

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 4

1 RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1710.7	19957	1.4	1	0	22.65
QPSK	1710.7	19957	1.4	1	3	22.88
QPSK	1710.7	19957	1.4	1	5	22.88
QPSK	1710.7	19957	1.4	3	0	22.82
QPSK	1710.7	19957	1.4	3	1	22.81
QPSK	1710.7	19957	1.4	3	3	22.85
QPSK	1710.7	19957	1.4	6	0	21.87
QPSK	1732.5	20175	1.4	1	0	22.67
QPSK	1732.5	20175	1.4	1	3	22.85
QPSK	1732.5	20175	1.4	1	5	22.92
QPSK	1732.5	20175	1.4	3	0	22.94
QPSK	1732.5	20175	1.4	3	1	23.09
QPSK	1732.5	20175	1.4	3	3	22.84
QPSK	1732.5	20175	1.4	6	0	21.83
QPSK	1754.3	20393	1.4	1	0	22.86
QPSK	1754.3	20393	1.4	1	3	22.68
QPSK	1754.3	20393	1.4	1	5	22.74
QPSK	1754.3	20393	1.4	3	0	22.81
QPSK	1754.3	20393	1.4	3	1	22.78
QPSK	1754.3	20393	1.4	3	3	22.85
QPSK	1754.3	20393	1.4	6	0	21.80

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	1710.7	19957	1.4	1	0	22.40
16QAM	1710.7	19957	1.4	1	3	22.46
16QAM	1710.7	19957	1.4	1	5	22.06
16QAM	1710.7	19957	1.4	3	0	21.78
16QAM	1710.7	19957	1.4	3	1	21.87
16QAM	1710.7	19957	1.4	3	3	21.97
16QAM	1710.7	19957	1.4	6	0	21.03
16QAM	1732.5	20175	1.4	1	0	21.98
16QAM	1732.5	20175	1.4	1	3	22.38
16QAM	1732.5	20175	1.4	1	5	21.59
16QAM	1732.5	20175	1.4	3	0	22.13
16QAM	1732.5	20175	1.4	3	1	22.16
16QAM	1732.5	20175	1.4	3	3	21.98
16QAM	1732.5	20175	1.4	6	0	20.73
16QAM	1754.3	20393	1.4	1	0	21.94
16QAM	1754.3	20393	1.4	1	3	22.16
16QAM	1754.3	20393	1.4	1	5	22.18
16QAM	1754.3	20393	1.4	3	0	21.71
16QAM	1754.3	20393	1.4	3	1	21.82
16QAM	1754.3	20393	1.4	3	3	22.00
16QAM	1754.3	20393	1.4	6	0	20.77
64QAM	1710.7	19957	1.4	1	0	22.11
64QAM	1710.7	19957	1.4	1	3	21.95
64QAM	1710.7	19957	1.4	1	5	21.88
64QAM	1710.7	19957	1.4	3	0	22.06
64QAM	1710.7	19957	1.4	3	1	21.91
64QAM	1710.7	19957	1.4	3	3	22.04
64QAM	1710.7	19957	1.4	6	0	20.94
64QAM	1732.5	20175	1.4	1	0	22.00
64QAM	1732.5	20175	1.4	1	3	22.20
64QAM	1732.5	20175	1.4	1	5	21.76
64QAM	1732.5	20175	1.4	3	0	22.02
64QAM	1732.5	20175	1.4	3	1	21.86
64QAM	1732.5	20175	1.4	3	3	21.79
64QAM	1732.5	20175	1.4	6	0	20.84
64QAM	1754.3	20393	1.4	1	0	21.74
64QAM	1754.3	20393	1.4	1	3	21.98
64QAM	1754.3	20393	1.4	1	5	21.96
64QAM	1754.3	20393	1.4	3	0	21.67
64QAM	1754.3	20393	1.4	3	1	22.04
64QAM	1754.3	20393	1.4	3	3	21.66
64QAM	1754.3	20393	1.4	6	0	20.93

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1711.5	19965	3	1	0	22.59
QPSK	1711.5	19965	3	1	8	22.62
QPSK	1711.5	19965	3	1	14	22.43
QPSK	1711.5	19965	3	8	0	21.64
QPSK	1711.5	19965	3	8	4	21.65
QPSK	1711.5	19965	3	8	7	21.60
QPSK	1711.5	19965	3	15	0	21.61
QPSK	1732.5	20175	3	1	0	22.31
QPSK	1732.5	20175	3	1	8	22.41
QPSK	1732.5	20175	3	1	14	22.44
QPSK	1732.5	20175	3	8	0	21.48
QPSK	1732.5	20175	3	8	4	21.61
QPSK	1732.5	20175	3	8	7	21.68
QPSK	1732.5	20175	3	15	0	21.59
QPSK	1753.5	20385	3	1	0	22.52
QPSK	1753.5	20385	3	1	8	22.69
QPSK	1753.5	20385	3	1	14	22.78
QPSK	1753.5	20385	3	8	0	21.62
QPSK	1753.5	20385	3	8	4	21.56
QPSK	1753.5	20385	3	8	7	21.70
QPSK	1753.5	20385	3	15	0	21.62

