

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	22.38
QPSK	2498.5	39675	5	1	12	22.95
QPSK	2498.5	39675	5	1	24	22.86
QPSK	2498.5	39675	5	12	0	22.29
QPSK	2498.5	39675	5	12	7	22.05
QPSK	2498.5	39675	5	12	13	21.89
QPSK	2498.5	39675	5	25	0	21.98
QPSK	2593	40620	5	1	0	22.18
QPSK	2593	40620	5	1	12	22.70
QPSK	2593	40620	5	1	24	22.74
QPSK	2593	40620	5	12	0	22.29
QPSK	2593	40620	5	12	7	22.43
QPSK	2593	40620	5	12	13	22.60
QPSK	2593	40620	5	25	0	22.44
QPSK	2687.5	41565	5	1	0	22.52
QPSK	2687.5	41565	5	1	12	22.00
QPSK	2687.5	41565	5	1	24	22.50
QPSK	2687.5	41565	5	12	0	22.85
QPSK	2687.5	41565	5	12	7	22.09
QPSK	2687.5	41565	5	12	13	22.18
QPSK	2687.5	41565	5	25	0	22.04

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2498.5	39675	5	1	0	22.92
16QAM	2498.5	39675	5	1	12	22.41
16QAM	2498.5	39675	5	1	24	22.11
16QAM	2498.5	39675	5	12	0	21.22
16QAM	2498.5	39675	5	12	7	21.15
16QAM	2498.5	39675	5	12	13	20.95
16QAM	2498.5	39675	5	25	0	21.10
16QAM	2593	40620	5	1	0	22.55
16QAM	2593	40620	5	1	12	22.61
16QAM	2593	40620	5	1	24	22.20
16QAM	2593	40620	5	12	0	21.20
16QAM	2593	40620	5	12	7	21.34
16QAM	2593	40620	5	12	13	21.67
16QAM	2593	40620	5	25	0	21.47
16QAM	2687.5	41565	5	1	0	22.58
16QAM	2687.5	41565	5	1	12	22.76
16QAM	2687.5	41565	5	1	24	22.80
16QAM	2687.5	41565	5	12	0	21.84
16QAM	2687.5	41565	5	12	7	22.19
16QAM	2687.5	41565	5	12	13	22.24
16QAM	2687.5	41565	5	25	0	21.97
64QAM	2498.5	39675	5	1	0	22.69
64QAM	2498.5	39675	5	1	12	22.25
64QAM	2498.5	39675	5	1	24	21.79
64QAM	2498.5	39675	5	12	0	21.13
64QAM	2498.5	39675	5	12	7	20.96
64QAM	2498.5	39675	5	12	13	20.93
64QAM	2498.5	39675	5	25	0	21.00
64QAM	2593	40620	5	1	0	22.27
64QAM	2593	40620	5	1	12	22.45
64QAM	2593	40620	5	1	24	22.88
64QAM	2593	40620	5	12	0	21.37
64QAM	2593	40620	5	12	7	21.50
64QAM	2593	40620	5	12	13	21.64
64QAM	2593	40620	5	25	0	21.49
64QAM	2687.5	41565	5	1	0	22.49
64QAM	2687.5	41565	5	1	12	22.32
64QAM	2687.5	41565	5	1	24	22.32
64QAM	2687.5	41565	5	12	0	21.74
64QAM	2687.5	41565	5	12	7	22.17
64QAM	2687.5	41565	5	12	13	22.26
64QAM	2687.5	41565	5	25	0	21.94

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2501	39700	10	1	0	22.52
QPSK	2501	39700	10	1	25	22.02
QPSK	2501	39700	10	1	49	22.79
QPSK	2501	39700	10	25	0	21.99
QPSK	2501	39700	10	25	12	21.95
QPSK	2501	39700	10	25	25	22.20
QPSK	2501	39700	10	50	0	22.04
QPSK	2593	40620	10	1	0	22.53
QPSK	2593	40620	10	1	25	22.46
QPSK	2593	40620	10	1	49	22.56
QPSK	2593	40620	10	25	0	22.36
QPSK	2593	40620	10	25	12	22.50
QPSK	2593	40620	10	25	25	22.91
QPSK	2593	40620	10	50	0	22.71
QPSK	2685	41540	10	1	0	21.94
QPSK	2685	41540	10	1	25	22.68
QPSK	2685	41540	10	1	49	22.39
QPSK	2685	41540	10	25	0	21.66
QPSK	2685	41540	10	25	12	22.29
QPSK	2685	41540	10	25	25	22.99
QPSK	2685	41540	10	50	0	22.33

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2501	39700	10	1	0	22.63
16QAM	2501	39700	10	1	25	21.99
16QAM	2501	39700	10	1	49	22.30
16QAM	2501	39700	10	25	0	21.13
16QAM	2501	39700	10	25	12	21.10
16QAM	2501	39700	10	25	25	21.27
16QAM	2501	39700	10	50	0	21.06
16QAM	2593	40620	10	1	0	22.29
16QAM	2593	40620	10	1	25	22.07
16QAM	2593	40620	10	1	49	22.08
16QAM	2593	40620	10	25	0	21.39
16QAM	2593	40620	10	25	12	21.51
16QAM	2593	40620	10	25	25	22.00
16QAM	2593	40620	10	50	0	21.73
16QAM	2685	41540	10	1	0	21.15
16QAM	2685	41540	10	1	25	22.56
16QAM	2685	41540	10	1	49	22.70
16QAM	2685	41540	10	25	0	20.72
16QAM	2685	41540	10	25	12	21.32
16QAM	2685	41540	10	25	25	22.05
16QAM	2685	41540	10	50	0	21.32
64QAM	2501	39700	10	1	0	22.54
64QAM	2501	39700	10	1	25	21.79
64QAM	2501	39700	10	1	49	22.94
64QAM	2501	39700	10	25	0	21.11
64QAM	2501	39700	10	25	12	20.95
64QAM	2501	39700	10	25	25	21.33
64QAM	2501	39700	10	50	0	21.19
64QAM	2593	40620	10	1	0	22.11
64QAM	2593	40620	10	1	25	22.96
64QAM	2593	40620	10	1	49	22.96
64QAM	2593	40620	10	25	0	21.36
64QAM	2593	40620	10	25	12	21.54
64QAM	2593	40620	10	25	25	21.91
64QAM	2593	40620	10	50	0	21.70
64QAM	2685	41540	10	1	0	21.26
64QAM	2685	41540	10	1	25	22.39
64QAM	2685	41540	10	1	49	22.26
64QAM	2685	41540	10	25	0	20.72
64QAM	2685	41540	10	25	12	21.33
64QAM	2685	41540	10	25	25	22.04
64QAM	2685	41540	10	50	0	21.37

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2503.5	39725	15	1	0	22.03
QPSK	2503.5	39725	15	1	37	22.35
QPSK	2503.5	39725	15	1	74	22.31
QPSK	2503.5	39725	15	36	0	21.93
QPSK	2503.5	39725	15	36	29	22.53
QPSK	2503.5	39725	15	36	30	22.59
QPSK	2503.5	39725	15	75	0	22.44
QPSK	2593	40620	15	1	0	22.41
QPSK	2593	40620	15	1	37	22.59
QPSK	2593	40620	15	1	74	22.18
QPSK	2593	40620	15	36	0	22.53
QPSK	2593	40620	15	36	29	22.75
QPSK	2593	40620	15	36	30	22.81
QPSK	2593	40620	15	75	0	22.81
QPSK	2682.5	41515	15	1	0	22.31
QPSK	2682.5	41515	15	1	37	22.83
QPSK	2682.5	41515	15	1	74	22.07
QPSK	2682.5	41515	15	36	0	20.77
QPSK	2682.5	41515	15	36	29	22.02
QPSK	2682.5	41515	15	36	30	22.17
QPSK	2682.5	41515	15	75	0	21.76

