

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	-17.36
QPSK	2498.5	39675	5	1	12	-17.69
QPSK	2498.5	39675	5	1	24	-17.82
QPSK	2498.5	39675	5	12	0	-17.74
QPSK	2498.5	39675	5	12	7	-17.84
QPSK	2498.5	39675	5	12	13	-17.90
QPSK	2498.5	39675	5	25	0	-17.76
QPSK	2593	40620	5	1	0	23.02
QPSK	2593	40620	5	1	12	23.07
QPSK	2593	40620	5	1	24	22.92
QPSK	2593	40620	5	12	0	22.12
QPSK	2593	40620	5	12	7	22.12
QPSK	2593	40620	5	12	13	22.03
QPSK	2593	40620	5	25	0	22.16
QPSK	2687.5	41565	5	1	0	21.69
QPSK	2687.5	41565	5	1	12	20.03
QPSK	2687.5	41565	5	1	24	18.36
QPSK	2687.5	41565	5	12	0	20.69
QPSK	2687.5	41565	5	12	7	19.90
QPSK	2687.5	41565	5	12	13	19.09
QPSK	2687.5	41565	5	25	0	19.85

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2498.5	39675	5	1	0	-17.41
16QAM	2498.5	39675	5	1	12	-17.61
16QAM	2498.5	39675	5	1	24	-17.70
16QAM	2498.5	39675	5	12	0	-17.69
16QAM	2498.5	39675	5	12	7	-17.78
16QAM	2498.5	39675	5	12	13	-17.87
16QAM	2498.5	39675	5	25	0	-17.80
16QAM	2593	40620	5	1	0	22.23
16QAM	2593	40620	5	1	12	22.32
16QAM	2593	40620	5	1	24	22.18
16QAM	2593	40620	5	12	0	21.14
16QAM	2593	40620	5	12	7	21.23
16QAM	2593	40620	5	12	13	21.21
16QAM	2593	40620	5	25	0	21.17
16QAM	2687.5	41565	5	1	0	21.25
16QAM	2687.5	41565	5	1	12	19.98
16QAM	2687.5	41565	5	1	24	18.36
16QAM	2687.5	41565	5	12	0	20.64
16QAM	2687.5	41565	5	12	7	19.88
16QAM	2687.5	41565	5	12	13	19.08
16QAM	2687.5	41565	5	25	0	19.88
64QAM	2498.5	39675	5	1	0	-17.67
64QAM	2498.5	39675	5	1	12	-17.87
64QAM	2498.5	39675	5	1	24	-17.95
64QAM	2498.5	39675	5	12	0	-17.70
64QAM	2498.5	39675	5	12	7	-17.77
64QAM	2498.5	39675	5	12	13	-17.86
64QAM	2498.5	39675	5	25	0	-17.78
64QAM	2593	40620	5	1	0	21.07
64QAM	2593	40620	5	1	12	21.13
64QAM	2593	40620	5	1	24	21.01
64QAM	2593	40620	5	12	0	20.31
64QAM	2593	40620	5	12	7	20.25
64QAM	2593	40620	5	12	13	20.27
64QAM	2593	40620	5	25	0	20.21
64QAM	2687.5	41565	5	1	0	21.32
64QAM	2687.5	41565	5	1	12	19.94
64QAM	2687.5	41565	5	1	24	18.30
64QAM	2687.5	41565	5	12	0	20.65
64QAM	2687.5	41565	5	12	7	19.89
64QAM	2687.5	41565	5	12	13	19.08
64QAM	2687.5	41565	5	25	0	19.86

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2501	39700	10	1	0	-17.59
QPSK	2501	39700	10	1	25	-17.99
QPSK	2501	39700	10	1	49	-18.13
QPSK	2501	39700	10	25	0	-17.82
QPSK	2501	39700	10	25	12	-17.96
QPSK	2501	39700	10	25	25	-18.06
QPSK	2501	39700	10	50	0	-18.01
QPSK	2593	40620	10	1	0	23.09
QPSK	2593	40620	10	1	25	23.10
QPSK	2593	40620	10	1	49	22.95
QPSK	2593	40620	10	25	0	22.14
QPSK	2593	40620	10	25	12	22.20
QPSK	2593	40620	10	25	25	22.09
QPSK	2593	40620	10	50	0	22.25
QPSK	2685	41540	10	1	0	23.64
QPSK	2685	41540	10	1	25	21.96
QPSK	2685	41540	10	1	49	18.60
QPSK	2685	41540	10	25	0	22.83
QPSK	2685	41540	10	25	12	21.69
QPSK	2685	41540	10	25	25	20.17
QPSK	2685	41540	10	50	0	21.61

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2501	39700	10	1	0	-17.36
16QAM	2501	39700	10	1	25	-17.82
16QAM	2501	39700	10	1	49	-17.92
16QAM	2501	39700	10	25	0	-17.73
16QAM	2501	39700	10	25	12	-17.95
16QAM	2501	39700	10	25	25	-17.96
16QAM	2501	39700	10	50	0	-17.94
16QAM	2593	40620	10	1	0	22.36
16QAM	2593	40620	10	1	25	22.42
16QAM	2593	40620	10	1	49	22.28
16QAM	2593	40620	10	25	0	21.15
16QAM	2593	40620	10	25	12	21.21
16QAM	2593	40620	10	25	25	21.17
16QAM	2593	40620	10	50	0	21.21
16QAM	2685	41540	10	1	0	23.69
16QAM	2685	41540	10	1	25	22.26
16QAM	2685	41540	10	1	49	18.59
16QAM	2685	41540	10	25	0	22.73
16QAM	2685	41540	10	25	12	21.56
16QAM	2685	41540	10	25	25	20.33
16QAM	2685	41540	10	50	0	21.55
64QAM	2501	39700	10	1	0	-17.56
64QAM	2501	39700	10	1	25	-18.05
64QAM	2501	39700	10	1	49	-18.14
64QAM	2501	39700	10	25	0	-17.68
64QAM	2501	39700	10	25	12	-17.90
64QAM	2501	39700	10	25	25	-18.03
64QAM	2501	39700	10	50	0	-17.85
64QAM	2593	40620	10	1	0	21.15
64QAM	2593	40620	10	1	25	21.24
64QAM	2593	40620	10	1	49	21.07
64QAM	2593	40620	10	25	0	20.41
64QAM	2593	40620	10	25	12	20.34
64QAM	2593	40620	10	25	25	20.24
64QAM	2593	40620	10	50	0	20.23
64QAM	2685	41540	10	1	0	23.70
64QAM	2685	41540	10	1	25	21.52
64QAM	2685	41540	10	1	49	18.58
64QAM	2685	41540	10	25	0	22.72
64QAM	2685	41540	10	25	12	20.68
64QAM	2685	41540	10	25	25	20.22
64QAM	2685	41540	10	50	0	20.49

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2503.5	39725	15	1	0	-17.68
QPSK	2503.5	39725	15	1	37	-18.15
QPSK	2503.5	39725	15	1	74	-19.87
QPSK	2503.5	39725	15	36	0	-17.74
QPSK	2503.5	39725	15	36	29	-18.25
QPSK	2503.5	39725	15	36	30	-18.25
QPSK	2503.5	39725	15	75	0	-18.21
QPSK	2593	40620	15	1	0	23.13
QPSK	2593	40620	15	1	37	23.05
QPSK	2593	40620	15	1	74	22.91
QPSK	2593	40620	15	36	0	22.17
QPSK	2593	40620	15	36	29	22.14
QPSK	2593	40620	15	36	30	22.07
QPSK	2593	40620	15	75	0	22.07
QPSK	2682.5	41515	15	1	0	23.65
QPSK	2682.5	41515	15	1	37	23.81
QPSK	2682.5	41515	15	1	74	18.90
QPSK	2682.5	41515	15	36	0	24.47
QPSK	2682.5	41515	15	36	29	22.67
QPSK	2682.5	41515	15	36	30	22.05
QPSK	2682.5	41515	15	75	0	22.88

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2503.5	39725	15	1	0	-17.44
16QAM	2503.5	39725	15	1	37	-17.99
16QAM	2503.5	39725	15	1	74	-19.75
16QAM	2503.5	39725	15	36	0	-17.69
16QAM	2503.5	39725	15	36	29	-18.24
16QAM	2503.5	39725	15	36	30	-18.24
16QAM	2503.5	39725	15	75	0	-18.11
16QAM	2593	40620	15	1	0	22.34
16QAM	2593	40620	15	1	37	22.34
16QAM	2593	40620	15	1	74	22.10
16QAM	2593	40620	15	36	0	21.20
16QAM	2593	40620	15	36	29	21.14
16QAM	2593	40620	15	36	30	21.14
16QAM	2593	40620	15	75	0	21.21
16QAM	2682.5	41515	15	1	0	22.73
16QAM	2682.5	41515	15	1	37	22.67
16QAM	2682.5	41515	15	1	74	19.31
16QAM	2682.5	41515	15	36	0	24.27
16QAM	2682.5	41515	15	36	29	21.61
16QAM	2682.5	41515	15	36	30	21.51
16QAM	2682.5	41515	15	75	0	21.67
64QAM	2503.5	39725	15	1	0	-17.64
64QAM	2503.5	39725	15	1	37	-18.20
64QAM	2503.5	39725	15	1	74	-19.90
64QAM	2503.5	39725	15	36	0	-17.67
64QAM	2503.5	39725	15	36	29	-18.23
64QAM	2503.5	39725	15	36	30	-18.24
64QAM	2503.5	39725	15	75	0	-18.11
64QAM	2593	40620	15	1	0	21.09
64QAM	2593	40620	15	1	37	21.13
64QAM	2593	40620	15	1	74	20.96
64QAM	2593	40620	15	36	0	20.25
64QAM	2593	40620	15	36	29	20.09
64QAM	2593	40620	15	36	30	20.22
64QAM	2593	40620	15	75	0	20.17
64QAM	2682.5	41515	15	1	0	21.70
64QAM	2682.5	41515	15	1	37	21.68
64QAM	2682.5	41515	15	1	74	19.94
64QAM	2682.5	41515	15	36	0	24.29
64QAM	2682.5	41515	15	36	29	20.72
64QAM	2682.5	41515	15	36	30	20.67
64QAM	2682.5	41515	15	75	0	20.74

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2506	39750	20	1	0	-17.39
QPSK	2506	39750	20	1	49	-18.13
QPSK	2506	39750	20	1	99	-28.20
QPSK	2506	39750	20	50	0	-17.58
QPSK	2506	39750	20	50	24	-18.25
QPSK	2506	39750	20	50	50	-19.63
QPSK	2506	39750	20	100	0	-18.58
QPSK	2593	40620	20	1	0	23.10
QPSK	2593	40620	20	1	49	23.21
QPSK	2593	40620	20	1	99	22.83
QPSK	2593	40620	20	50	0	22.27
QPSK	2593	40620	20	50	24	22.16
QPSK	2593	40620	20	50	50	22.13
QPSK	2593	40620	20	100	0	22.22
QPSK	2680	41490	20	1	0	23.58
QPSK	2680	41490	20	1	49	23.84
QPSK	2680	41490	20	1	99	19.50
QPSK	2680	41490	20	50	0	25.26
QPSK	2680	41490	20	50	24	22.94
QPSK	2680	41490	20	50	50	22.56
QPSK	2680	41490	20	100	0	23.76