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	1711.5	19965	3	1	0	22.13
16QAM	1711.5	19965	3	1	8	22.14
16QAM	1711.5	19965	3	1	14	21.80
16QAM	1711.5	19965	3	8	0	20.86
16QAM	1711.5	19965	3	8	4	20.79
16QAM	1711.5	19965	3	8	7	20.56
16QAM	1711.5	19965	3	15	0	20.80
16QAM	1732.5	20175	3	1	0	21.87
16QAM	1732.5	20175	3	1	8	21.92
16QAM	1732.5	20175	3	1	14	21.77
16QAM	1732.5	20175	3	8	0	20.60
16QAM	1732.5	20175	3	8	4	20.75
16QAM	1732.5	20175	3	8	7	20.65
16QAM	1732.5	20175	3	15	0	20.68
16QAM	1753.5	20385	3	1	0	22.02
16QAM	1753.5	20385	3	1	8	22.03
16QAM	1753.5	20385	3	1	14	22.16
16QAM	1753.5	20385	3	8	0	20.66
16QAM	1753.5	20385	3	8	4	20.69
16QAM	1753.5	20385	3	8	7	21.00
16QAM	1753.5	20385	3	15	0	20.66
64QAM	1711.5	19965	3	1	0	21.42
64QAM	1711.5	19965	3	1	8	22.00
64QAM	1711.5	19965	3	1	14	21.83
64QAM	1711.5	19965	3	8	0	20.70
64QAM	1711.5	19965	3	8	4	20.86
64QAM	1711.5	19965	3	8	7	20.76
64QAM	1711.5	19965	3	15	0	20.69
64QAM	1732.5	20175	3	1	0	21.46
64QAM	1732.5	20175	3	1	8	22.02
64QAM	1732.5	20175	3	1	14	21.66
64QAM	1732.5	20175	3	8	0	20.55
64QAM	1732.5	20175	3	8	4	20.69
64QAM	1732.5	20175	3	8	7	20.53
64QAM	1732.5	20175	3	15	0	20.73
64QAM	1753.5	20385	3	1	0	21.90
64QAM	1753.5	20385	3	1	8	22.03
64QAM	1753.5	20385	3	1	14	21.67
64QAM	1753.5	20385	3	8	0	20.51
64QAM	1753.5	20385	3	8	4	20.73
64QAM	1753.5	20385	3	8	7	20.83
64QAM	1753.5	20385	3	15	0	20.63

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1712.5	19975	5	1	0	22.63
QPSK	1712.5	19975	5	1	12	22.57
QPSK	1712.5	19975	5	1	24	22.59
QPSK	1712.5	19975	5	12	0	21.74
QPSK	1712.5	19975	5	12	7	21.76
QPSK	1712.5	19975	5	12	13	21.67
QPSK	1712.5	19975	5	25	0	21.65
QPSK	1732.5	20175	5	1	0	22.65
QPSK	1732.5	20175	5	1	12	22.59
QPSK	1732.5	20175	5	1	24	22.44
QPSK	1732.5	20175	5	12	0	21.61
QPSK	1732.5	20175	5	12	7	21.63
QPSK	1732.5	20175	5	12	13	21.63
QPSK	1732.5	20175	5	25	0	21.63
QPSK	1752.5	20375	5	1	0	22.71
QPSK	1752.5	20375	5	1	12	22.80
QPSK	1752.5	20375	5	1	24	22.43
QPSK	1752.5	20375	5	12	0	21.62
QPSK	1752.5	20375	5	12	7	21.65
QPSK	1752.5	20375	5	12	13	21.65
QPSK	1752.5	20375	5	25	0	21.60

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	1712.5	19975	5	1	0	21.69
16QAM	1712.5	19975	5	1	12	22.21
16QAM	1712.5	19975	5	1	24	21.96
16QAM	1712.5	19975	5	12	0	20.82
16QAM	1712.5	19975	5	12	7	20.77
16QAM	1712.5	19975	5	12	13	20.81
16QAM	1712.5	19975	5	25	0	20.79
16QAM	1732.5	20175	5	1	0	22.13
16QAM	1732.5	20175	5	1	12	21.92
16QAM	1732.5	20175	5	1	24	21.73
16QAM	1732.5	20175	5	12	0	20.45
16QAM	1732.5	20175	5	12	7	20.61
16QAM	1732.5	20175	5	12	13	20.70
16QAM	1732.5	20175	5	25	0	20.69
16QAM	1752.5	20375	5	1	0	21.90
16QAM	1752.5	20375	5	1	12	21.85
16QAM	1752.5	20375	5	1	24	22.23
16QAM	1752.5	20375	5	12	0	20.47
16QAM	1752.5	20375	5	12	7	20.68
16QAM	1752.5	20375	5	12	13	20.84
16QAM	1752.5	20375	5	25	0	20.62
64QAM	1712.5	19975	5	1	0	21.62
64QAM	1712.5	19975	5	1	12	21.68
64QAM	1712.5	19975	5	1	24	21.75
64QAM	1712.5	19975	5	12	0	20.77
64QAM	1712.5	19975	5	12	7	20.73
64QAM	1712.5	19975	5	12	13	20.68
64QAM	1712.5	19975	5	25	0	20.67
64QAM	1732.5	20175	5	1	0	21.78
64QAM	1732.5	20175	5	1	12	21.76
64QAM	1732.5	20175	5	1	24	22.01
64QAM	1732.5	20175	5	12	0	20.69
64QAM	1732.5	20175	5	12	7	20.69
64QAM	1732.5	20175	5	12	13	20.56
64QAM	1732.5	20175	5	25	0	20.71
64QAM	1752.5	20375	5	1	0	21.75
64QAM	1752.5	20375	5	1	12	21.75
64QAM	1752.5	20375	5	1	24	21.56
64QAM	1752.5	20375	5	12	0	20.61
64QAM	1752.5	20375	5	12	7	20.62
64QAM	1752.5	20375	5	12	13	20.90
64QAM	1752.5	20375	5	25	0	20.58

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1715	20000	10	1	0	22.70
QPSK	1715	20000	10	1	25	22.68
QPSK	1715	20000	10	1	49	22.68
QPSK	1715	20000	10	25	0	21.65
QPSK	1715	20000	10	25	12	21.78
QPSK	1715	20000	10	25	25	21.71
QPSK	1715	20000	10	50	0	21.77
QPSK	1732.5	20175	10	1	0	22.65
QPSK	1732.5	20175	10	1	25	22.76
QPSK	1732.5	20175	10	1	49	22.55
QPSK	1732.5	20175	10	25	0	21.60
QPSK	1732.5	20175	10	25	12	21.55
QPSK	1732.5	20175	10	25	25	21.71
QPSK	1732.5	20175	10	50	0	21.62
QPSK	1750	20350	10	1	0	22.75
QPSK	1750	20350	10	1	25	22.53
QPSK	1750	20350	10	1	49	22.72
QPSK	1750	20350	10	25	0	21.54
QPSK	1750	20350	10	25	12	21.67
QPSK	1750	20350	10	25	25	21.73
QPSK	1750	20350	10	50	0	21.63

