


Fig.18

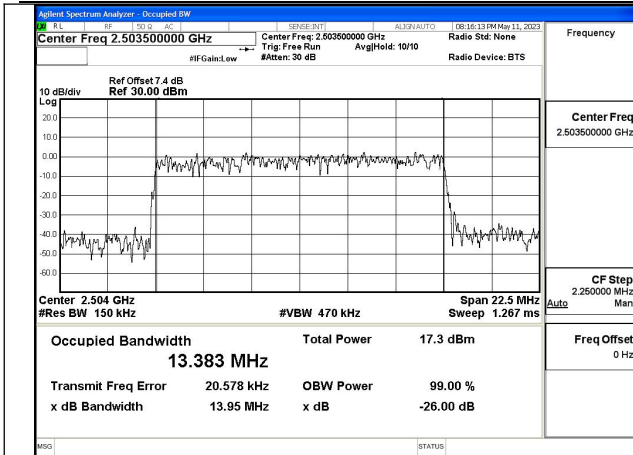


Fig.19

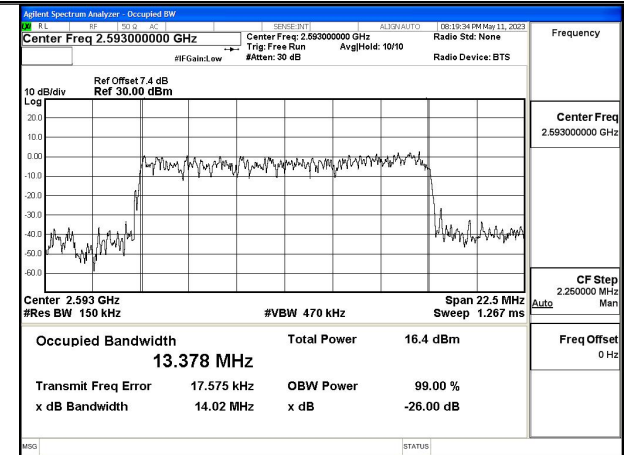


Fig.20

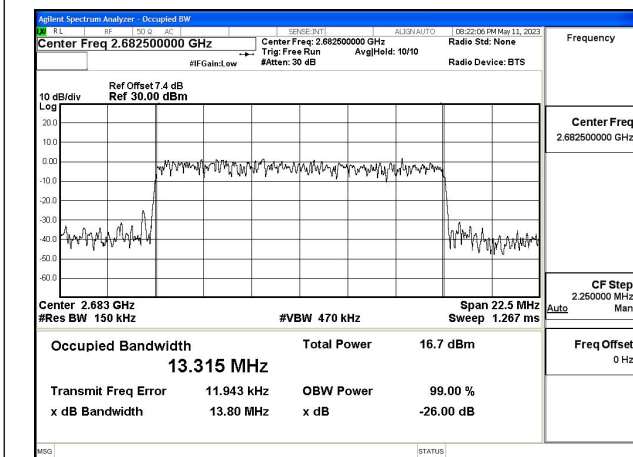


Fig.21

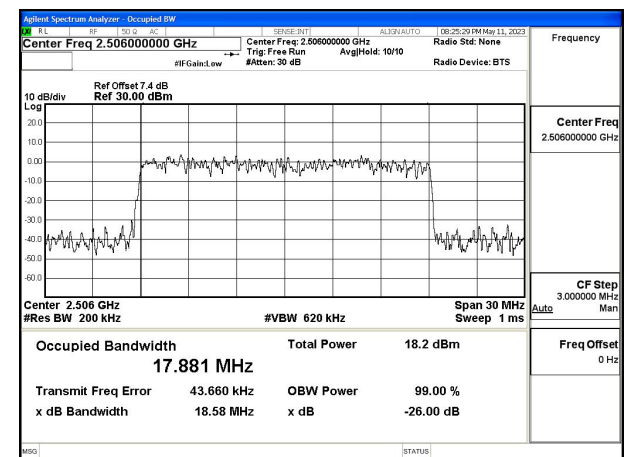


Fig.22

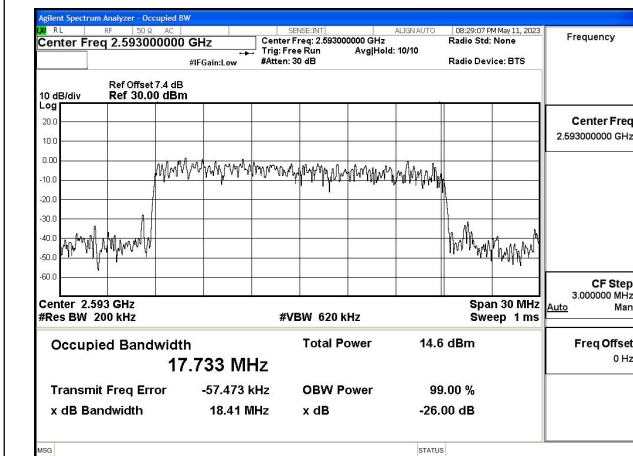


Fig.23

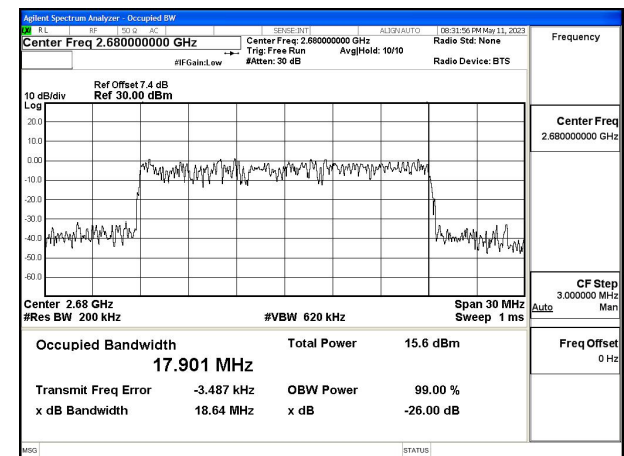


Fig.24

Test Mode: 64QAM

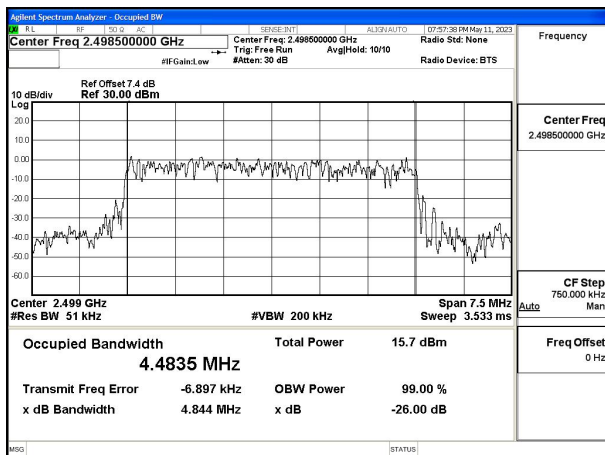


Fig.25

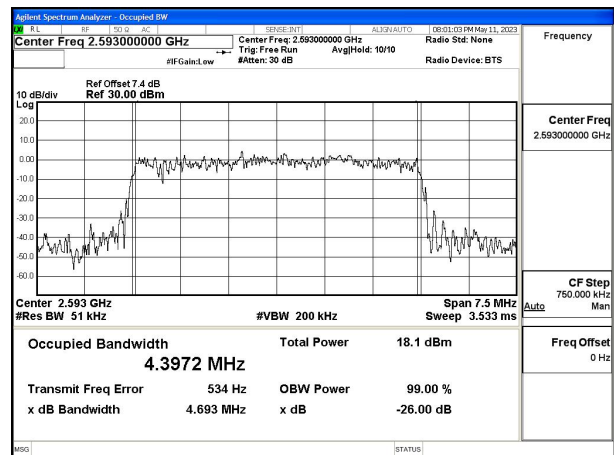


Fig.26

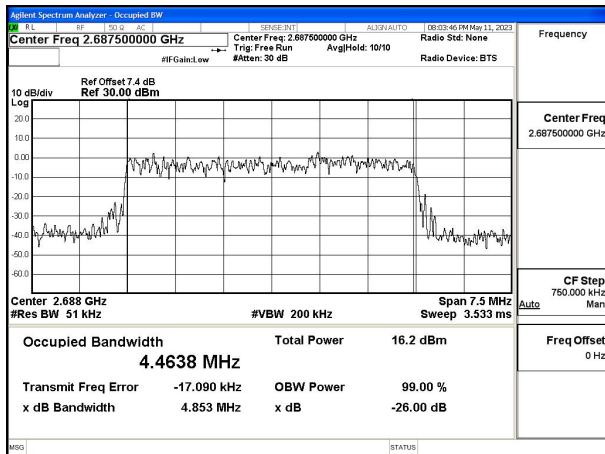


Fig.27