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2506	39750	20	1	0	-17.36
16QAM	2506	39750	20	1	49	-18.04
16QAM	2506	39750	20	1	99	-28.21
16QAM	2506	39750	20	50	0	-17.58
16QAM	2506	39750	20	50	24	-18.21
16QAM	2506	39750	20	50	50	-19.87
16QAM	2506	39750	20	100	0	-18.67
16QAM	2593	40620	20	1	0	22.32
16QAM	2593	40620	20	1	49	22.48
16QAM	2593	40620	20	1	99	22.13
16QAM	2593	40620	20	50	0	21.31
16QAM	2593	40620	20	50	24	21.32
16QAM	2593	40620	20	50	50	21.18
16QAM	2593	40620	20	100	0	21.34
16QAM	2680	41490	20	1	0	22.77
16QAM	2680	41490	20	1	49	22.85
16QAM	2680	41490	20	1	99	20.05
16QAM	2680	41490	20	50	0	25.04
16QAM	2680	41490	20	50	24	21.95
16QAM	2680	41490	20	50	50	21.47
16QAM	2680	41490	20	100	0	21.93
64QAM	2506	39750	20	1	0	-17.57
64QAM	2506	39750	20	1	49	-18.29
64QAM	2506	39750	20	1	99	-28.29
64QAM	2506	39750	20	50	0	-17.68
64QAM	2506	39750	20	50	24	-18.31
64QAM	2506	39750	20	50	50	-19.89
64QAM	2506	39750	20	100	0	-18.66
64QAM	2593	40620	20	1	0	21.18
64QAM	2593	40620	20	1	49	21.18
64QAM	2593	40620	20	1	99	20.86
64QAM	2593	40620	20	50	0	20.37
64QAM	2593	40620	20	50	24	20.24
64QAM	2593	40620	20	50	50	20.22
64QAM	2593	40620	20	100	0	20.23
64QAM	2680	41490	20	1	0	21.67
64QAM	2680	41490	20	1	49	21.85
64QAM	2680	41490	20	1	99	20.24
64QAM	2680	41490	20	50	0	25.02
64QAM	2680	41490	20	50	24	20.94
64QAM	2680	41490	20	50	50	20.65
64QAM	2680	41490	20	100	0	20.94

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	4.490	Fig.1
41	QPSK	2593	40620	5	25	0	4.430	Fig.2
41	QPSK	2687.5	41565	5	25	0	5.340	Fig.3
41	QPSK	2501	39700	10	50	0	8.980	Fig.4
41	QPSK	2593	40620	10	50	0	8.920	Fig.5
41	QPSK	2685	41540	10	50	0	10.660	Fig.6
41	QPSK	2503.5	39725	15	75	0	13.540	Fig.7
41	QPSK	2593	40620	15	75	0	13.310	Fig.8
41	QPSK	2682.5	41515	15	75	0	13.480	Fig.9
41	QPSK	2506	39750	20	100	0	20.580	Fig.10
41	QPSK	2593	40620	20	100	0	17.800	Fig.11
41	QPSK	2680	41490	20	100	0	17.840	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	4.490	Fig.13
41	16QAM	2593	40620	5	25	0	4.460	Fig.14
41	16QAM	2687.5	41565	5	25	0	6.230	Fig.15
41	16QAM	2501	39700	10	50	0	8.970	Fig.16
41	16QAM	2593	40620	10	50	0	8.910	Fig.17
41	16QAM	2685	41540	10	50	0	11.000	Fig.18
41	16QAM	2503.5	39725	15	75	0	13.570	Fig.19
41	16QAM	2593	40620	15	75	0	13.400	Fig.20
41	16QAM	2682.5	41515	15	75	0	13.340	Fig.21
41	16QAM	2506	39750	20	100	0	21.230	Fig.22
41	16QAM	2593	40620	20	100	0	17.880	Fig.23
41	16QAM	2680	41490	20	100	0	17.760	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	4.470	Fig.25
41	64QAM	2593	40620	5	25	0	4.440	Fig.26
41	64QAM	2687.5	41565	5	25	0	5.580	Fig.27
41	64QAM	2501	39700	10	50	0	8.980	Fig.28
41	64QAM	2593	40620	10	50	0	8.890	Fig.29
41	64QAM	2685	41540	10	50	0	8.890	Fig.30
41	64QAM	2503.5	39725	15	75	0	13.570	Fig.31
41	64QAM	2593	40620	15	75	0	13.350	Fig.32
41	64QAM	2682.5	41515	15	75	0	13.380	Fig.33
41	64QAM	2506	39750	20	100	0	20.350	Fig.34
41	64QAM	2593	40620	20	100	0	17.820	Fig.35
41	64QAM	2680	41490	20	100	0	17.800	Fig.36