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2503.5	39725	15	1	0	22.37
16QAM	2503.5	39725	15	1	37	22.28
16QAM	2503.5	39725	15	1	74	22.41
16QAM	2503.5	39725	15	36	0	20.91
16QAM	2503.5	39725	15	36	29	21.59
16QAM	2503.5	39725	15	36	30	21.64
16QAM	2503.5	39725	15	75	0	21.55
16QAM	2593	40620	15	1	0	22.49
16QAM	2593	40620	15	1	37	22.78
16QAM	2593	40620	15	1	74	22.21
16QAM	2593	40620	15	36	0	21.42
16QAM	2593	40620	15	36	29	21.74
16QAM	2593	40620	15	36	30	21.87
16QAM	2593	40620	15	75	0	21.83
16QAM	2682.5	41515	15	1	0	21.09
16QAM	2682.5	41515	15	1	37	21.68
16QAM	2682.5	41515	15	1	74	22.40
16QAM	2682.5	41515	15	36	0	19.80
16QAM	2682.5	41515	15	36	29	21.07
16QAM	2682.5	41515	15	36	30	21.08
16QAM	2682.5	41515	15	75	0	20.68
64QAM	2503.5	39725	15	1	0	22.29
64QAM	2503.5	39725	15	1	37	22.55
64QAM	2503.5	39725	15	1	74	22.67
64QAM	2503.5	39725	15	36	0	20.91
64QAM	2503.5	39725	15	36	29	21.69
64QAM	2503.5	39725	15	36	30	21.61
64QAM	2503.5	39725	15	75	0	21.43
64QAM	2593	40620	15	1	0	23.23
64QAM	2593	40620	15	1	37	21.94
64QAM	2593	40620	15	1	74	22.84
64QAM	2593	40620	15	36	0	21.50
64QAM	2593	40620	15	36	29	21.76
64QAM	2593	40620	15	36	30	21.85
64QAM	2593	40620	15	75	0	21.93
64QAM	2682.5	41515	15	1	0	20.96
64QAM	2682.5	41515	15	1	37	21.33
64QAM	2682.5	41515	15	1	74	22.37
64QAM	2682.5	41515	15	36	0	19.87
64QAM	2682.5	41515	15	36	29	21.04
64QAM	2682.5	41515	15	36	30	21.05
64QAM	2682.5	41515	15	75	0	20.68

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2506	39750	20	1	0	22.49
QPSK	2506	39750	20	1	49	22.10
QPSK	2506	39750	20	1	99	22.30
QPSK	2506	39750	20	50	0	22.12
QPSK	2506	39750	20	50	24	22.70
QPSK	2506	39750	20	50	50	22.77
QPSK	2506	39750	20	100	0	22.38
QPSK	2593	40620	20	1	0	22.88
QPSK	2593	40620	20	1	49	22.54
QPSK	2593	40620	20	1	99	22.37
QPSK	2593	40620	20	50	0	22.79
QPSK	2593	40620	20	50	24	22.53
QPSK	2593	40620	20	50	50	22.34
QPSK	2593	40620	20	100	0	22.00
QPSK	2680	41490	20	1	0	22.36
QPSK	2680	41490	20	1	49	22.12
QPSK	2680	41490	20	1	99	22.48
QPSK	2680	41490	20	50	0	21.24
QPSK	2680	41490	20	50	24	21.07
QPSK	2680	41490	20	50	50	22.14
QPSK	2680	41490	20	100	0	21.66

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2506	39750	20	1	0	22.28
16QAM	2506	39750	20	1	49	22.99
16QAM	2506	39750	20	1	99	22.11
16QAM	2506	39750	20	50	0	21.16
16QAM	2506	39750	20	50	24	21.75
16QAM	2506	39750	20	50	50	21.88
16QAM	2506	39750	20	100	0	21.47
16QAM	2593	40620	20	1	0	22.30
16QAM	2593	40620	20	1	49	22.03
16QAM	2593	40620	20	1	99	22.16
16QAM	2593	40620	20	50	0	21.74
16QAM	2593	40620	20	50	24	21.58
16QAM	2593	40620	20	50	50	22.34
16QAM	2593	40620	20	100	0	22.11
16QAM	2680	41490	20	1	0	22.72
16QAM	2680	41490	20	1	49	21.88
16QAM	2680	41490	20	1	99	22.70
16QAM	2680	41490	20	50	0	20.16
16QAM	2680	41490	20	50	24	20.14
16QAM	2680	41490	20	50	50	21.12
16QAM	2680	41490	20	100	0	20.55
64QAM	2506	39750	20	1	0	22.35
64QAM	2506	39750	20	1	49	22.61
64QAM	2506	39750	20	1	99	21.64
64QAM	2506	39750	20	50	0	21.11
64QAM	2506	39750	20	50	24	21.69
64QAM	2506	39750	20	50	50	21.78
64QAM	2506	39750	20	100	0	21.40
64QAM	2593	40620	20	1	0	22.13
64QAM	2593	40620	20	1	49	22.01
64QAM	2593	40620	20	1	99	22.23
64QAM	2593	40620	20	50	0	21.68
64QAM	2593	40620	20	50	24	21.56
64QAM	2593	40620	20	50	50	22.33
64QAM	2593	40620	20	100	0	22.12
64QAM	2680	41490	20	1	0	22.62
64QAM	2680	41490	20	1	49	21.06
64QAM	2680	41490	20	1	99	22.02
64QAM	2680	41490	20	50	0	20.23
64QAM	2680	41490	20	50	24	20.08
64QAM	2680	41490	20	50	50	20.99
64QAM	2680	41490	20	100	0	20.68

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	4.452	Fig.1
41	QPSK	2593	40620	5	25	0	4.457	Fig.2
41	QPSK	2687.5	41565	5	25	0	4.461	Fig.3
41	QPSK	2501	39700	10	50	0	8.985	Fig.4
41	QPSK	2593	40620	10	50	0	8.896	Fig.5
41	QPSK	2685	41540	10	50	0	8.889	Fig.6
41	QPSK	2503.5	39725	15	75	0	13.381	Fig.7
41	QPSK	2593	40620	15	75	0	13.341	Fig.8
41	QPSK	2682.5	41515	15	75	0	13.327	Fig.9
41	QPSK	2506	39750	20	100	0	17.808	Fig.10
41	QPSK	2593	40620	20	100	0	17.749	Fig.11
41	QPSK	2680	41490	20	100	0	17.828	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	4.439	Fig.13
41	16QAM	2593	40620	5	25	0	4.426	Fig.14
41	16QAM	2687.5	41565	5	25	0	4.447	Fig.15
41	16QAM	2501	39700	10	50	0	8.963	Fig.16
41	16QAM	2593	40620	10	50	0	8.894	Fig.17
41	16QAM	2685	41540	10	50	0	8.966	Fig.18
41	16QAM	2503.5	39725	15	75	0	13.238	Fig.19
41	16QAM	2593	40620	15	75	0	13.391	Fig.20
41	16QAM	2682.5	41515	15	75	0	13.323	Fig.21
41	16QAM	2506	39750	20	100	0	17.775	Fig.22
41	16QAM	2593	40620	20	100	0	17.653	Fig.23
41	16QAM	2680	41490	20	100	0	17.882	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	4.463	Fig.25
41	64QAM	2593	40620	5	25	0	4.459	Fig.26
41	64QAM	2687.5	41565	5	25	0	4.467	Fig.27
41	64QAM	2501	39700	10	50	0	8.972	Fig.28
41	64QAM	2593	40620	10	50	0	8.922	Fig.29
41	64QAM	2685	41540	10	50	0	8.868	Fig.30
41	64QAM	2503.5	39725	15	75	0	13.186	Fig.31
41	64QAM	2593	40620	15	75	0	13.393	Fig.32
41	64QAM	2682.5	41515	15	75	0	13.363	Fig.33
41	64QAM	2506	39750	20	100	0	17.836	Fig.34
41	64QAM	2593	40620	20	100	0	17.857	Fig.35
41	64QAM	2680	41490	20	100	0	17.975	Fig.36