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	1715	20000	10	1	0	22.40
16QAM	1715	20000	10	1	25	22.26
16QAM	1715	20000	10	1	49	21.91
16QAM	1715	20000	10	25	0	20.77
16QAM	1715	20000	10	25	12	20.83
16QAM	1715	20000	10	25	25	20.66
16QAM	1715	20000	10	50	0	20.77
16QAM	1732.5	20175	10	1	0	21.77
16QAM	1732.5	20175	10	1	25	21.73
16QAM	1732.5	20175	10	1	49	21.99
16QAM	1732.5	20175	10	25	0	20.52
16QAM	1732.5	20175	10	25	12	20.60
16QAM	1732.5	20175	10	25	25	20.62
16QAM	1732.5	20175	10	50	0	20.69
16QAM	1750	20350	10	1	0	22.27
16QAM	1750	20350	10	1	25	21.81
16QAM	1750	20350	10	1	49	22.07
16QAM	1750	20350	10	25	0	20.62
16QAM	1750	20350	10	25	12	20.65
16QAM	1750	20350	10	25	25	20.79
16QAM	1750	20350	10	50	0	20.56
64QAM	1715	20000	10	1	0	21.63
64QAM	1715	20000	10	1	25	21.93
64QAM	1715	20000	10	1	49	21.95
64QAM	1715	20000	10	25	0	20.60
64QAM	1715	20000	10	25	12	20.77
64QAM	1715	20000	10	25	25	20.62
64QAM	1715	20000	10	50	0	20.66
64QAM	1732.5	20175	10	1	0	21.61
64QAM	1732.5	20175	10	1	25	22.09
64QAM	1732.5	20175	10	1	49	21.80
64QAM	1732.5	20175	10	25	0	20.56
64QAM	1732.5	20175	10	25	12	20.59
64QAM	1732.5	20175	10	25	25	20.58
64QAM	1732.5	20175	10	50	0	20.69
64QAM	1750	20350	10	1	0	22.21
64QAM	1750	20350	10	1	25	21.49
64QAM	1750	20350	10	1	49	21.44
64QAM	1750	20350	10	25	0	20.63
64QAM	1750	20350	10	25	12	20.57
64QAM	1750	20350	10	25	25	20.67
64QAM	1750	20350	10	50	0	20.62

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1717.5	20025	15	1	0	22.76
QPSK	1717.5	20025	15	1	37	22.80
QPSK	1717.5	20025	15	1	74	22.77
QPSK	1717.5	20025	15	36	0	21.50
QPSK	1717.5	20025	15	36	29	21.55
QPSK	1717.5	20025	15	36	30	21.49
QPSK	1717.5	20025	15	75	0	21.46
QPSK	1732.5	20175	15	1	0	22.68
QPSK	1732.5	20175	15	1	37	22.85
QPSK	1732.5	20175	15	1	74	22.41
QPSK	1732.5	20175	15	36	0	21.39
QPSK	1732.5	20175	15	36	29	21.55
QPSK	1732.5	20175	15	36	30	21.42
QPSK	1732.5	20175	15	75	0	21.46
QPSK	1747.5	20325	15	1	0	22.24
QPSK	1747.5	20325	15	1	37	22.78
QPSK	1747.5	20325	15	1	74	22.55
QPSK	1747.5	20325	15	36	0	21.38
QPSK	1747.5	20325	15	36	29	21.44
QPSK	1747.5	20325	15	36	30	21.59
QPSK	1747.5	20325	15	75	0	21.43

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	1717.5	20025	15	1	0	21.60
16QAM	1717.5	20025	15	1	37	21.73
16QAM	1717.5	20025	15	1	74	21.79
16QAM	1717.5	20025	15	36	0	20.49
16QAM	1717.5	20025	15	36	29	20.48
16QAM	1717.5	20025	15	36	30	20.52
16QAM	1717.5	20025	15	75	0	20.51
16QAM	1732.5	20175	15	1	0	21.48
16QAM	1732.5	20175	15	1	37	21.75
16QAM	1732.5	20175	15	1	74	21.81
16QAM	1732.5	20175	15	36	0	20.34
16QAM	1732.5	20175	15	36	29	20.51
16QAM	1732.5	20175	15	36	30	20.64
16QAM	1732.5	20175	15	75	0	20.55
16QAM	1747.5	20325	15	1	0	21.67
16QAM	1747.5	20325	15	1	37	22.13
16QAM	1747.5	20325	15	1	74	21.54
16QAM	1747.5	20325	15	36	0	20.48
16QAM	1747.5	20325	15	36	29	20.56
16QAM	1747.5	20325	15	36	30	20.62
16QAM	1747.5	20325	15	75	0	20.35
64QAM	1717.5	20025	15	1	0	21.36
64QAM	1717.5	20025	15	1	37	21.27
64QAM	1717.5	20025	15	1	74	21.52
64QAM	1717.5	20025	15	36	0	20.54
64QAM	1717.5	20025	15	36	29	20.57
64QAM	1717.5	20025	15	36	30	20.54
64QAM	1717.5	20025	15	75	0	20.50
64QAM	1732.5	20175	15	1	0	21.40
64QAM	1732.5	20175	15	1	37	21.53
64QAM	1732.5	20175	15	1	74	21.87
64QAM	1732.5	20175	15	36	0	20.51
64QAM	1732.5	20175	15	36	29	20.42
64QAM	1732.5	20175	15	36	30	20.54
64QAM	1732.5	20175	15	75	0	20.44
64QAM	1747.5	20325	15	1	0	21.69
64QAM	1747.5	20325	15	1	37	21.62
64QAM	1747.5	20325	15	1	74	21.76
64QAM	1747.5	20325	15	36	0	20.34
64QAM	1747.5	20325	15	36	29	20.62
64QAM	1747.5	20325	15	36	30	20.63
64QAM	1747.5	20325	15	75	0	20.50