Test Mode: QPSK

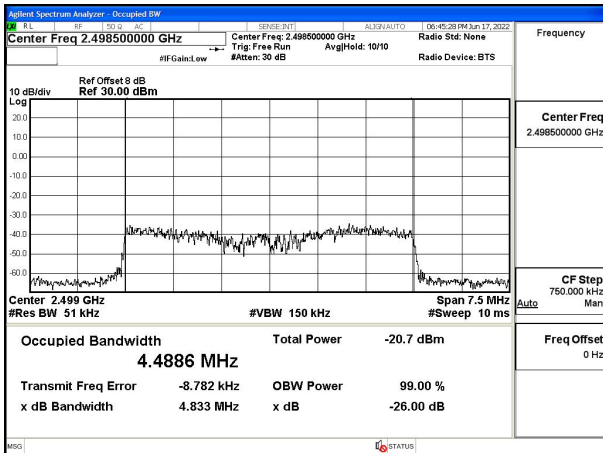


Fig.1

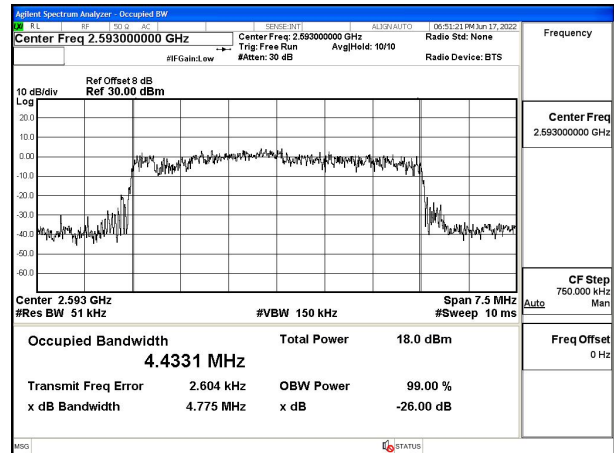


Fig.2

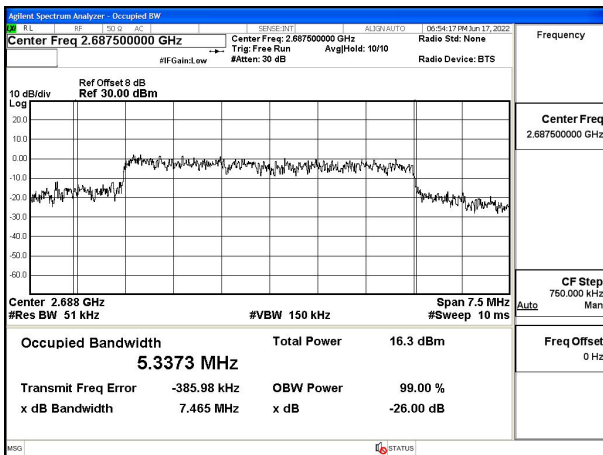


Fig.3

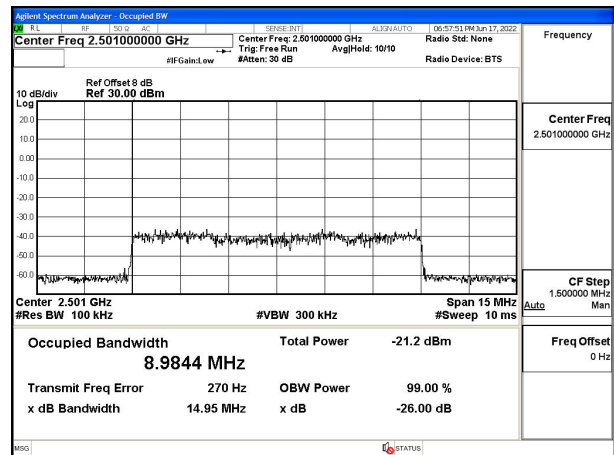


Fig.4

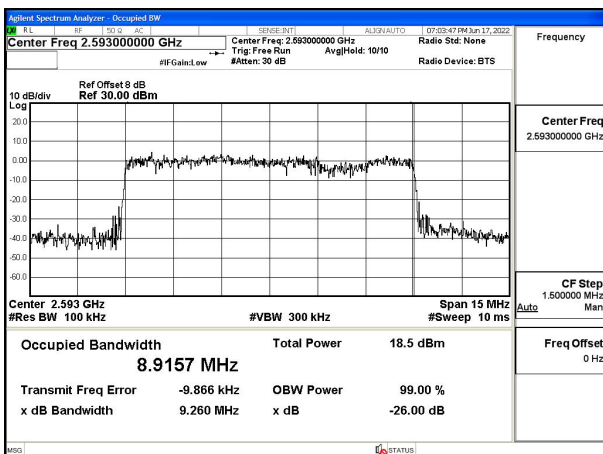


Fig.5

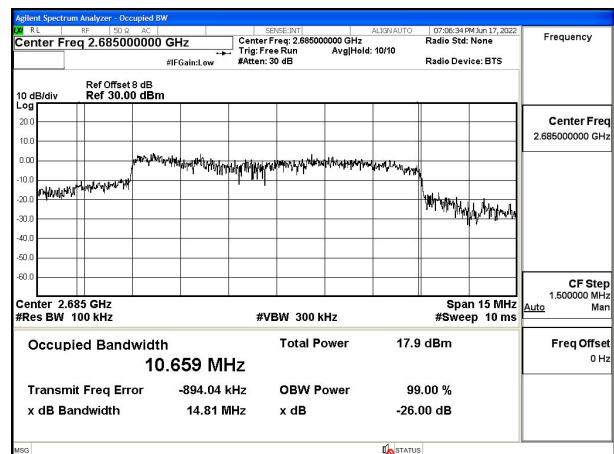


Fig.6

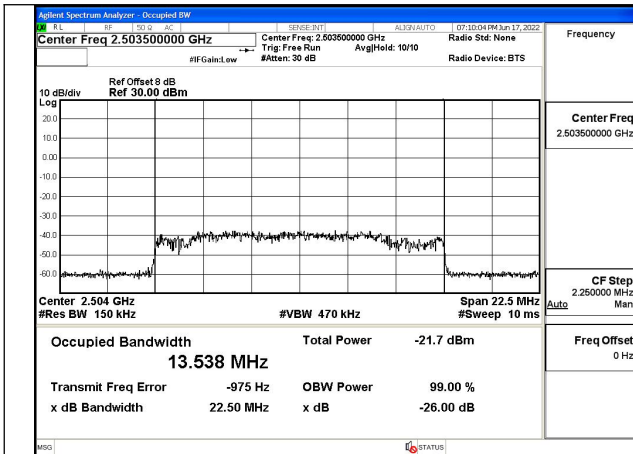


Fig.7

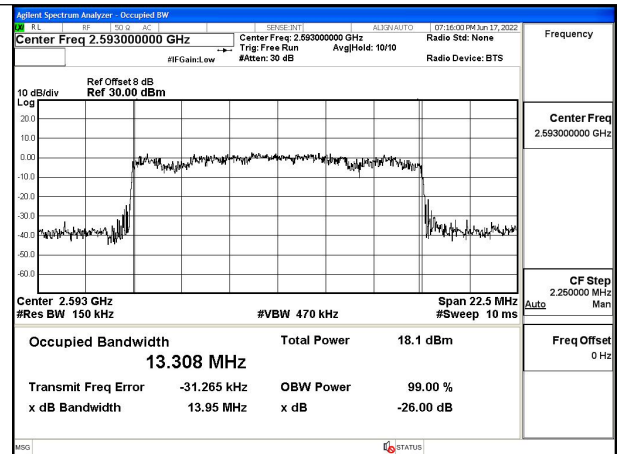


Fig.8

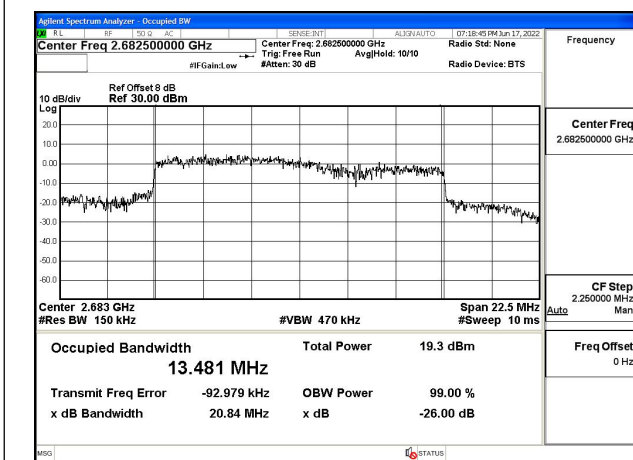


Fig.9

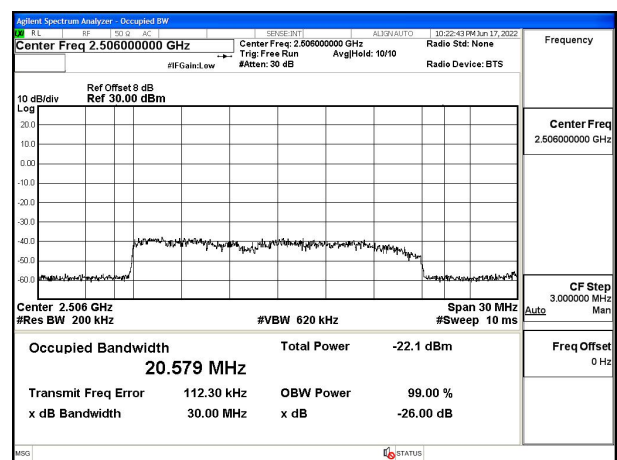


Fig.10

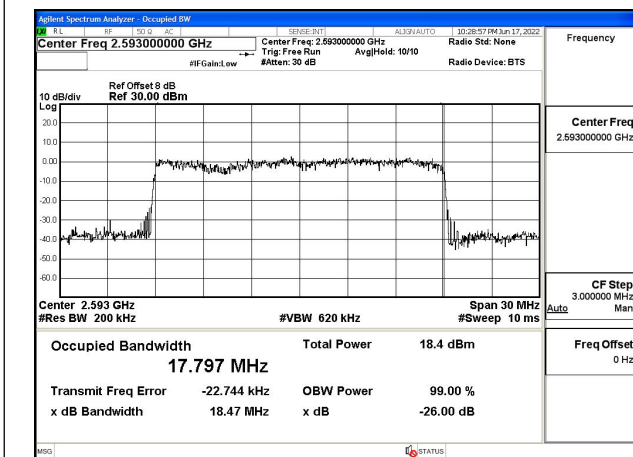


Fig.11

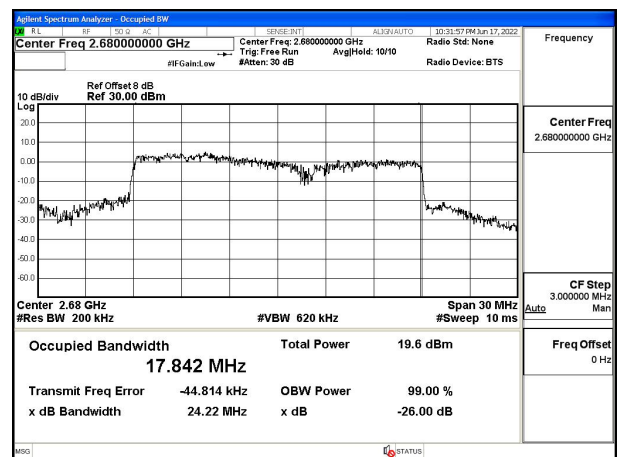


Fig.12

Test Mode: 16QAM

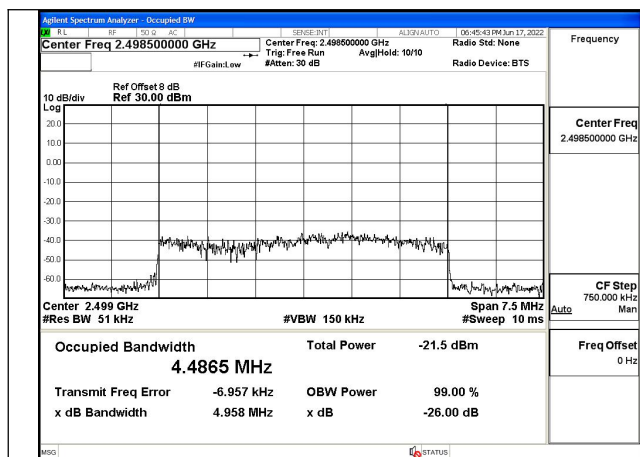


Fig.13

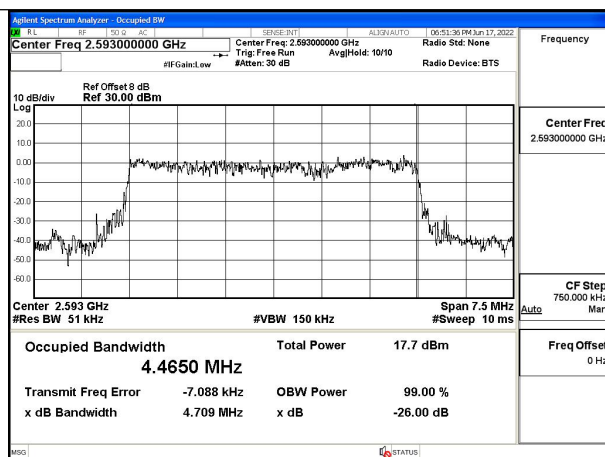


Fig.14

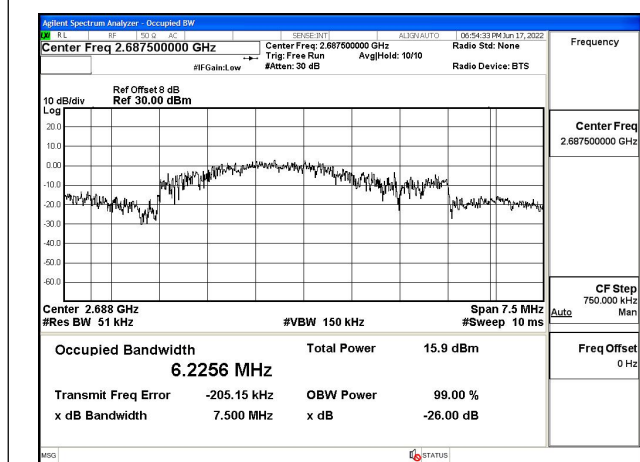


Fig.15

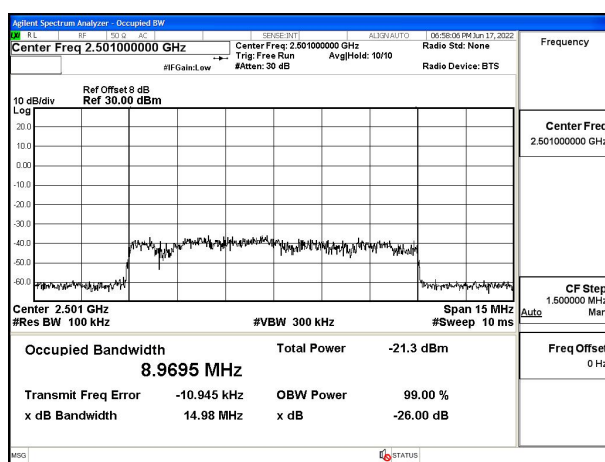


Fig.16

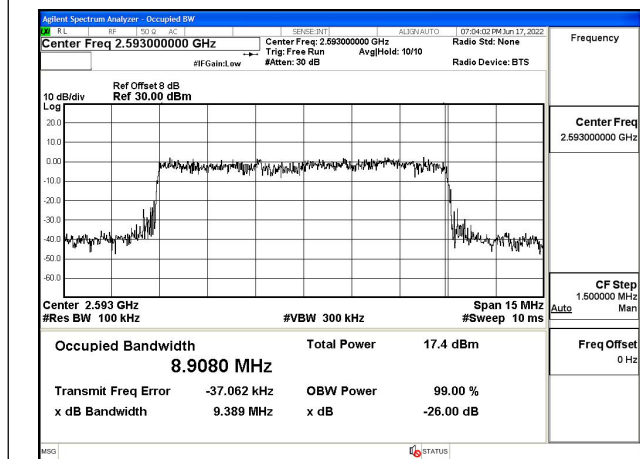


Fig.17

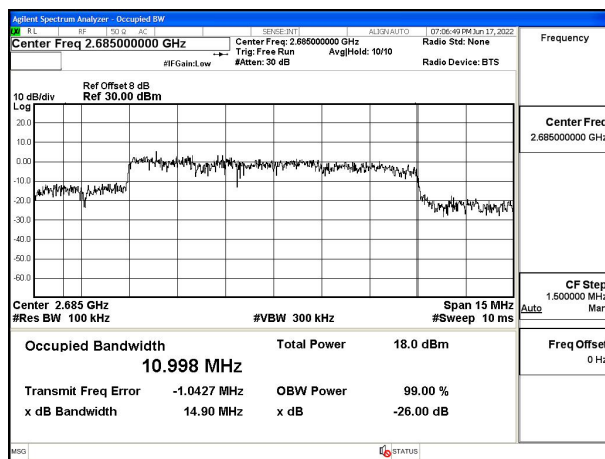


Fig.18

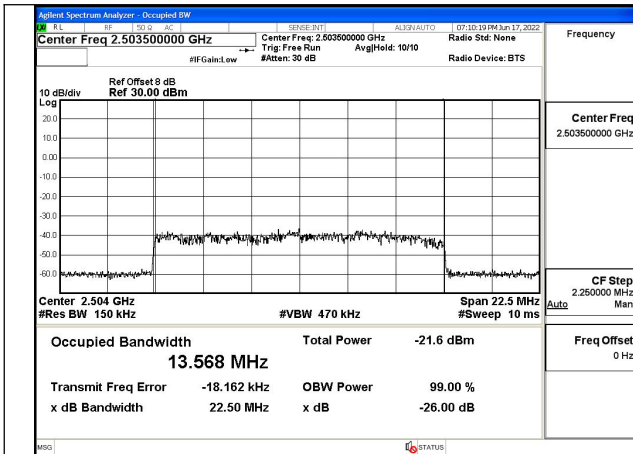


Fig.19

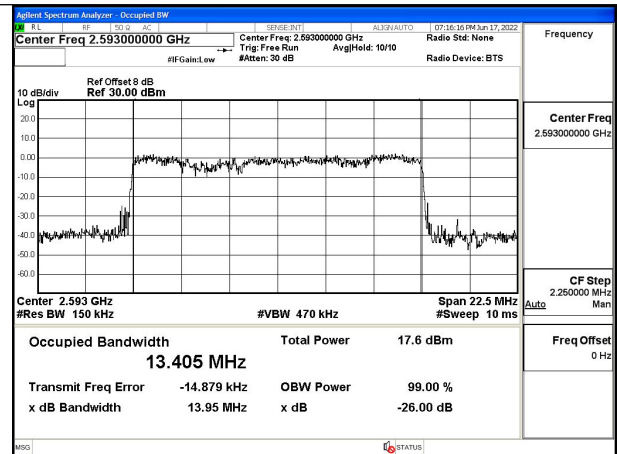


Fig.20

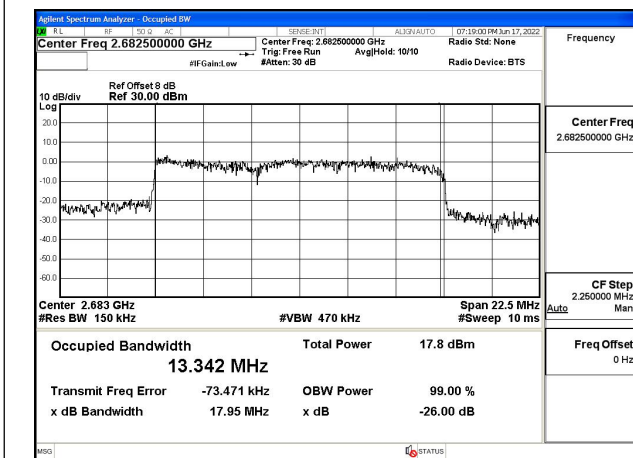


Fig.21

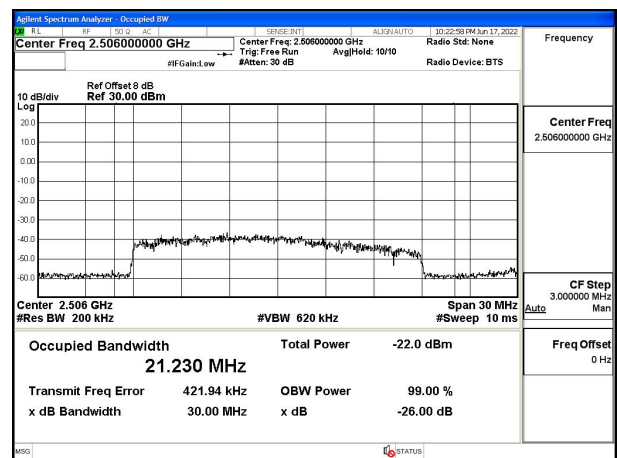


Fig.22