Test Mode: QPSK

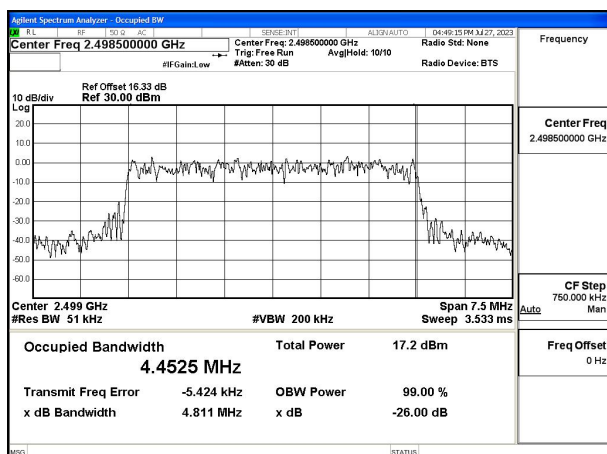


Fig.1

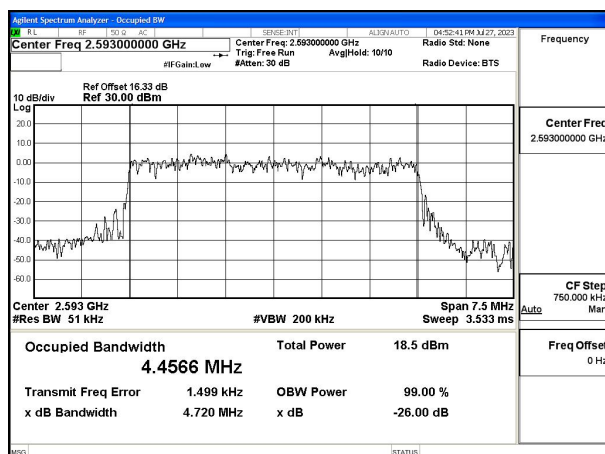


Fig.2

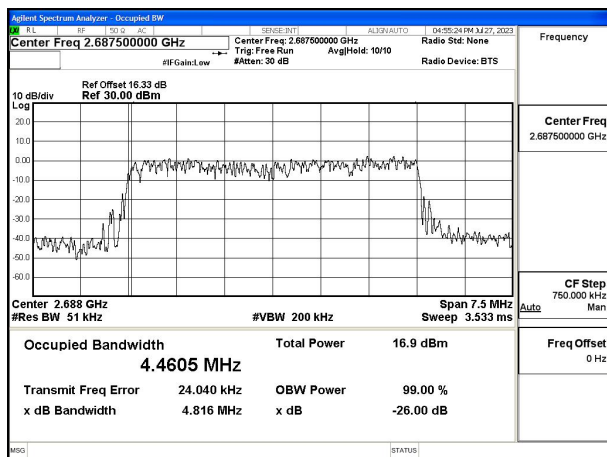


Fig.3

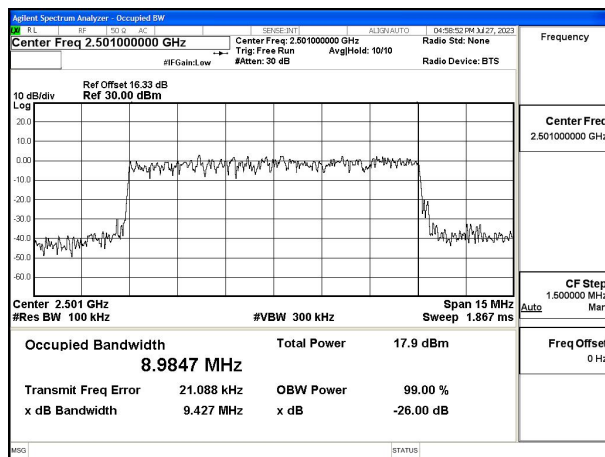


Fig.4

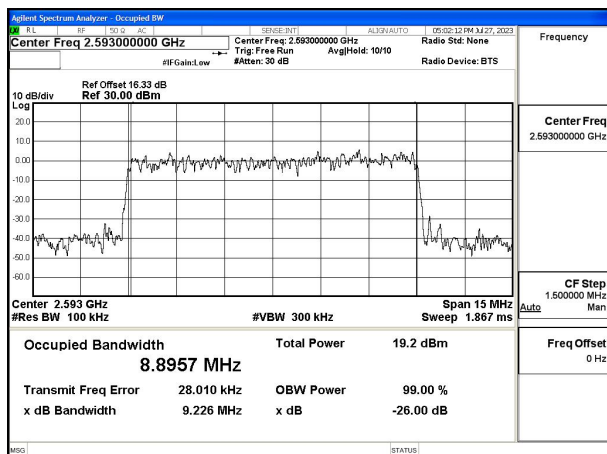


Fig.5

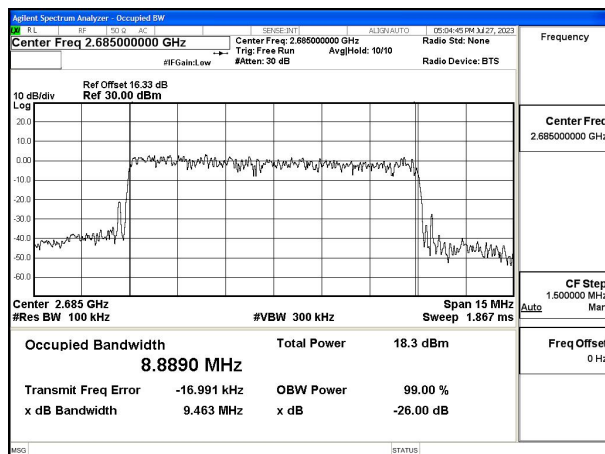


Fig.6

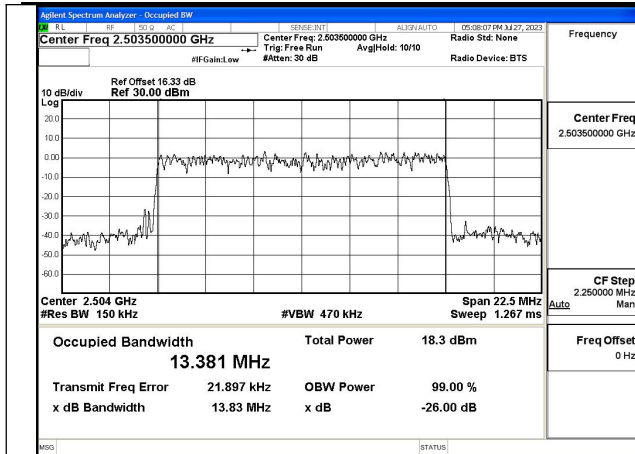


Fig.7

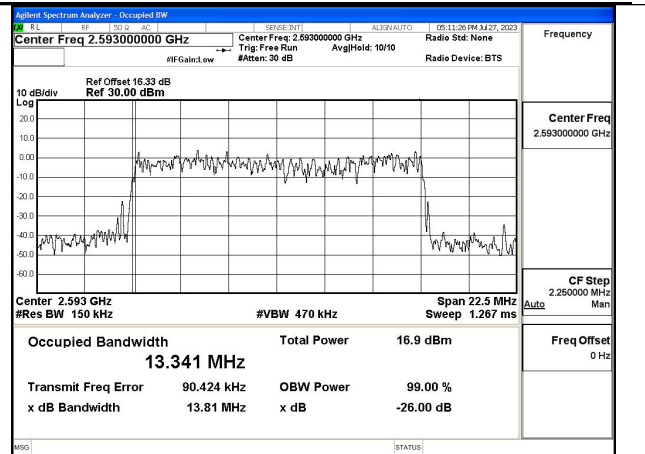


Fig.8

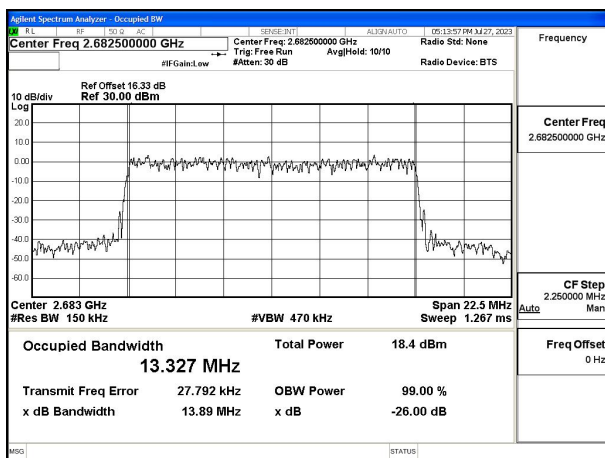


Fig.9

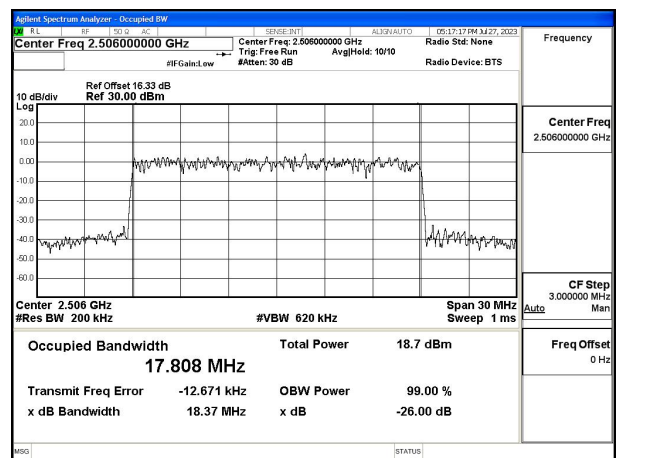


Fig.10

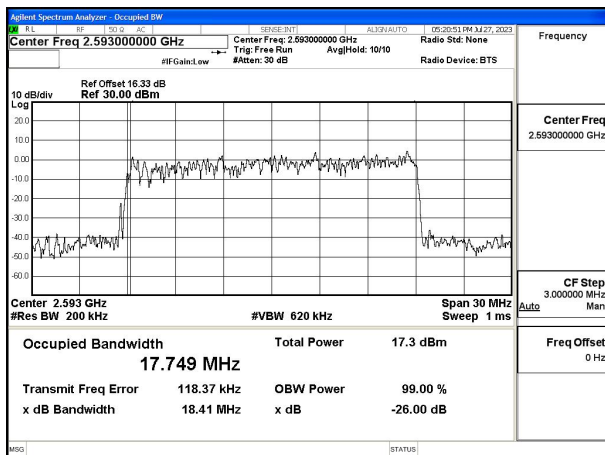


Fig.11

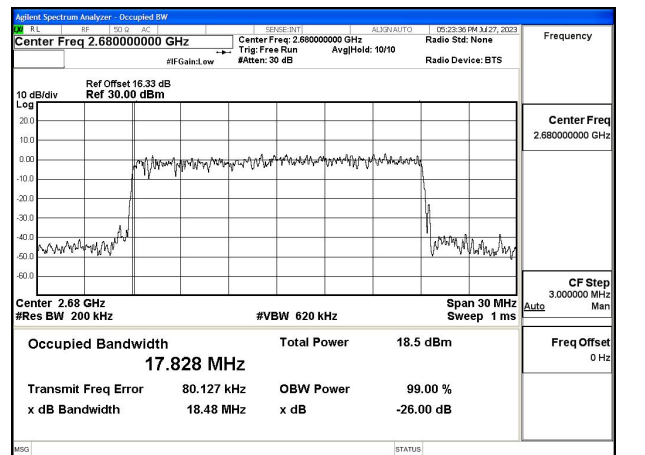


Fig.12