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1720	20050	20	1	0	22.45
QPSK	1720	20050	20	1	49	22.86
QPSK	1720	20050	20	1	99	22.77
QPSK	1720	20050	20	50	0	21.46
QPSK	1720	20050	20	50	24	21.58
QPSK	1720	20050	20	50	50	21.46
QPSK	1720	20050	20	100	0	21.47
QPSK	1732.5	20175	20	1	0	22.71
QPSK	1732.5	20175	20	1	49	22.37
QPSK	1732.5	20175	20	1	99	22.82
QPSK	1732.5	20175	20	50	0	21.42
QPSK	1732.5	20175	20	50	24	21.39
QPSK	1732.5	20175	20	50	50	21.52
QPSK	1732.5	20175	20	100	0	21.52
QPSK	1745	20300	20	1	0	22.97
QPSK	1745	20300	20	1	49	22.54
QPSK	1745	20300	20	1	99	22.72
QPSK	1745	20300	20	50	0	21.46
QPSK	1745	20300	20	50	24	21.47
QPSK	1745	20300	20	50	50	21.63
QPSK	1745	20300	20	100	0	21.47

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	1720	20050	20	1	0	21.60
16QAM	1720	20050	20	1	49	22.13
16QAM	1720	20050	20	1	99	22.11
16QAM	1720	20050	20	50	0	20.50
16QAM	1720	20050	20	50	24	20.52
16QAM	1720	20050	20	50	50	20.47
16QAM	1720	20050	20	100	0	20.59
16QAM	1732.5	20175	20	1	0	21.67
16QAM	1732.5	20175	20	1	49	21.60
16QAM	1732.5	20175	20	1	99	21.71
16QAM	1732.5	20175	20	50	0	20.32
16QAM	1732.5	20175	20	50	24	20.46
16QAM	1732.5	20175	20	50	50	20.40
16QAM	1732.5	20175	20	100	0	20.47
16QAM	1745	20300	20	1	0	21.75
16QAM	1745	20300	20	1	49	21.66
16QAM	1745	20300	20	1	99	21.92
16QAM	1745	20300	20	50	0	20.45
16QAM	1745	20300	20	50	24	20.51
16QAM	1745	20300	20	50	50	20.71
16QAM	1745	20300	20	100	0	20.49
64QAM	1720	20050	20	1	0	21.77
64QAM	1720	20050	20	1	49	21.51
64QAM	1720	20050	20	1	99	21.67
64QAM	1720	20050	20	50	0	20.45
64QAM	1720	20050	20	50	24	20.63
64QAM	1720	20050	20	50	50	20.52
64QAM	1720	20050	20	100	0	20.57
64QAM	1732.5	20175	20	1	0	21.56
64QAM	1732.5	20175	20	1	49	21.46
64QAM	1732.5	20175	20	1	99	21.84
64QAM	1732.5	20175	20	50	0	20.35
64QAM	1732.5	20175	20	50	24	20.42
64QAM	1732.5	20175	20	50	50	20.42
64QAM	1732.5	20175	20	100	0	20.46
64QAM	1745	20300	20	1	0	21.71
64QAM	1745	20300	20	1	49	21.50
64QAM	1745	20300	20	1	99	21.84
64QAM	1745	20300	20	50	0	20.39
64QAM	1745	20300	20	50	24	20.43
64QAM	1745	20300	20	50	50	20.59
64QAM	1745	20300	20	100	0	20.47

2 Occupied Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
4	QPSK	1710.7	19957	1.4	6	0	1.076	Fig.1
4	QPSK	1732.5	20175	1.4	6	0	1.075	Fig.2
4	QPSK	1754.3	20393	1.4	6	0	1.077	Fig.3
4	QPSK	1711.5	19965	3	15	0	2.673	Fig.4
4	QPSK	1732.5	20175	3	15	0	2.680	Fig.5
4	QPSK	1753.5	20385	3	15	0	2.673	Fig.6
4	QPSK	1712.5	19975	5	25	0	4.454	Fig.7
4	QPSK	1732.5	20175	5	25	0	4.461	Fig.8
4	QPSK	1752.5	20375	5	25	0	4.458	Fig.9
4	QPSK	1715	20000	10	50	0	8.930	Fig.10
4	QPSK	1732.5	20175	10	50	0	8.934	Fig.11
4	QPSK	1750	20350	10	50	0	8.916	Fig.12
4	QPSK	1717.5	20025	15	75	0	13.379	Fig.13
4	QPSK	1732.5	20175	15	75	0	13.408	Fig.14
4	QPSK	1747.5	20325	15	75	0	13.339	Fig.15
4	QPSK	1720	20050	20	100	0	17.743	Fig.16
4	QPSK	1732.5	20175	20	100	0	17.876	Fig.17
4	QPSK	1745	20300	20	100	0	17.843	Fig.18

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
4	16QAM	1710.7	19957	1.4	6	0	1.076	Fig.19
4	16QAM	1732.5	20175	1.4	6	0	1.076	Fig.20
4	16QAM	1754.3	20393	1.4	6	0	1.076	Fig.21
4	16QAM	1711.5	19965	3	15	0	2.678	Fig.22
4	16QAM	1732.5	20175	3	15	0	2.670	Fig.23
4	16QAM	1753.5	20385	3	15	0	2.668	Fig.24
4	16QAM	1712.5	19975	5	25	0	4.461	Fig.25
4	16QAM	1732.5	20175	5	25	0	4.473	Fig.26
4	16QAM	1752.5	20375	5	25	0	4.460	Fig.27
4	16QAM	1715	20000	10	50	0	8.896	Fig.28
4	16QAM	1732.5	20175	10	50	0	8.937	Fig.29
4	16QAM	1750	20350	10	50	0	8.911	Fig.30
4	16QAM	1717.5	20025	15	75	0	13.349	Fig.31
4	16QAM	1732.5	20175	15	75	0	13.383	Fig.32
4	16QAM	1747.5	20325	15	75	0	13.403	Fig.33
4	16QAM	1720	20050	20	100	0	17.884	Fig.34
4	16QAM	1732.5	20175	20	100	0	17.870	Fig.35
4	16QAM	1745	20300	20	100	0	17.858	Fig.36