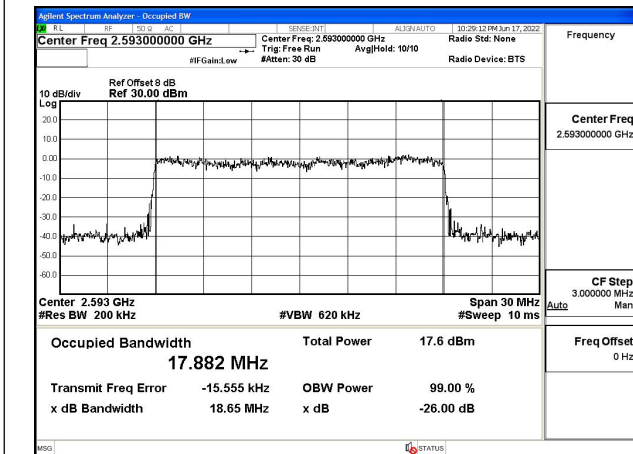


Fig.23

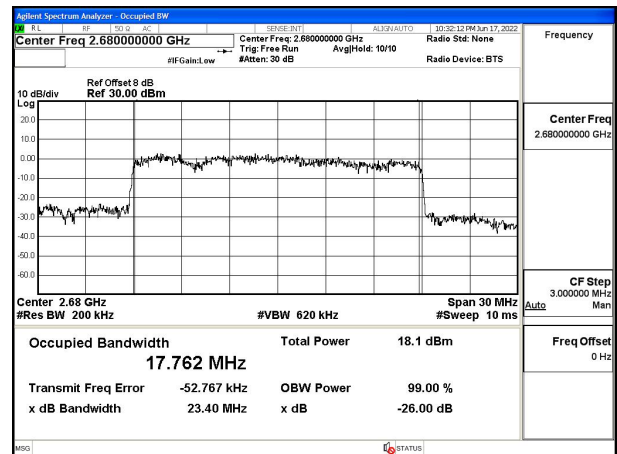


Fig.24

Test Mode: 64QAM

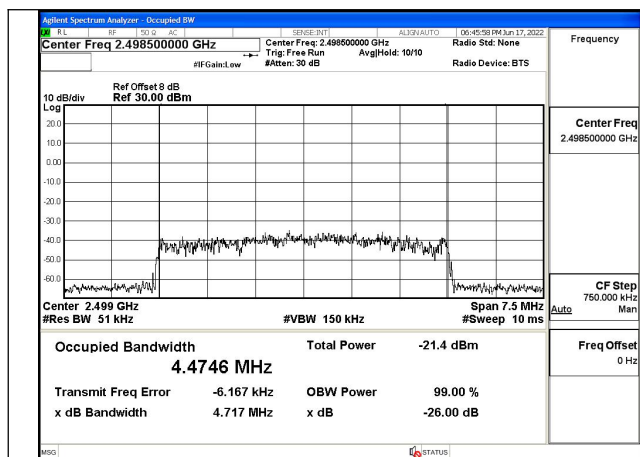


Fig.25

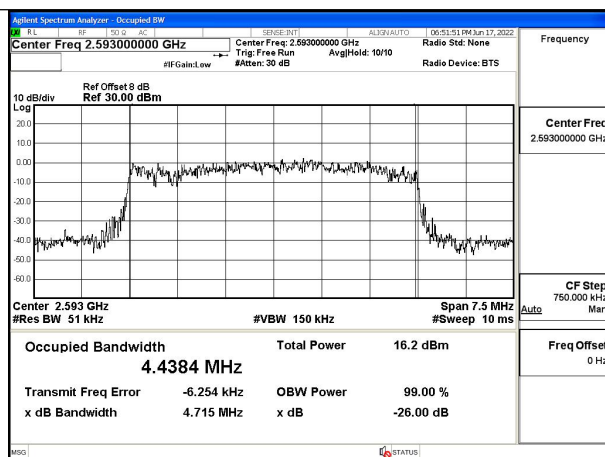


Fig.26

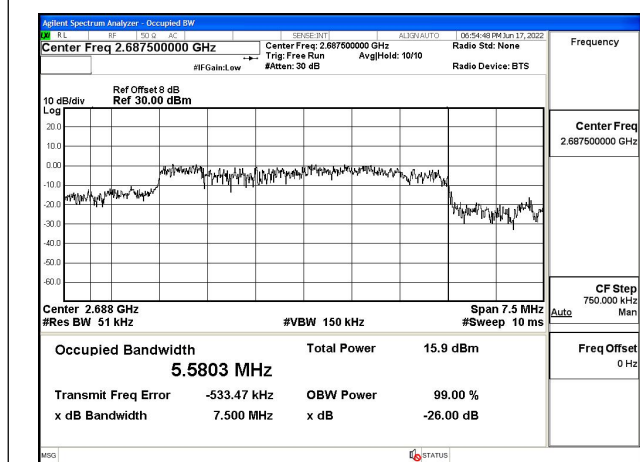


Fig.27

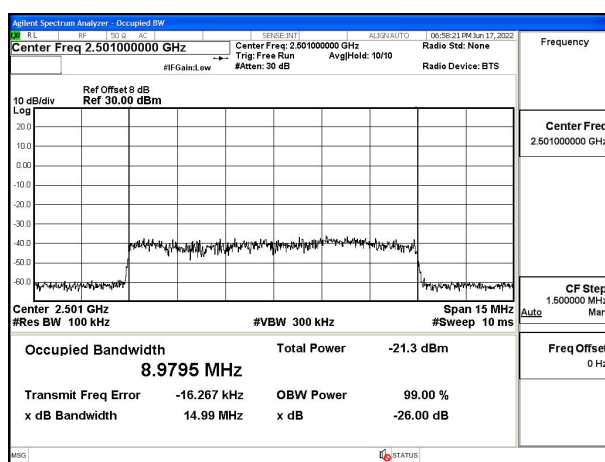


Fig.28

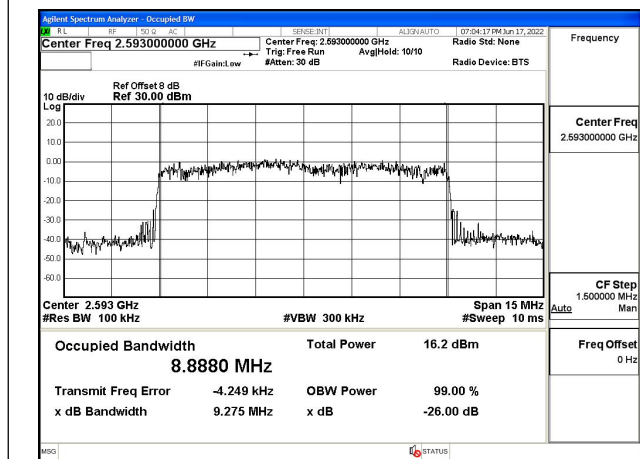


Fig.29

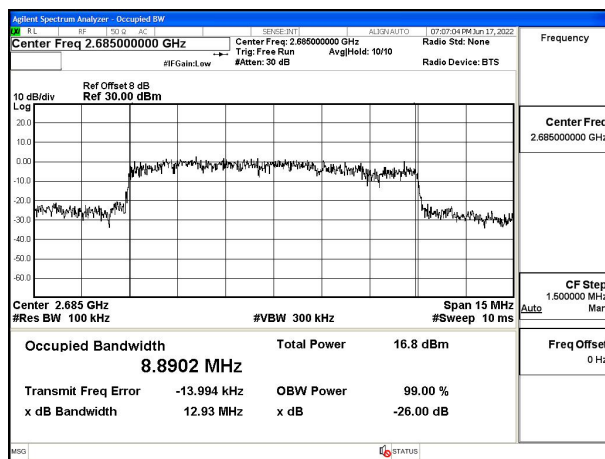


Fig.30

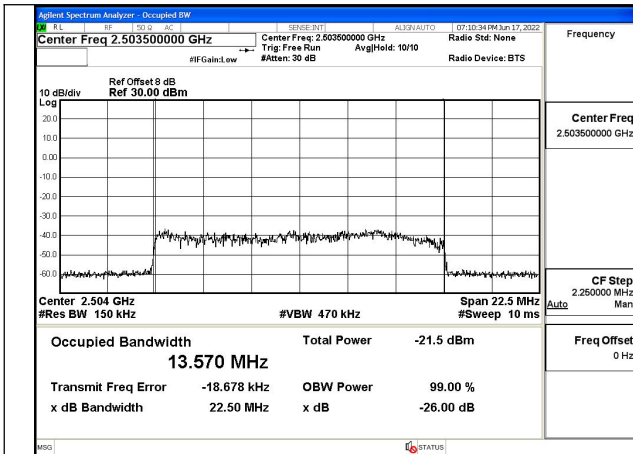


Fig.31

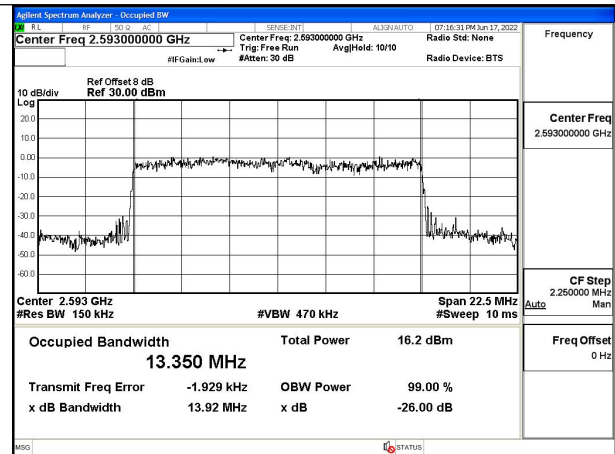


Fig.32

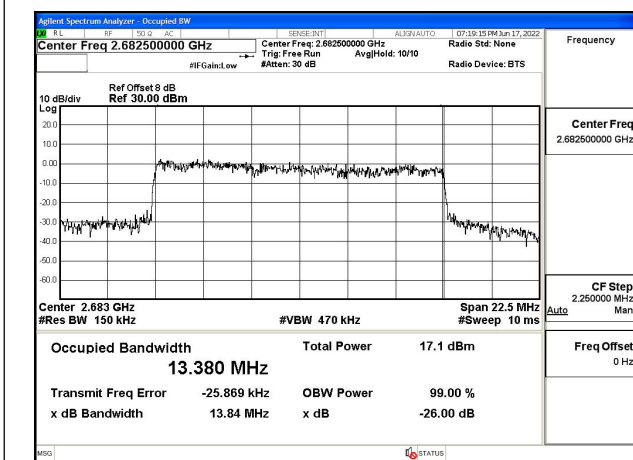


Fig.33

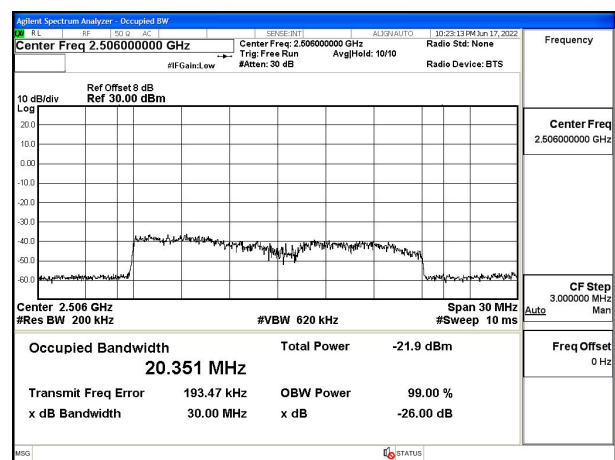


Fig.34

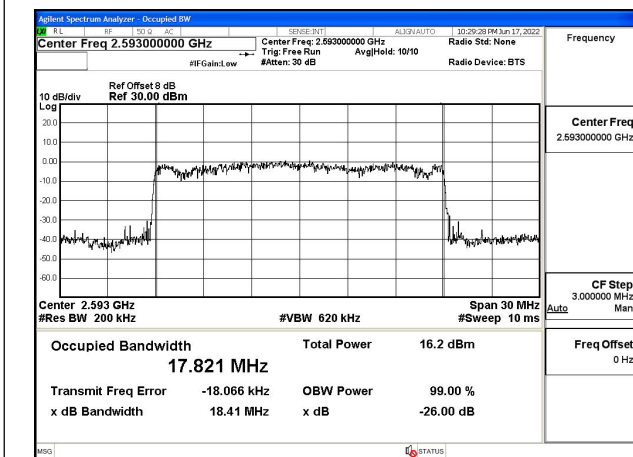


Fig.35

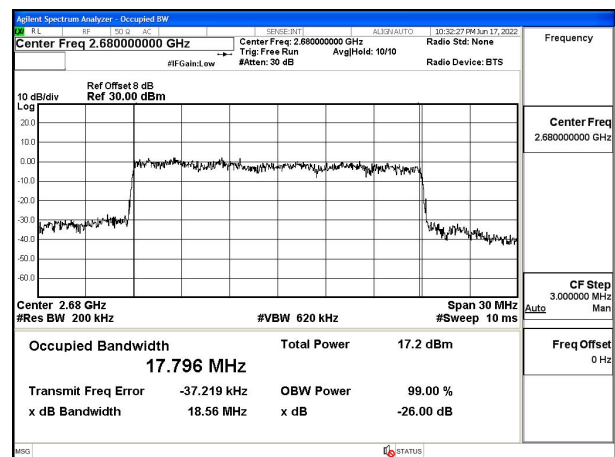


Fig.36

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	4.830	Fig.1
41	QPSK	2593	40620	5	25	0	4.780	Fig.2
41	QPSK	2687.5	41565	5	25	0	7.470	Fig.3
41	QPSK	2501	39700	10	50	0	14.950	Fig.4
41	QPSK	2593	40620	10	50	0	9.260	Fig.5
41	QPSK	2685	41540	10	50	0	14.810	Fig.6
41	QPSK	2503.5	39725	15	75	0	22.500	Fig.7
41	QPSK	2593	40620	15	75	0	13.950	Fig.8
41	QPSK	2682.5	41515	15	75	0	20.840	Fig.9
41	QPSK	2506	39750	20	100	0	30.000	Fig.10