Test Mode: 16QAM

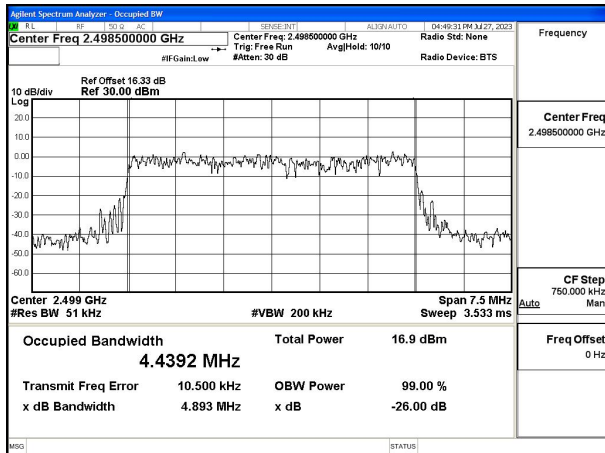


Fig.13

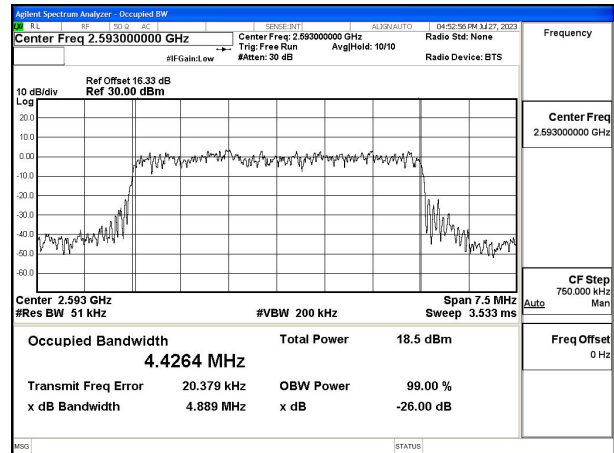


Fig.14

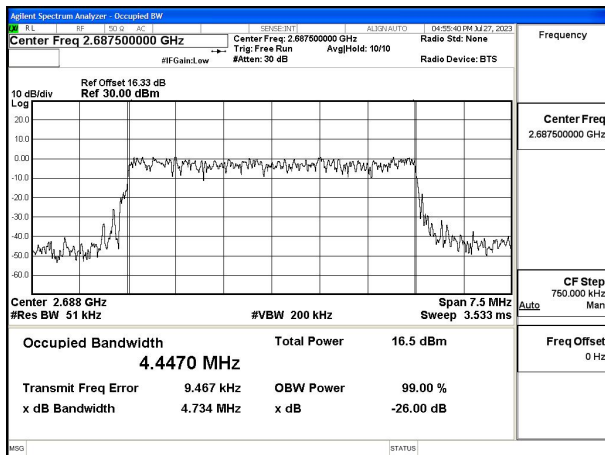


Fig.15

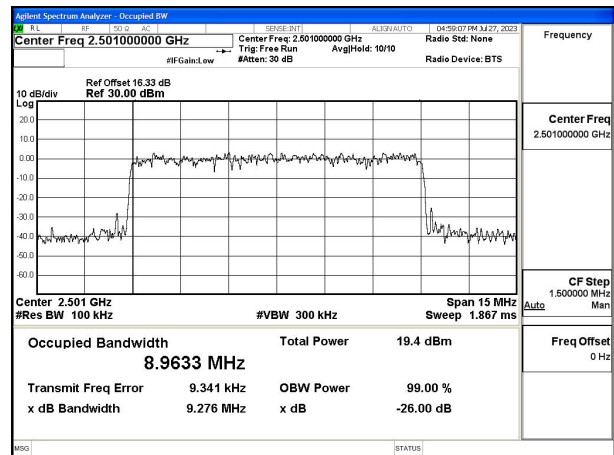


Fig.16

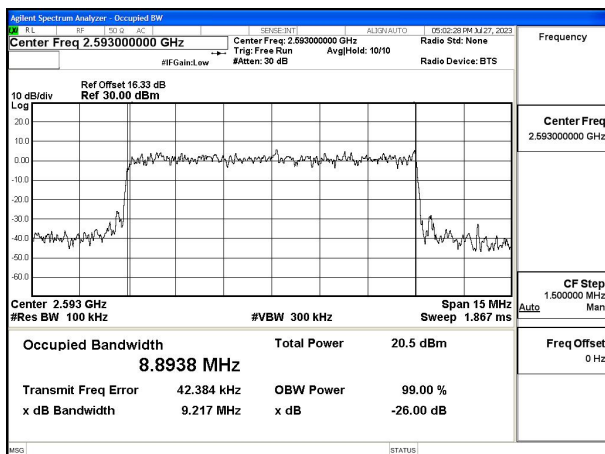


Fig.17

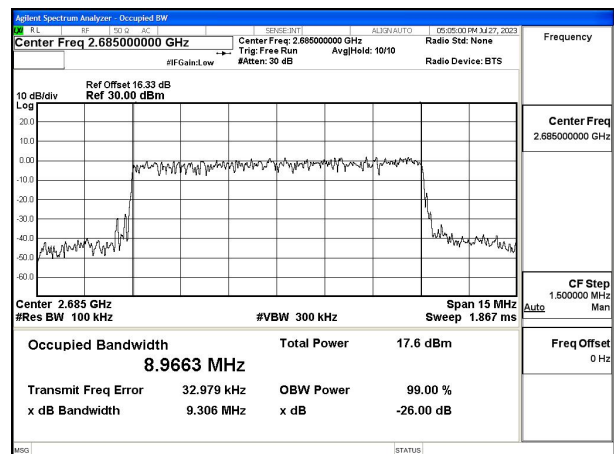


Fig.18

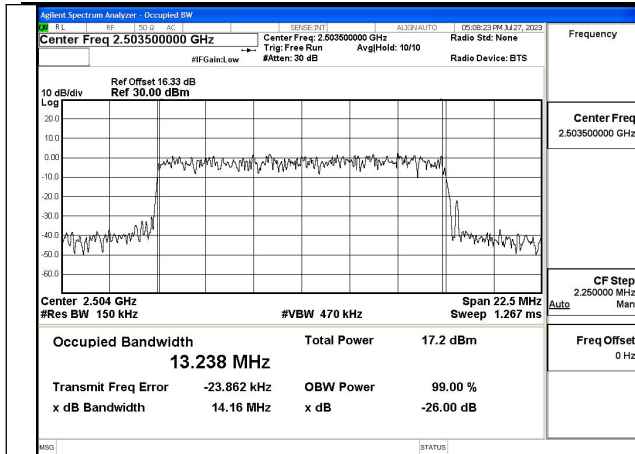


Fig.19

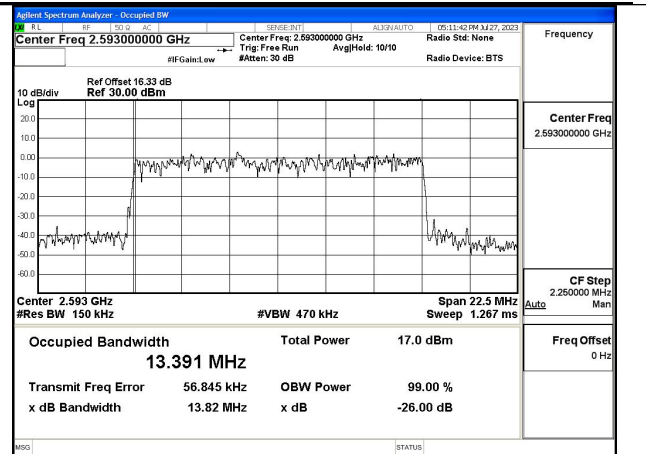


Fig.20

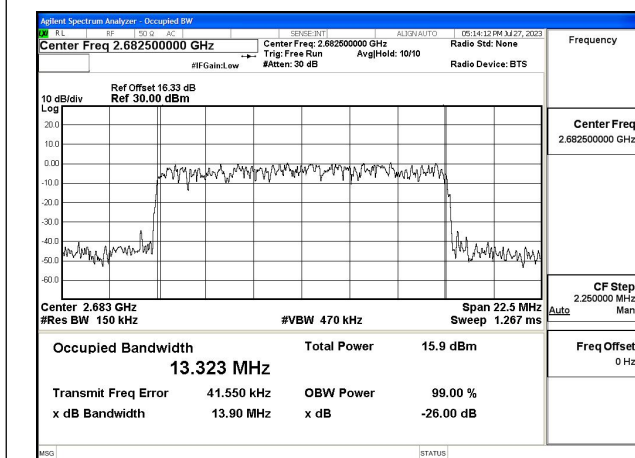


Fig.21

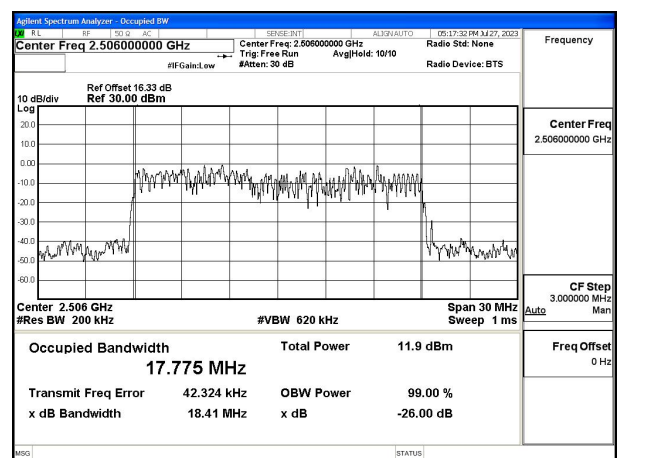


Fig.22

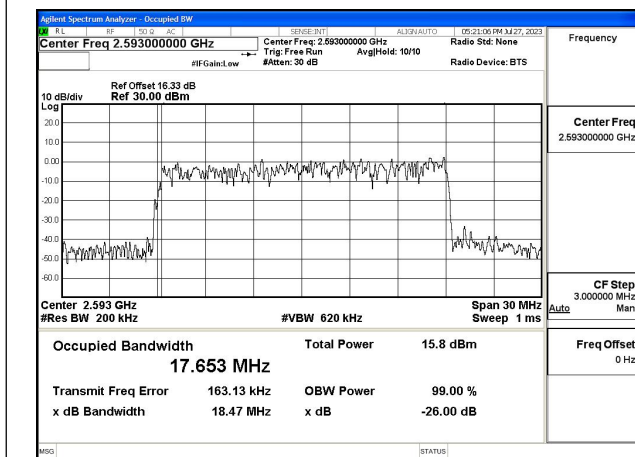


Fig.23

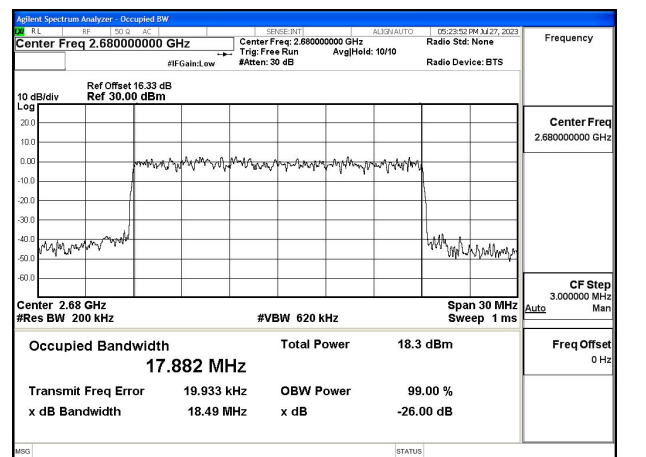


Fig.24