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
4	64QAM	1710.7	19957	1.4	6	0	1.077	Fig.37
4	64QAM	1732.5	20175	1.4	6	0	1.072	Fig.38
4	64QAM	1754.3	20393	1.4	6	0	1.081	Fig.39
4	64QAM	1711.5	19965	3	15	0	2.680	Fig.40
4	64QAM	1732.5	20175	3	15	0	2.676	Fig.41
4	64QAM	1753.5	20385	3	15	0	2.675	Fig.42
4	64QAM	1712.5	19975	5	25	0	4.469	Fig.43
4	64QAM	1732.5	20175	5	25	0	4.463	Fig.44
4	64QAM	1752.5	20375	5	25	0	4.468	Fig.45
4	64QAM	1715	20000	10	50	0	8.887	Fig.46
4	64QAM	1732.5	20175	10	50	0	8.929	Fig.47
4	64QAM	1750	20350	10	50	0	8.934	Fig.48
4	64QAM	1717.5	20025	15	75	0	13.312	Fig.49
4	64QAM	1732.5	20175	15	75	0	13.394	Fig.50
4	64QAM	1747.5	20325	15	75	0	13.338	Fig.51
4	64QAM	1720	20050	20	100	0	17.838	Fig.52
4	64QAM	1732.5	20175	20	100	0	17.868	Fig.53
4	64QAM	1745	20300	20	100	0	17.849	Fig.54