41	QPSK	2593	40620	20	100	0	18.470	Fig.11
41	QPSK	2680	41490	20	100	0	24.220	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	4.960	Fig.13
41	16QAM	2593	40620	5	25	0	4.710	Fig.14
41	16QAM	2687.5	41565	5	25	0	7.500	Fig.15
41	16QAM	2501	39700	10	50	0	14.980	Fig.16
41	16QAM	2593	40620	10	50	0	9.390	Fig.17
41	16QAM	2685	41540	10	50	0	14.900	Fig.18
41	16QAM	2503.5	39725	15	75	0	22.500	Fig.19
41	16QAM	2593	40620	15	75	0	13.950	Fig.20
41	16QAM	2682.5	41515	15	75	0	17.950	Fig.21
41	16QAM	2506	39750	20	100	0	30.000	Fig.22
41	16QAM	2593	40620	20	100	0	18.650	Fig.23
41	16QAM	2680	41490	20	100	0	23.400	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	4.720	Fig.25
41	64QAM	2593	40620	5	25	0	4.720	Fig.26
41	64QAM	2687.5	41565	5	25	0	7.500	Fig.27
41	64QAM	2501	39700	10	50	0	14.990	Fig.28
41	64QAM	2593	40620	10	50	0	9.270	Fig.29
41	64QAM	2685	41540	10	50	0	12.930	Fig.30
41	64QAM	2503.5	39725	15	75	0	22.500	Fig.31
41	64QAM	2593	40620	15	75	0	13.920	Fig.32
41	64QAM	2682.5	41515	15	75	0	13.840	Fig.33
41	64QAM	2506	39750	20	100	0	30.000	Fig.34
41	64QAM	2593	40620	20	100	0	18.410	Fig.35
41	64QAM	2680	41490	20	100	0	18.560	Fig.36