Test Mode: 64QAM

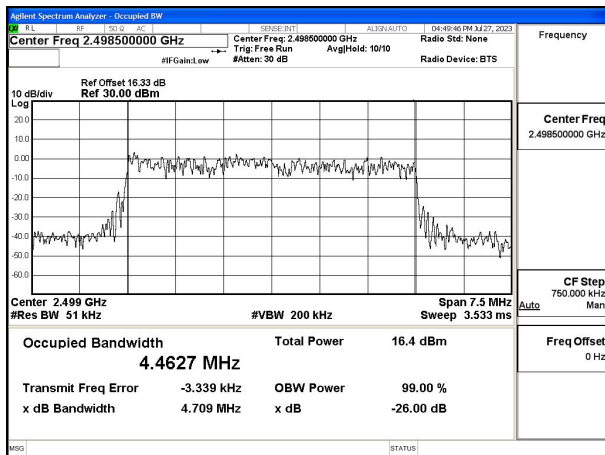


Fig.25

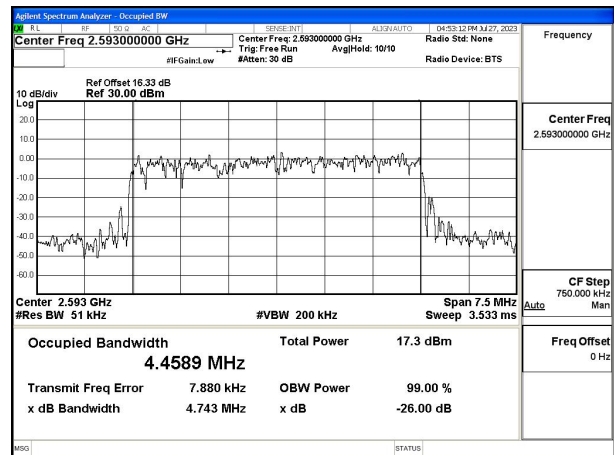


Fig.26

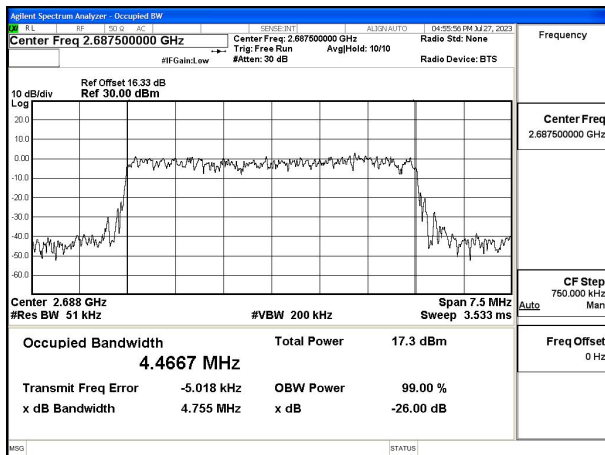


Fig.27

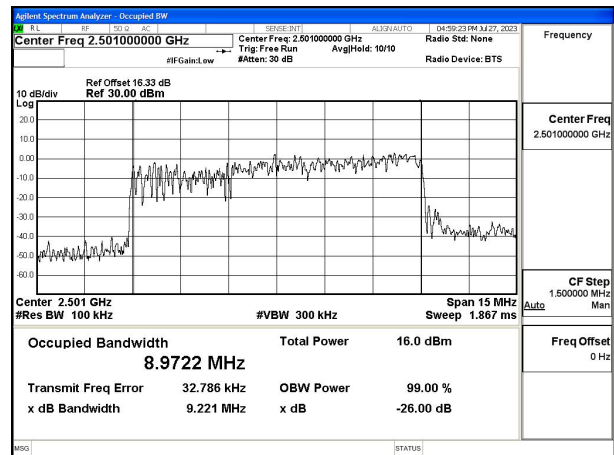


Fig.28

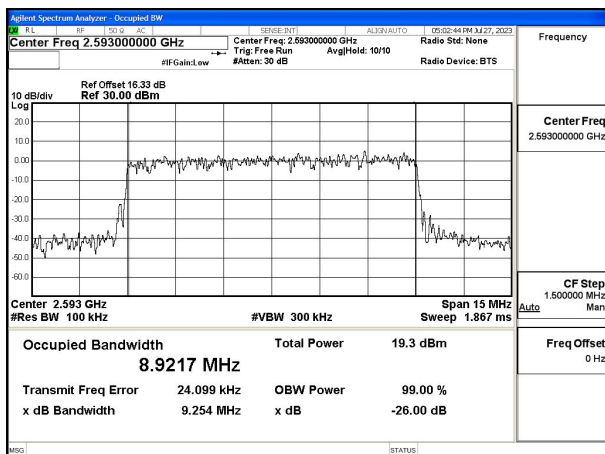


Fig.29

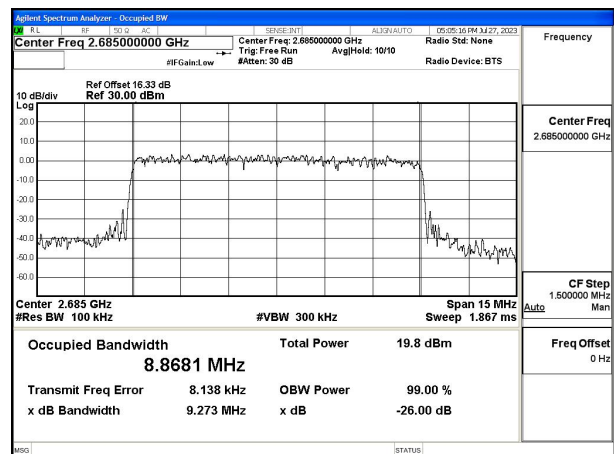


Fig.30

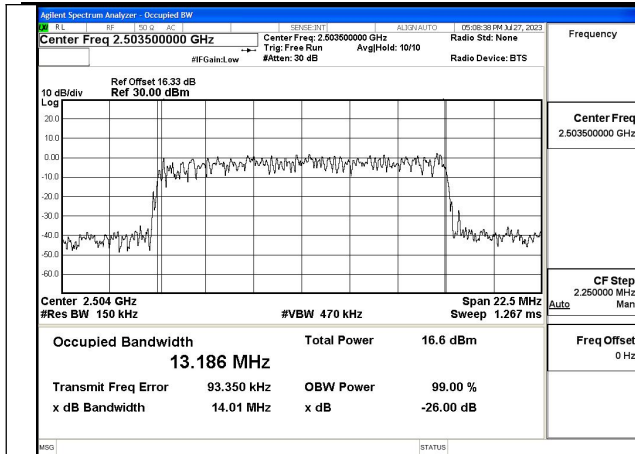


Fig.31

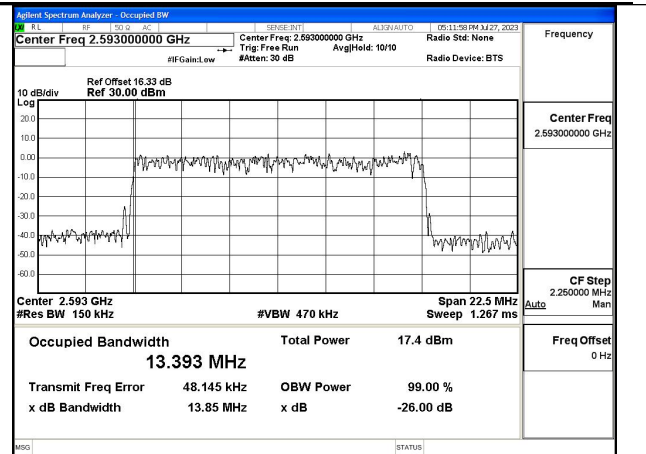


Fig.32

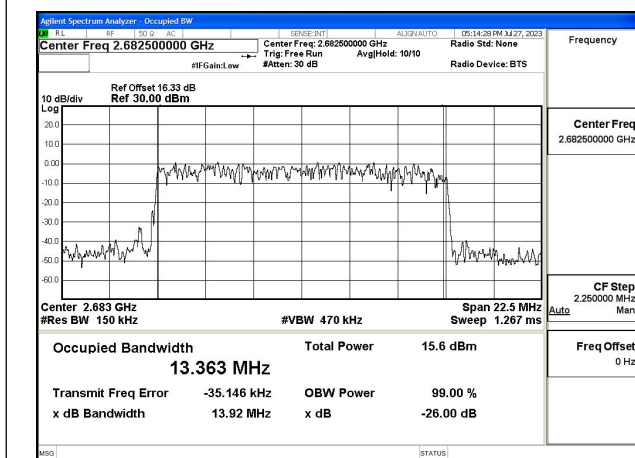


Fig.33

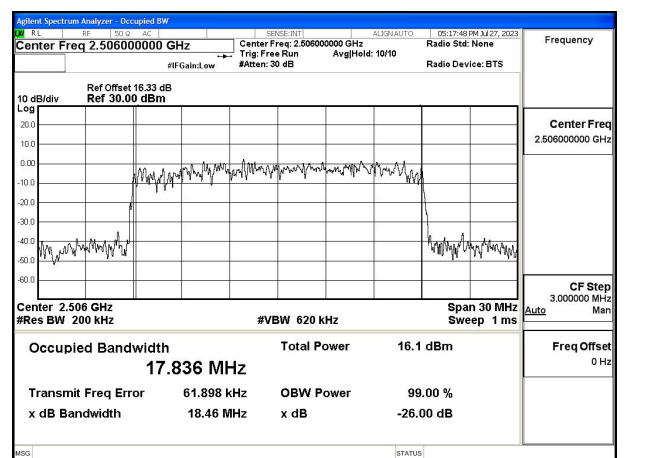


Fig.34

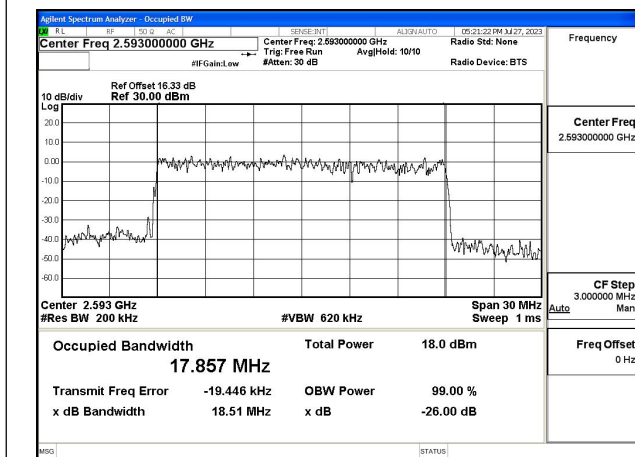


Fig.35

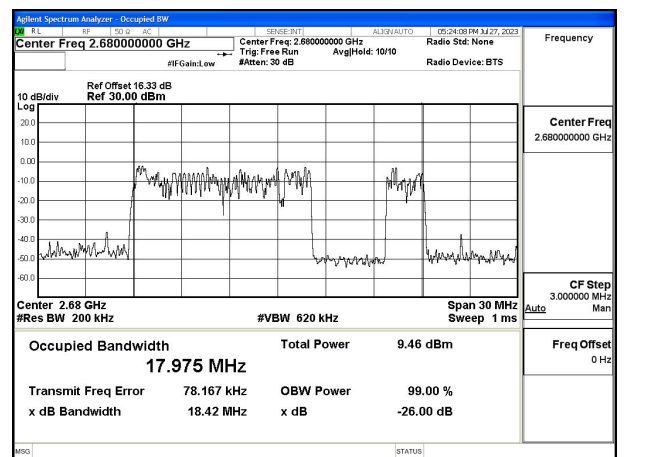


Fig.36