Test Mode: QPSK

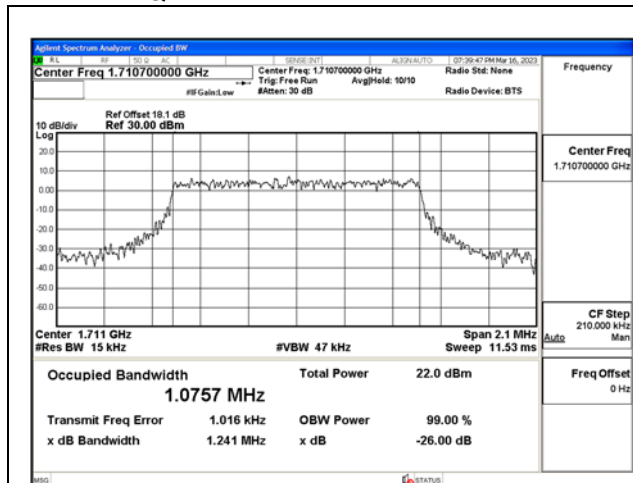


Fig.1

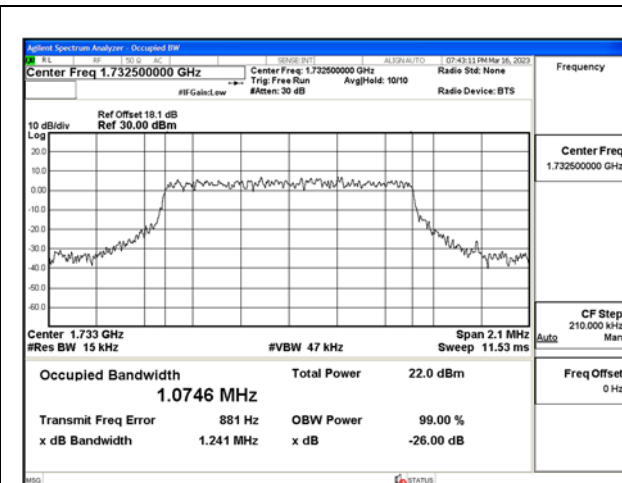


Fig.2

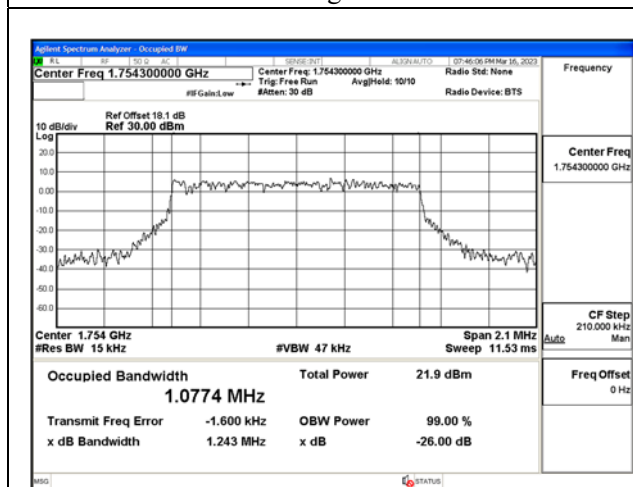


Fig.3

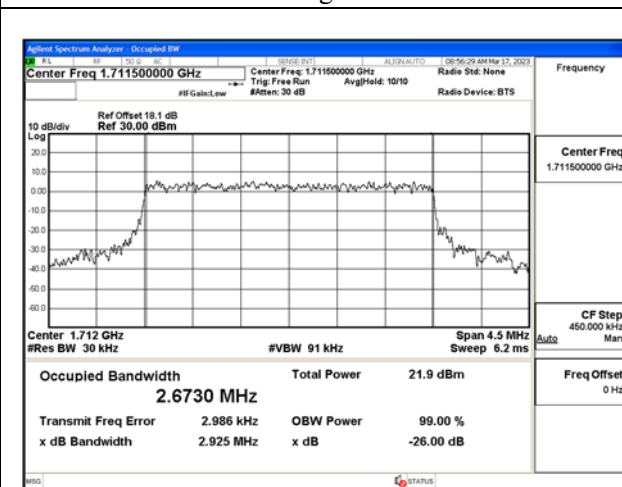


Fig.4

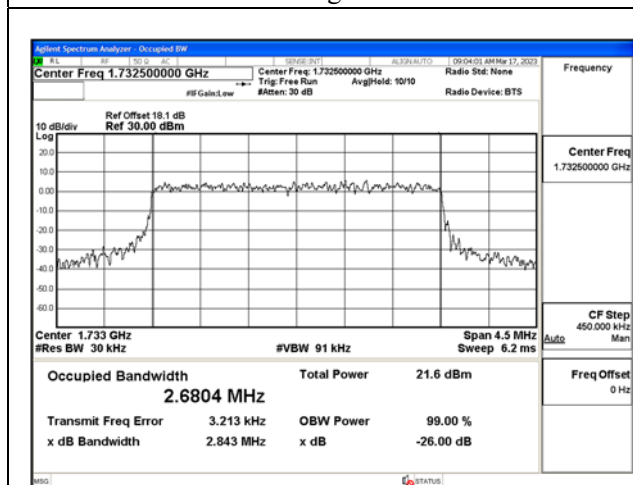


Fig.5

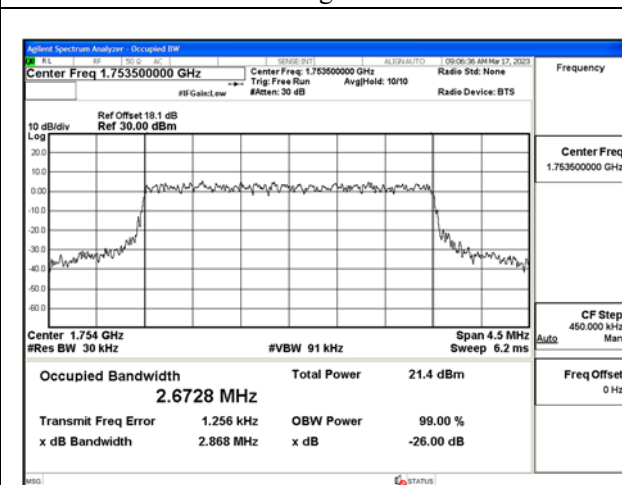


Fig.6

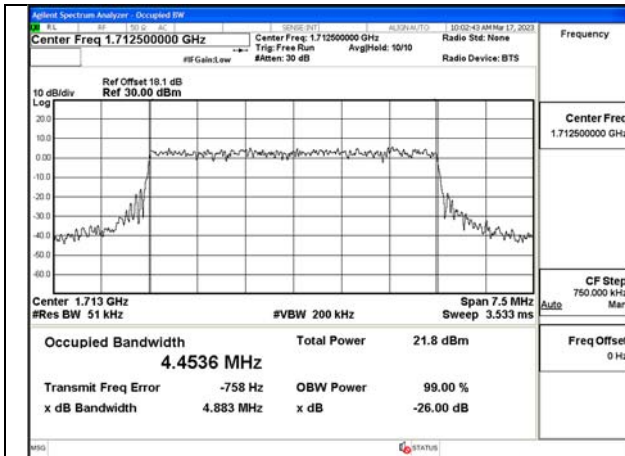


Fig.7