Test Mode: QPSK

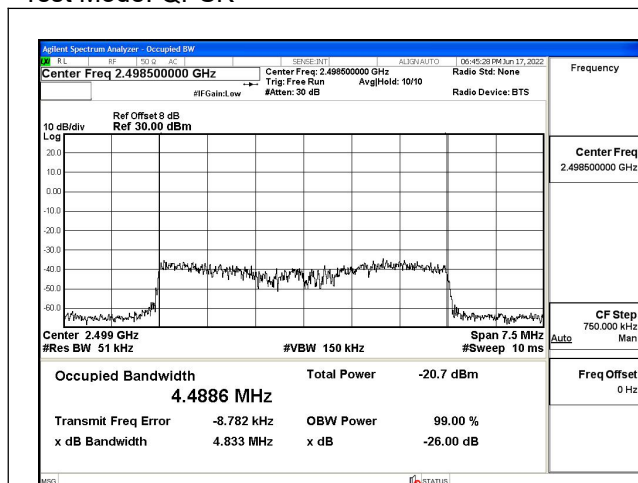


Fig.1

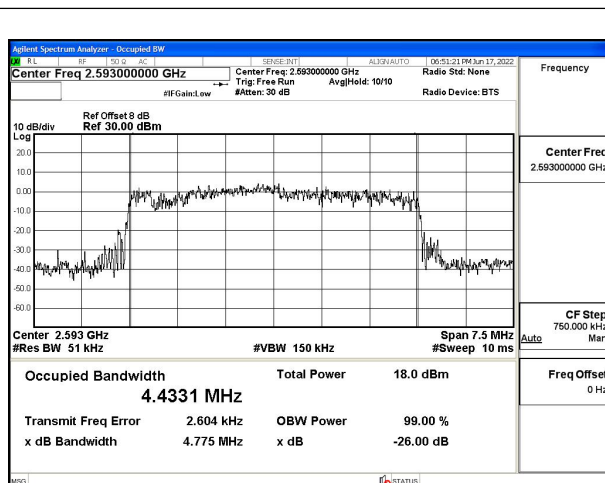


Fig.2

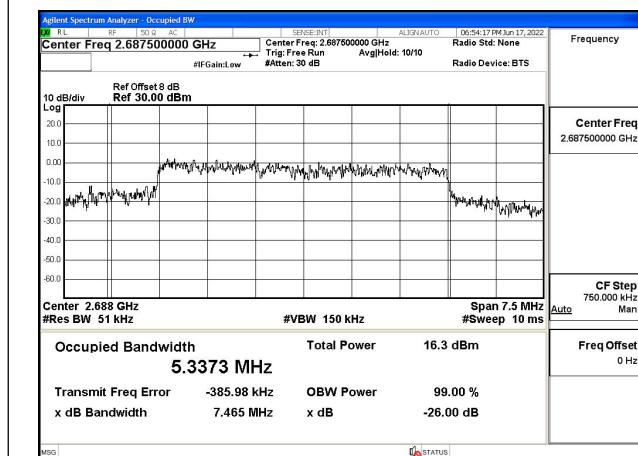


Fig.3

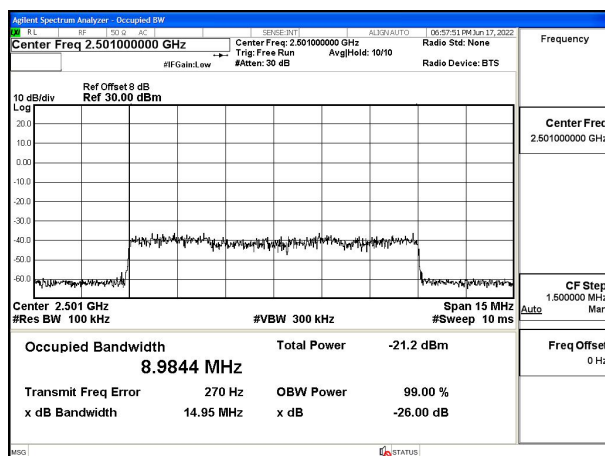


Fig.4

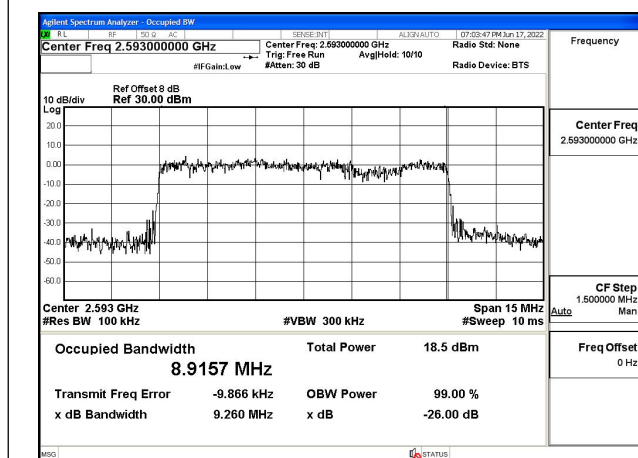


Fig.5

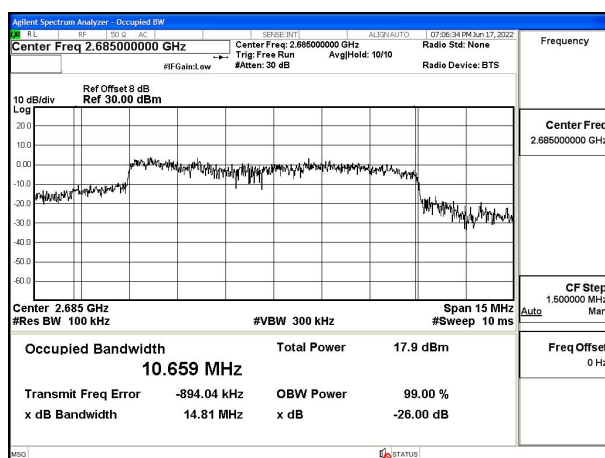


Fig.6

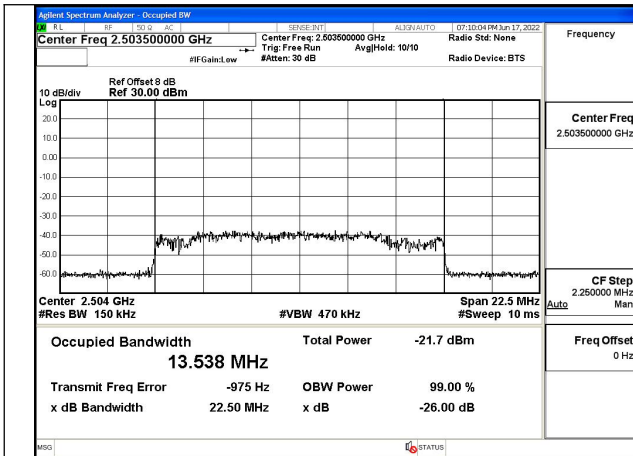


Fig.7

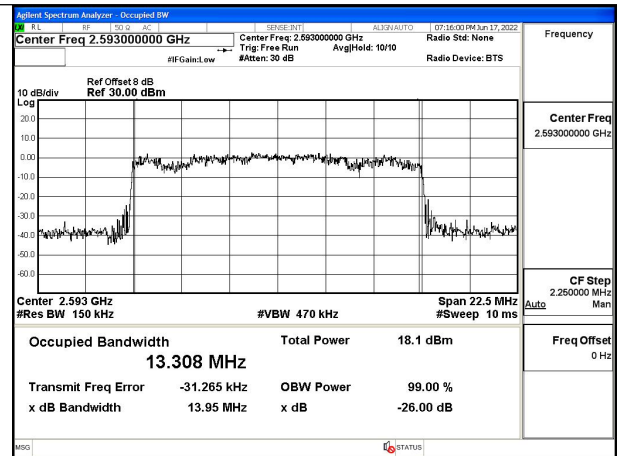


Fig.8

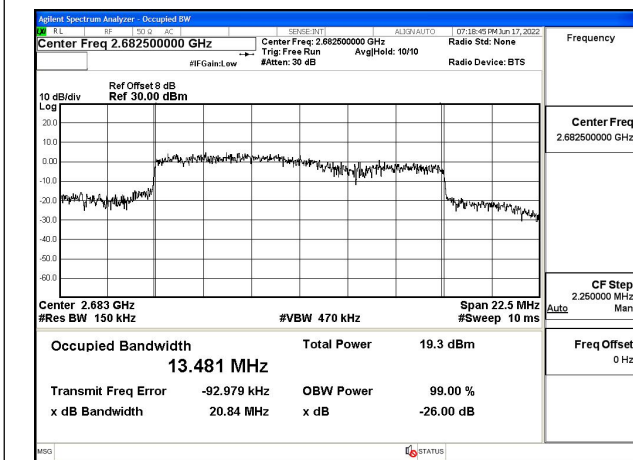


Fig.9

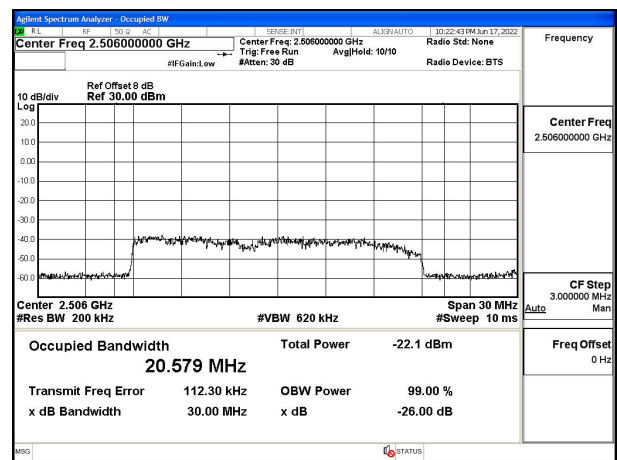


Fig.10

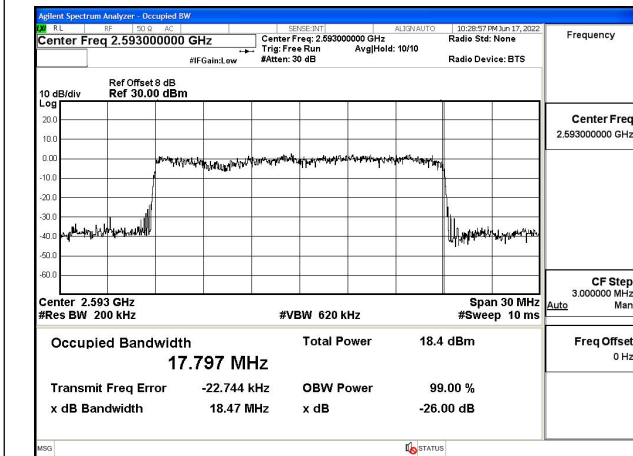


Fig.11

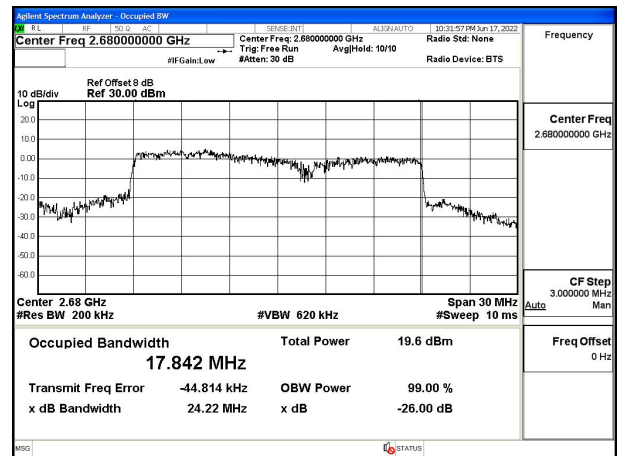


Fig.12