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	4.811	Fig.1
41	QPSK	2593	40620	5	25	0	4.720	Fig.2
41	QPSK	2687.5	41565	5	25	0	4.816	Fig.3
41	QPSK	2501	39700	10	50	0	9.427	Fig.4
41	QPSK	2593	40620	10	50	0	9.226	Fig.5
41	QPSK	2685	41540	10	50	0	9.463	Fig.6
41	QPSK	2503.5	39725	15	75	0	13.833	Fig.7
41	QPSK	2593	40620	15	75	0	13.815	Fig.8
41	QPSK	2682.5	41515	15	75	0	13.890	Fig.9
41	QPSK	2506	39750	20	100	0	18.371	Fig.10
41	QPSK	2593	40620	20	100	0	18.415	Fig.11
41	QPSK	2680	41490	20	100	0	18.479	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	4.893	Fig.13
41	16QAM	2593	40620	5	25	0	4.889	Fig.14
41	16QAM	2687.5	41565	5	25	0	4.734	Fig.15
41	16QAM	2501	39700	10	50	0	9.276	Fig.16
41	16QAM	2593	40620	10	50	0	9.217	Fig.17
41	16QAM	2685	41540	10	50	0	9.306	Fig.18
41	16QAM	2503.5	39725	15	75	0	14.157	Fig.19
41	16QAM	2593	40620	15	75	0	13.823	Fig.20
41	16QAM	2682.5	41515	15	75	0	13.896	Fig.21
41	16QAM	2506	39750	20	100	0	18.411	Fig.22
41	16QAM	2593	40620	20	100	0	18.473	Fig.23
41	16QAM	2680	41490	20	100	0	18.493	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	4.709	Fig.25
41	64QAM	2593	40620	5	25	0	4.743	Fig.26
41	64QAM	2687.5	41565	5	25	0	4.755	Fig.27
41	64QAM	2501	39700	10	50	0	9.221	Fig.28
41	64QAM	2593	40620	10	50	0	9.254	Fig.29