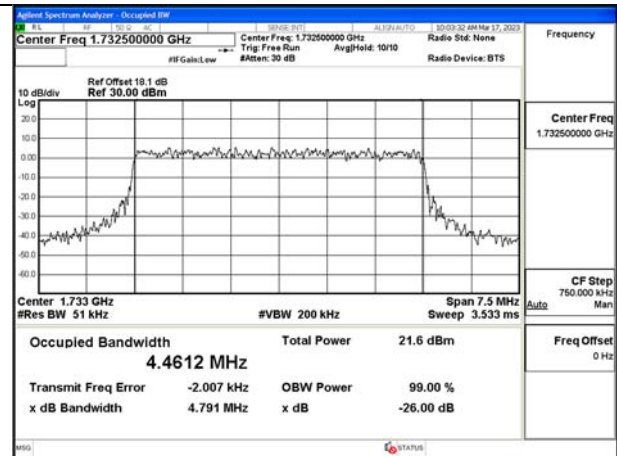


Fig.8

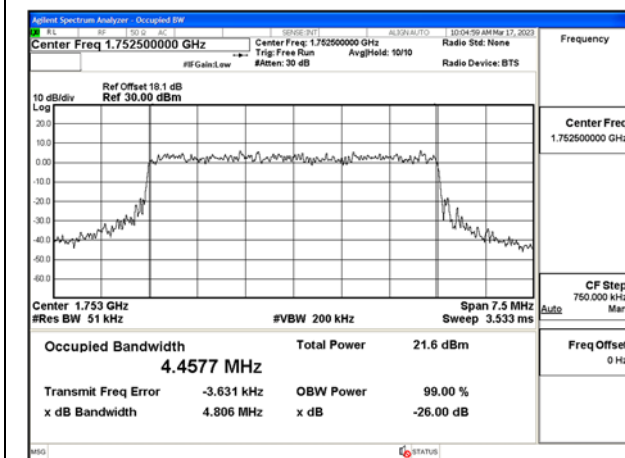


Fig.9

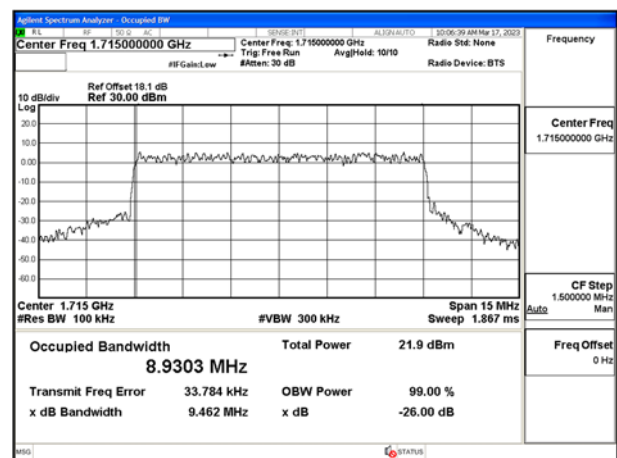


Fig.10

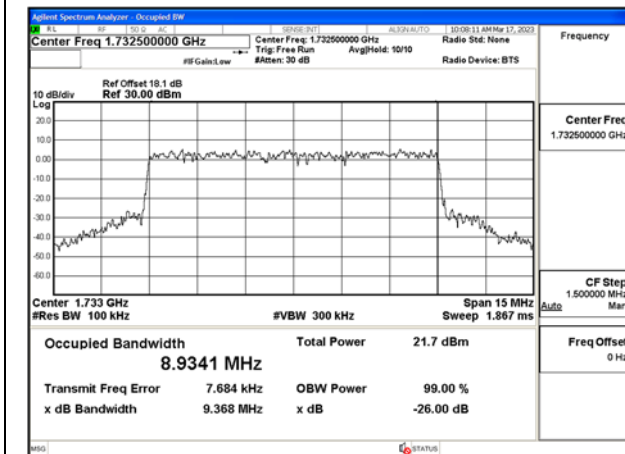


Fig.11

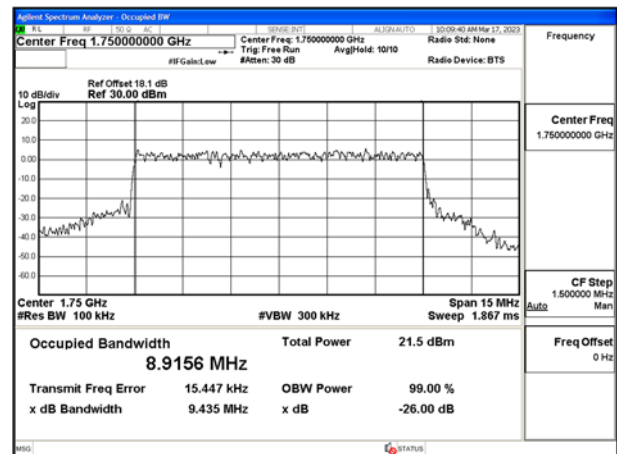


Fig.12

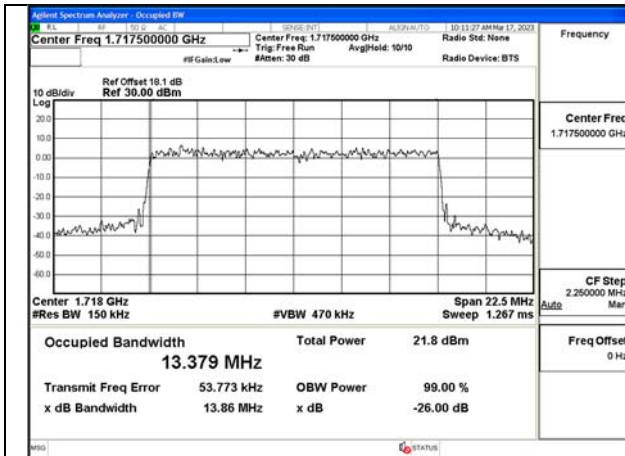


Fig.13

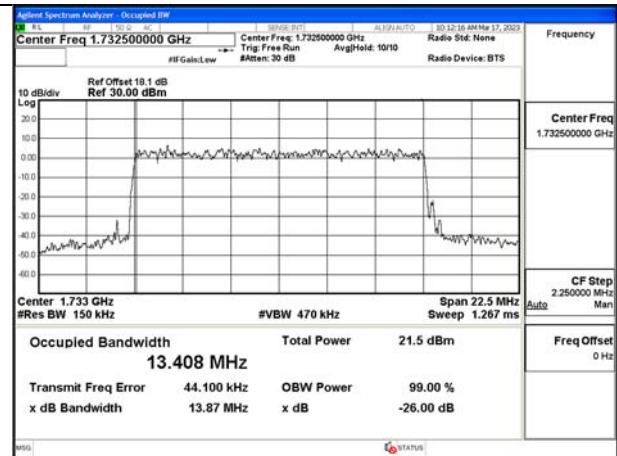


Fig.14

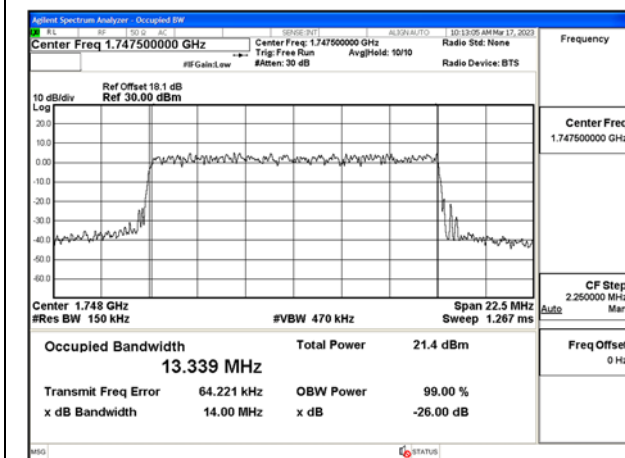