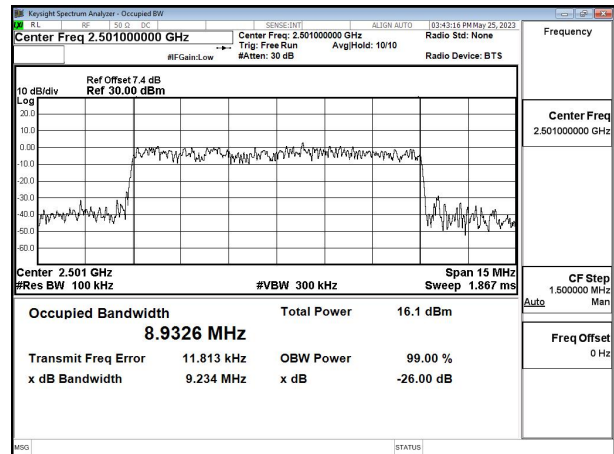


Fig.28

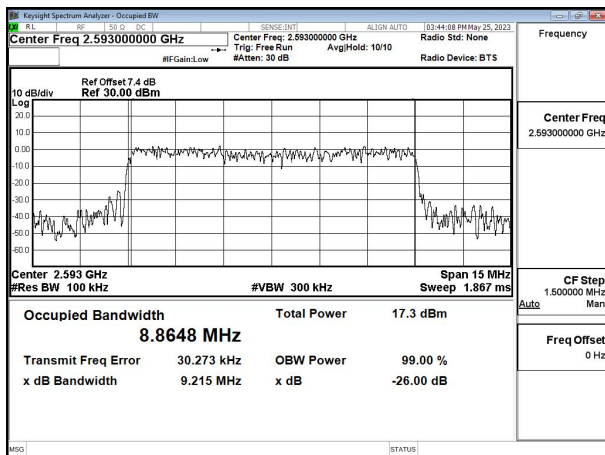


Fig.29

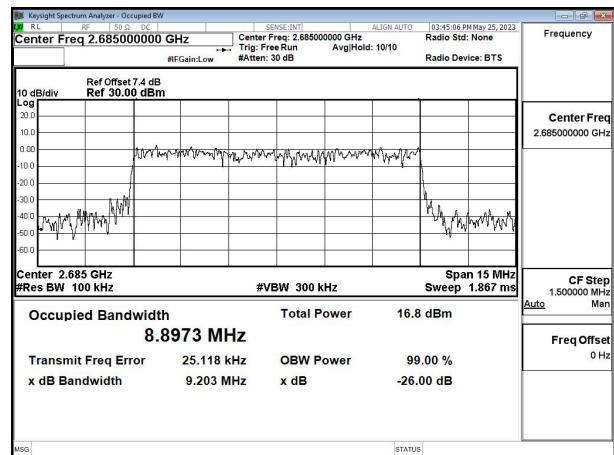


Fig.30

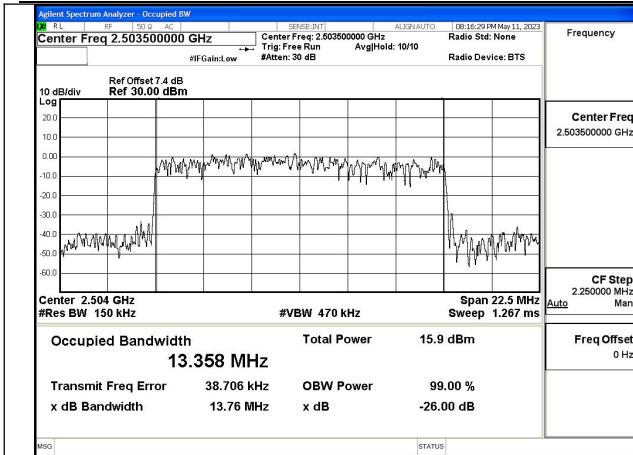


Fig.31

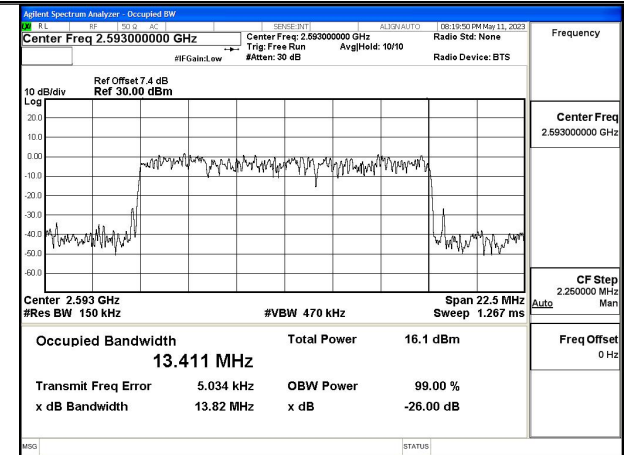


Fig.32

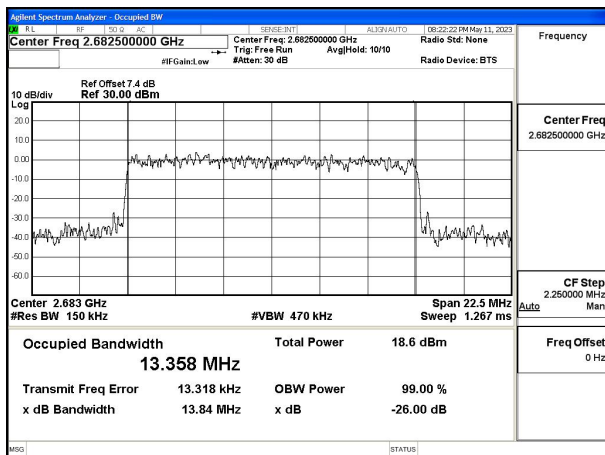


Fig.33

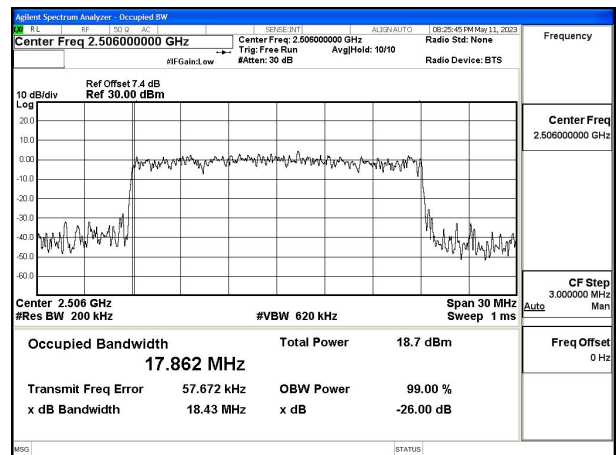


Fig.34

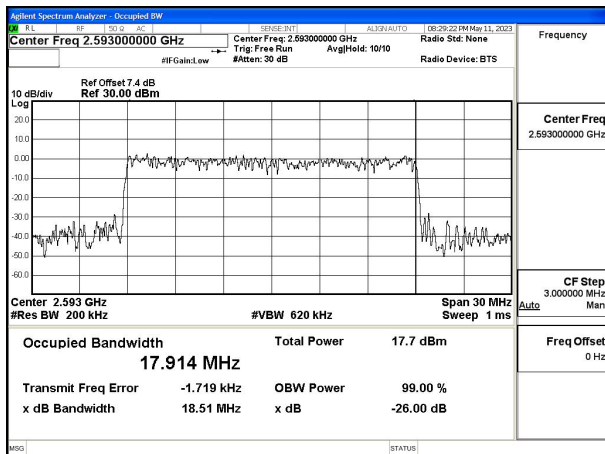


Fig.35

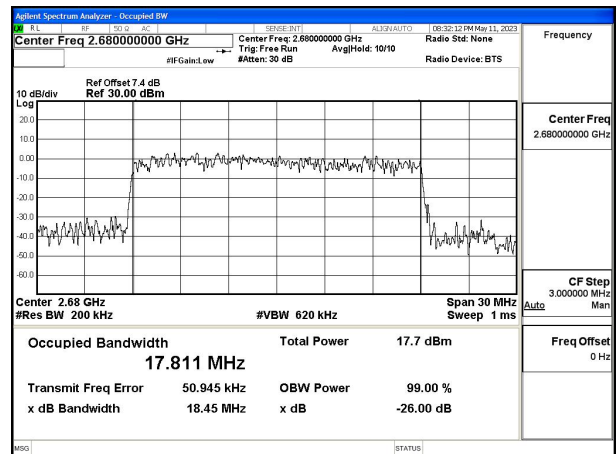


Fig.36

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	4.638	Fig.1