Test Mode: 16QAM

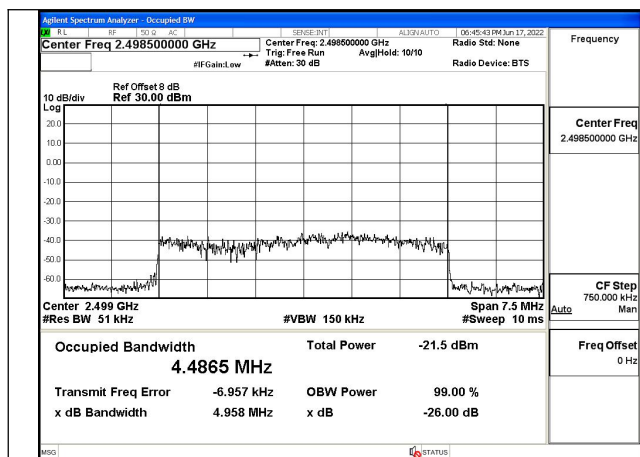


Fig.13

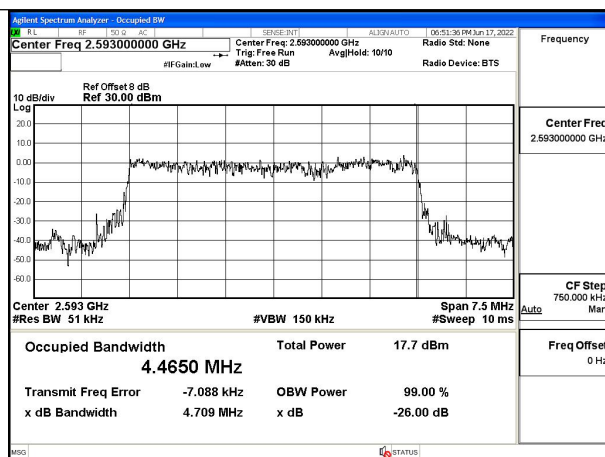


Fig.14

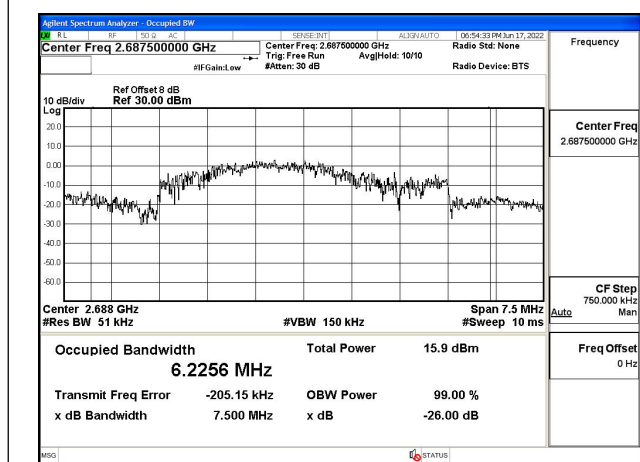


Fig.15

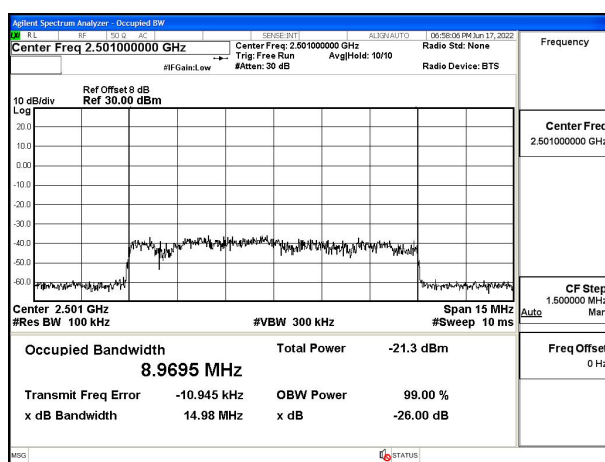


Fig.16

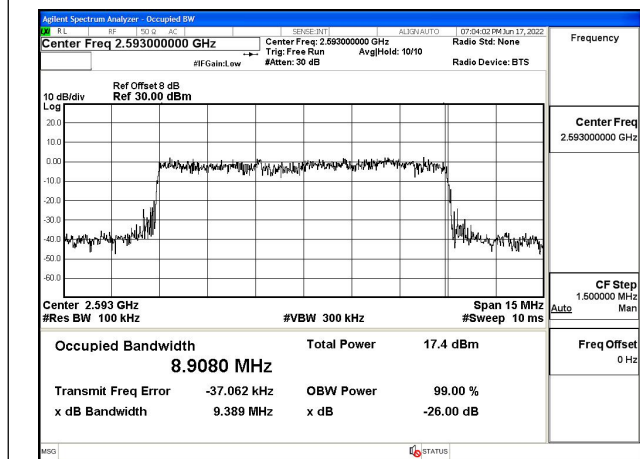


Fig.17

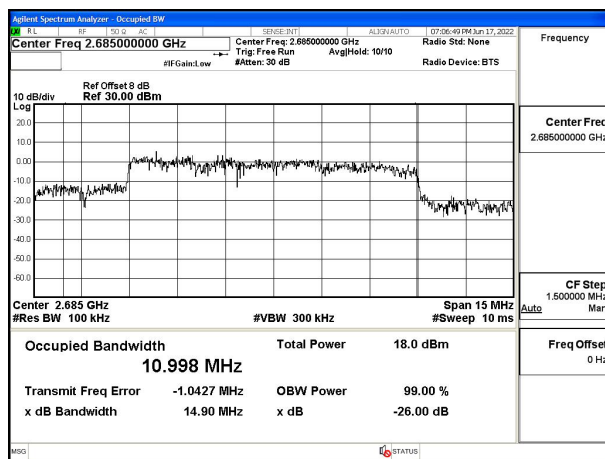


Fig.18

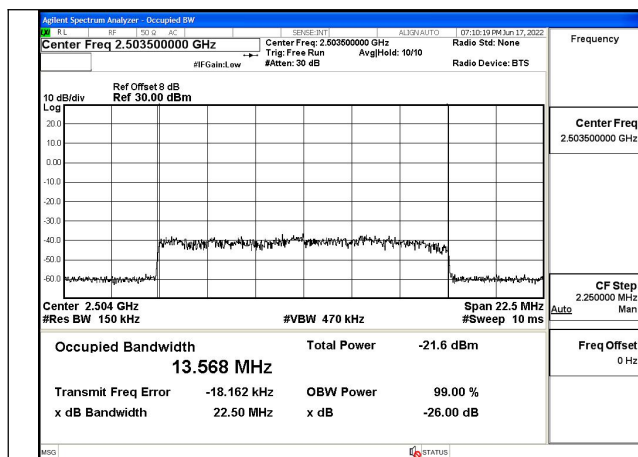


Fig.19

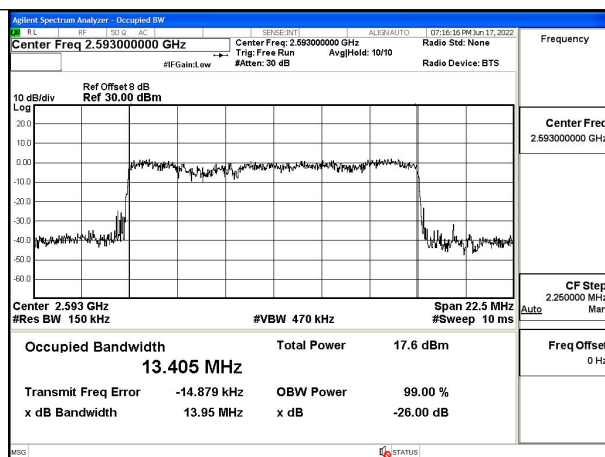


Fig.20

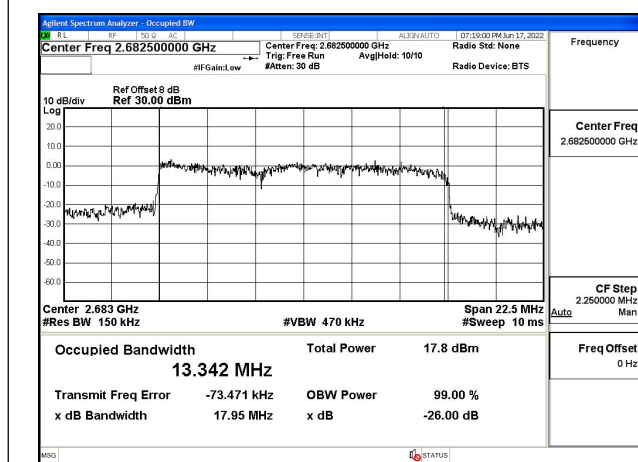


Fig.21

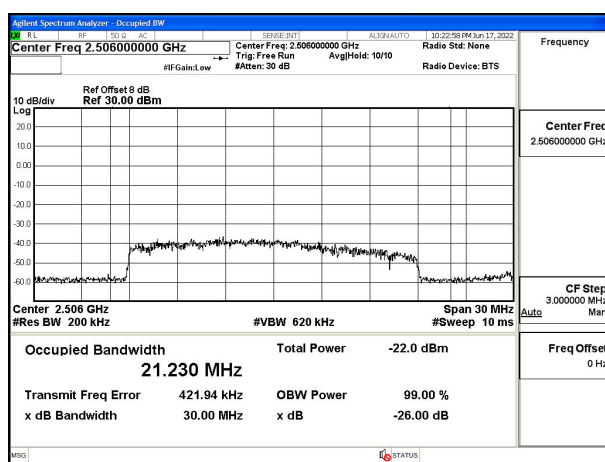


Fig.22

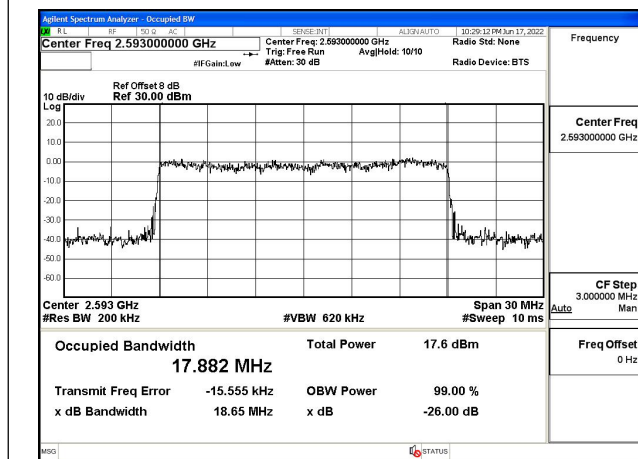


Fig.23

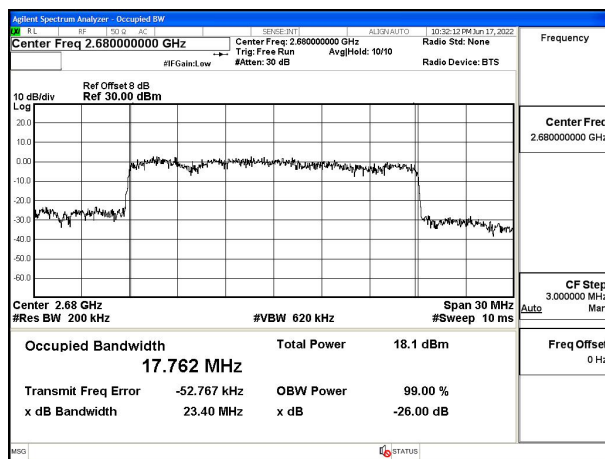


Fig.24