41	64QAM	2685	41540	10	50	0	9.273	Fig.30
41	64QAM	2503.5	39725	15	75	0	14.013	Fig.31
41	64QAM	2593	40620	15	75	0	13.848	Fig.32
41	64QAM	2682.5	41515	15	75	0	13.915	Fig.33
41	64QAM	2506	39750	20	100	0	18.465	Fig.34
41	64QAM	2593	40620	20	100	0	18.513	Fig.35
41	64QAM	2680	41490	20	100	0	18.418	Fig.36

Test Mode: QPSK

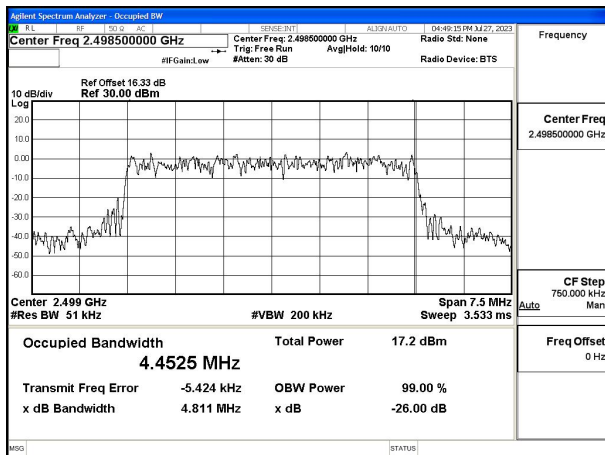


Fig.1

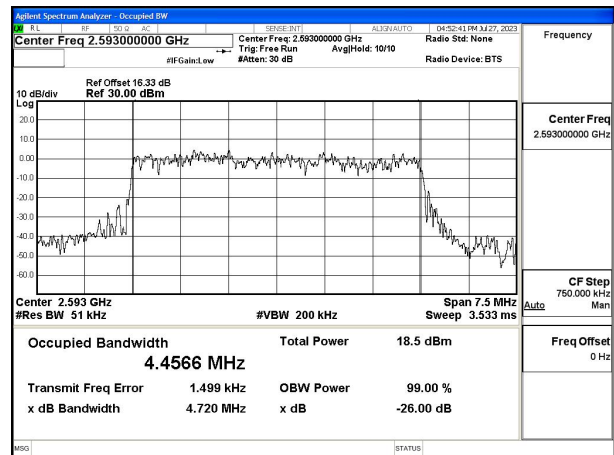


Fig.2

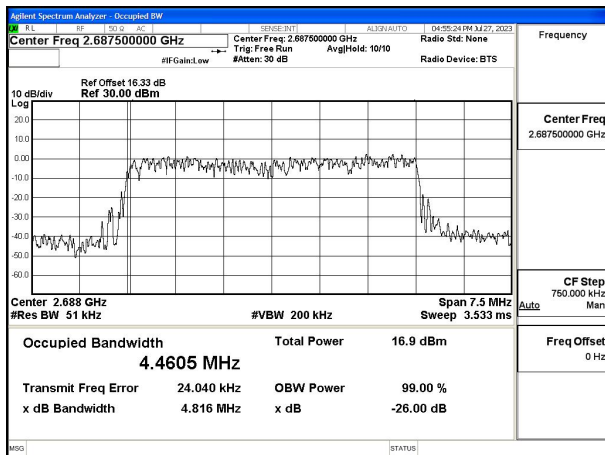


Fig.3

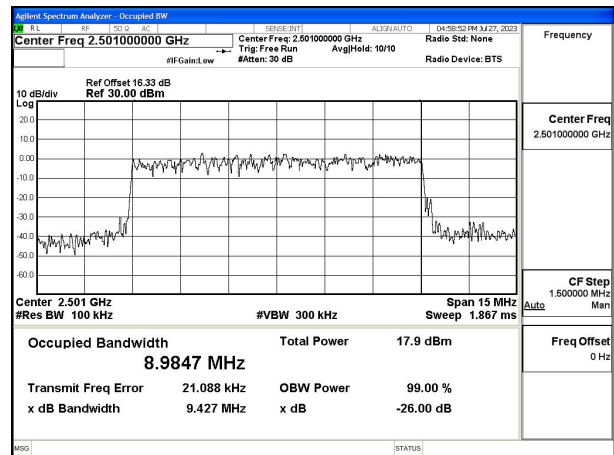


Fig.4

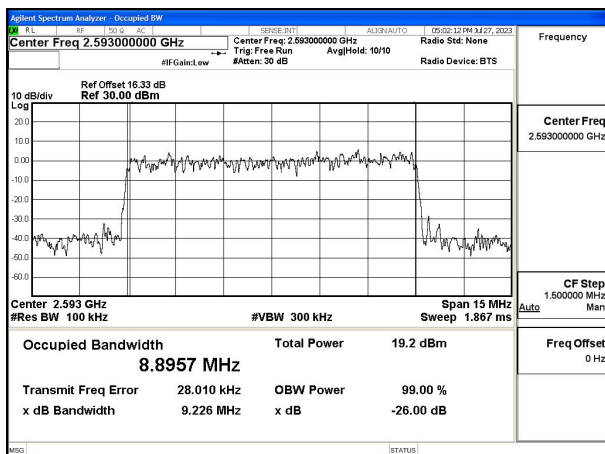


Fig.5

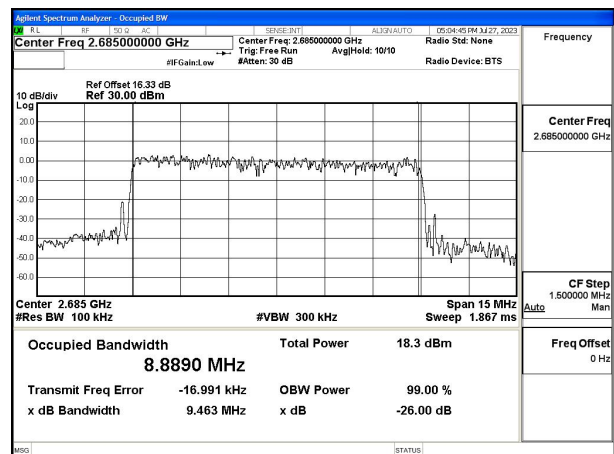


Fig.6