41	QPSK	2593	40620	5	25	0	4.822	Fig.2
41	QPSK	2687.5	41565	5	25	0	4.689	Fig.3
41	QPSK	2501	39700	10	50	0	9.579	Fig.4
41	QPSK	2593	40620	10	50	0	9.346	Fig.5
41	QPSK	2685	41540	10	50	0	9.623	Fig.6
41	QPSK	2503.5	39725	15	75	0	13.980	Fig.7
41	QPSK	2593	40620	15	75	0	13.845	Fig.8
41	QPSK	2682.5	41515	15	75	0	14.040	Fig.9
41	QPSK	2506	39750	20	100	0	18.482	Fig.10
41	QPSK	2593	40620	20	100	0	18.534	Fig.11
41	QPSK	2680	41490	20	100	0	18.470	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	4.739	Fig.13
41	16QAM	2593	40620	5	25	0	4.859	Fig.14
41	16QAM	2687.5	41565	5	25	0	4.702	Fig.15
41	16QAM	2501	39700	10	50	0	9.827	Fig.16
41	16QAM	2593	40620	10	50	0	9.465	Fig.17
41	16QAM	2685	41540	10	50	0	9.184	Fig.18
41	16QAM	2503.5	39725	15	75	0	13.948	Fig.19
41	16QAM	2593	40620	15	75	0	14.018	Fig.20
41	16QAM	2682.5	41515	15	75	0	13.804	Fig.21
41	16QAM	2506	39750	20	100	0	18.579	Fig.22
41	16QAM	2593	40620	20	100	0	18.412	Fig.23
41	16QAM	2680	41490	20	100	0	18.637	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	4.844	Fig.25
41	64QAM	2593	40620	5	25	0	4.693	Fig.26
41	64QAM	2687.5	41565	5	25	0	4.853	Fig.27
41	64QAM	2501	39700	10	50	0	9.234	Fig.28
41	64QAM	2593	40620	10	50	0	9.215	Fig.29
41	64QAM	2685	41540	10	50	0	9.203	Fig.30
41	64QAM	2503.5	39725	15	75	0	13.757	Fig.31
41	64QAM	2593	40620	15	75	0	13.824	Fig.32
41	64QAM	2682.5	41515	15	75	0	13.838	Fig.33
41	64QAM	2506	39750	20	100	0	18.435	Fig.34
41	64QAM	2593	40620	20	100	0	18.506	Fig.35
41	64QAM	2680	41490	20	100	0	18.454	Fig.36