Test Mode: 64QAM

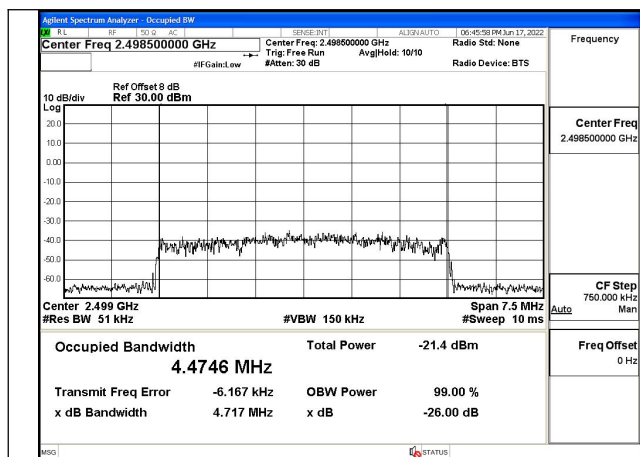


Fig.25

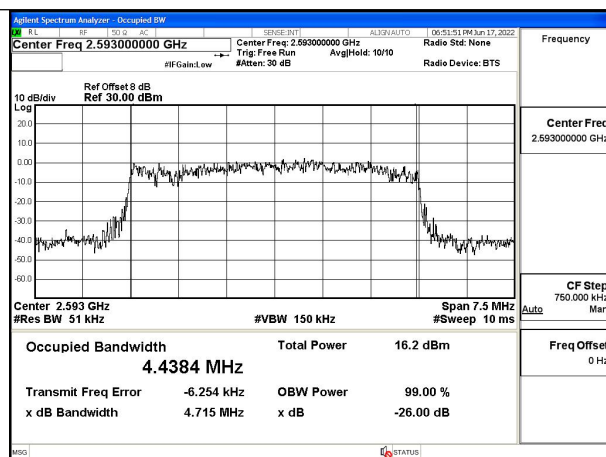


Fig.26

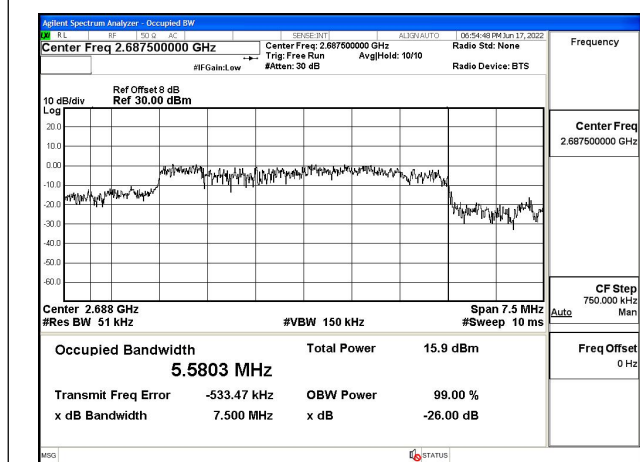


Fig.27

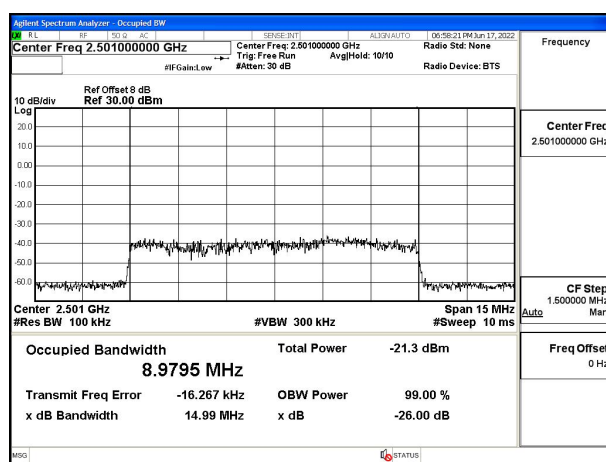


Fig.28

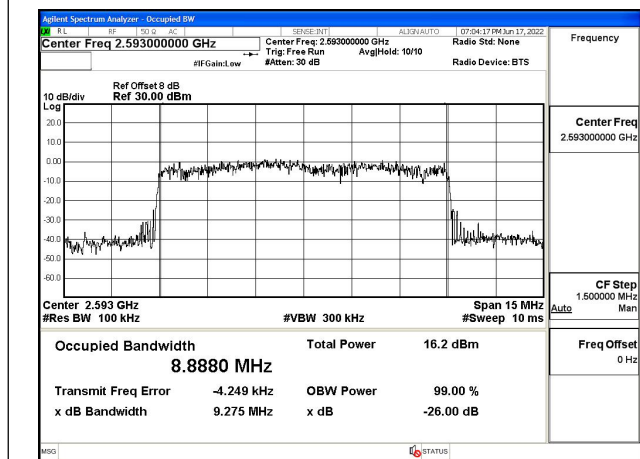


Fig.29

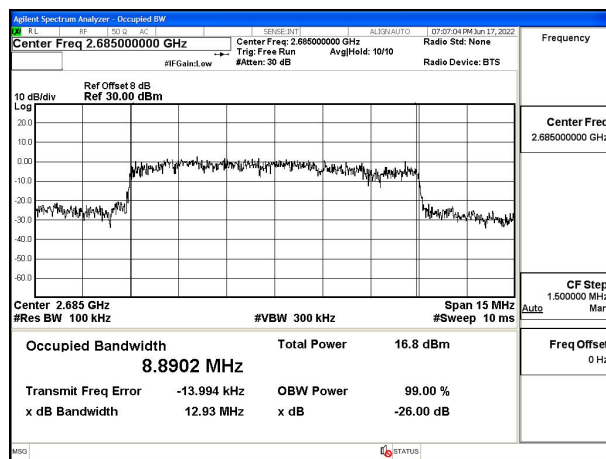


Fig.30

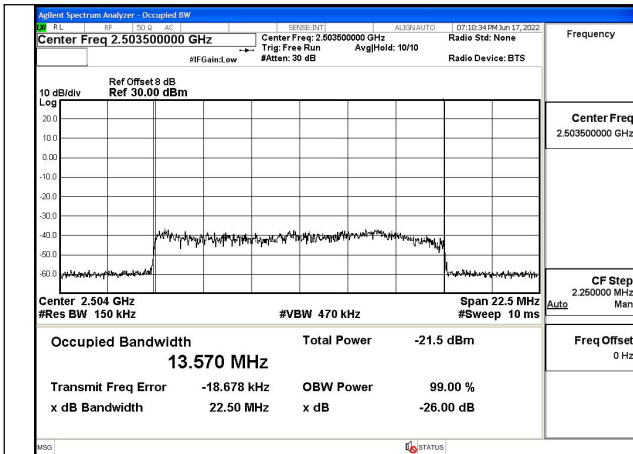


Fig.31

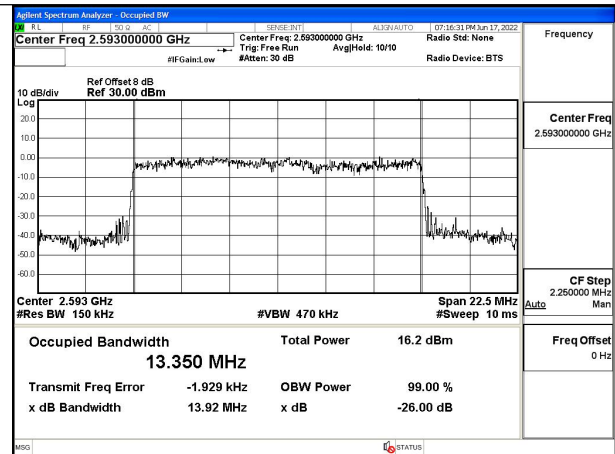


Fig.32

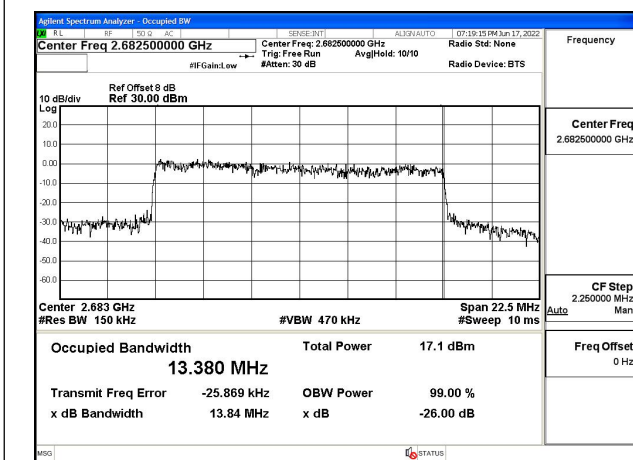


Fig.33

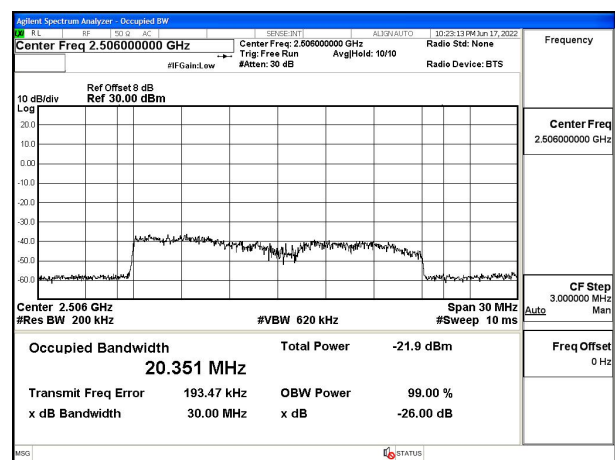


Fig.34

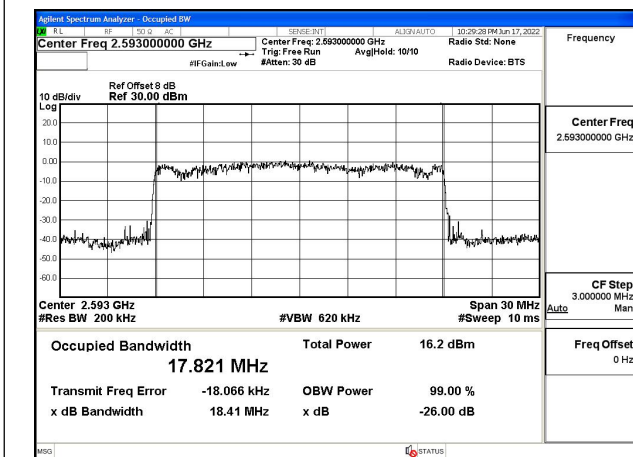


Fig.35

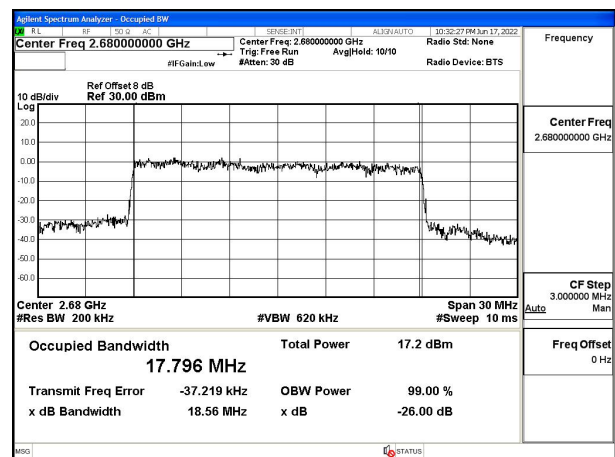


Fig.36