Test Mode: QPSK

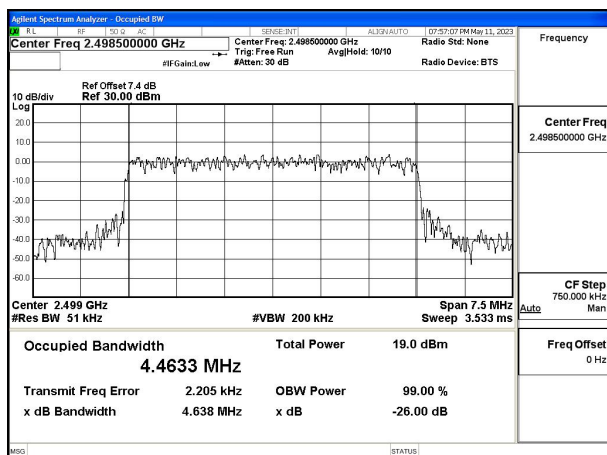


Fig.1

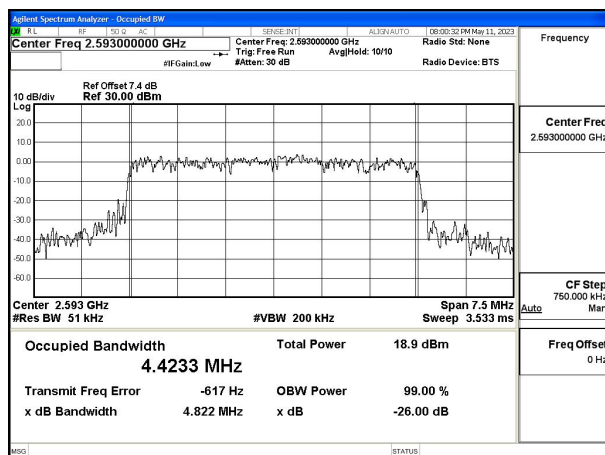


Fig.2

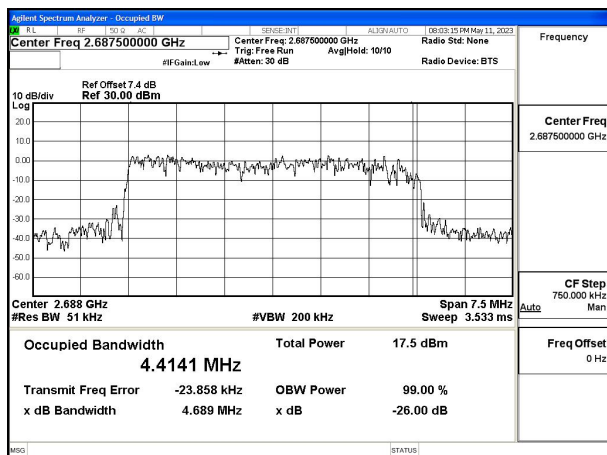


Fig.3

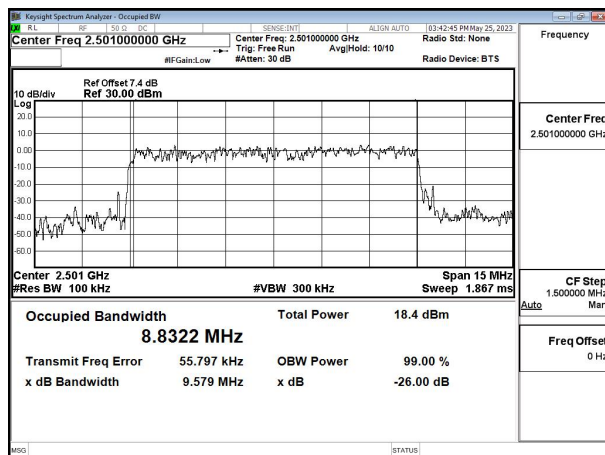


Fig.4

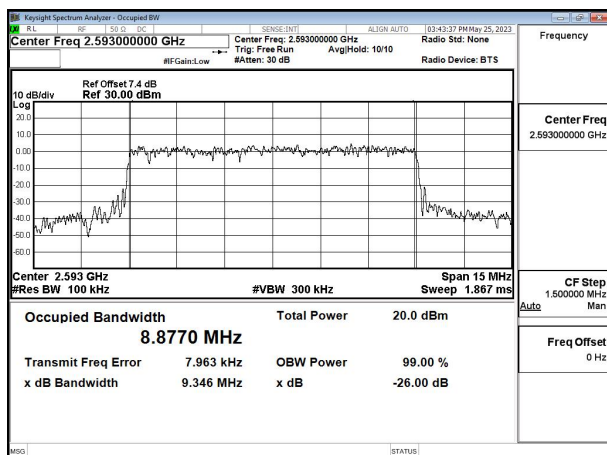


Fig.5

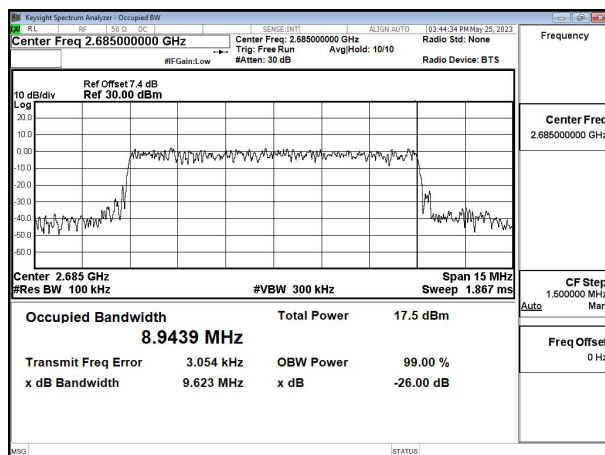


Fig.6