Fig.15

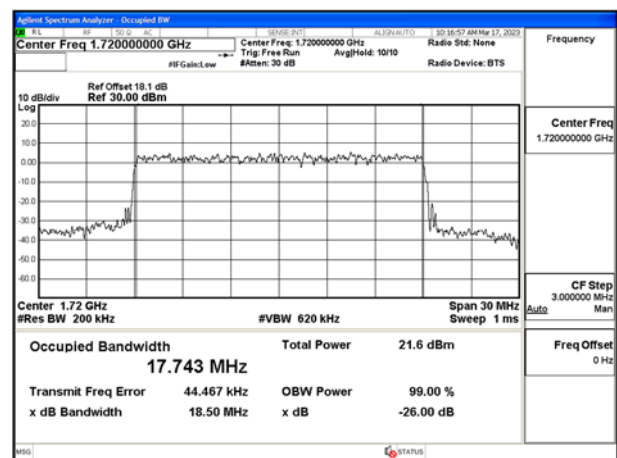


Fig.16

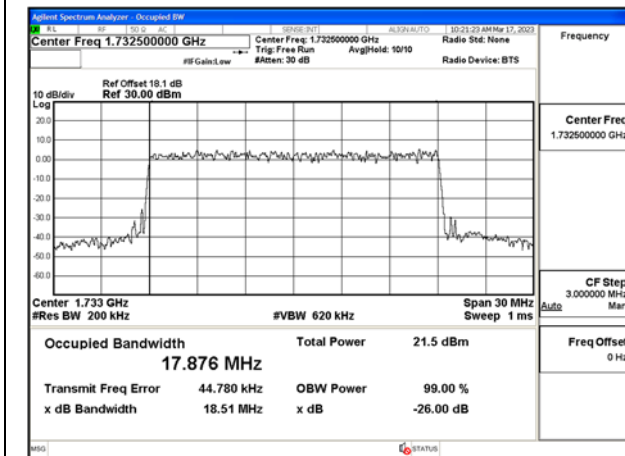


Fig.17

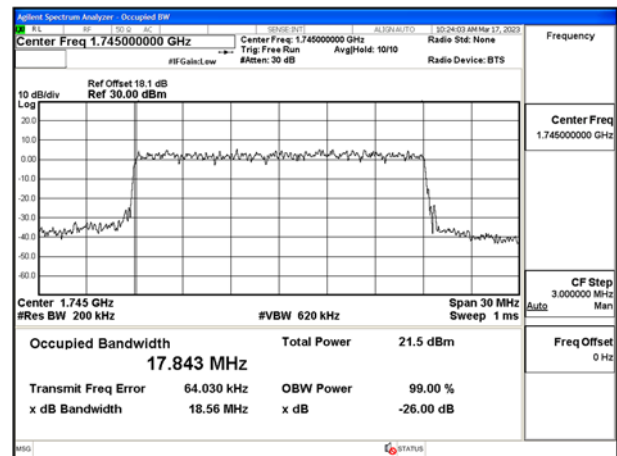


Fig.18

Test Mode: 16QAM

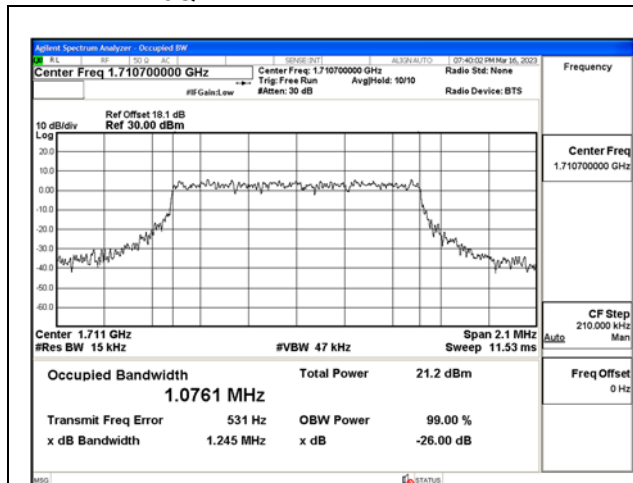


Fig.19

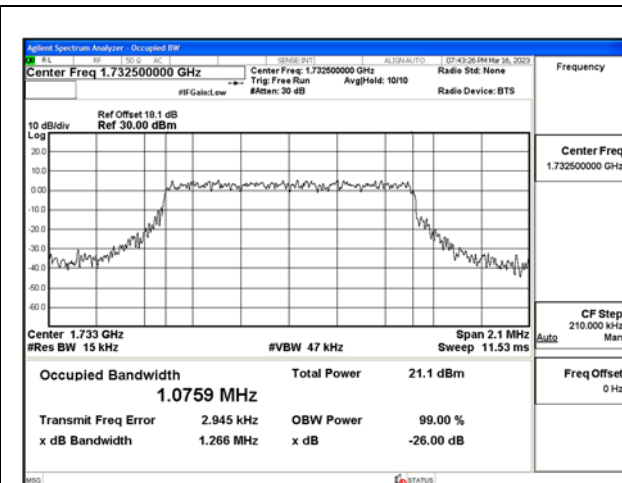


Fig.20

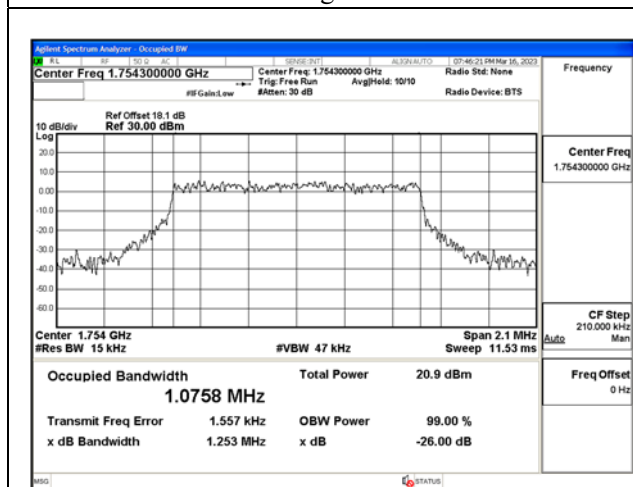


Fig.21

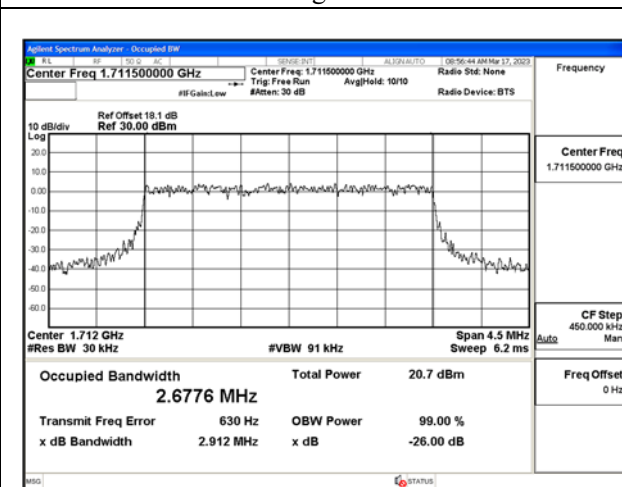


Fig.22

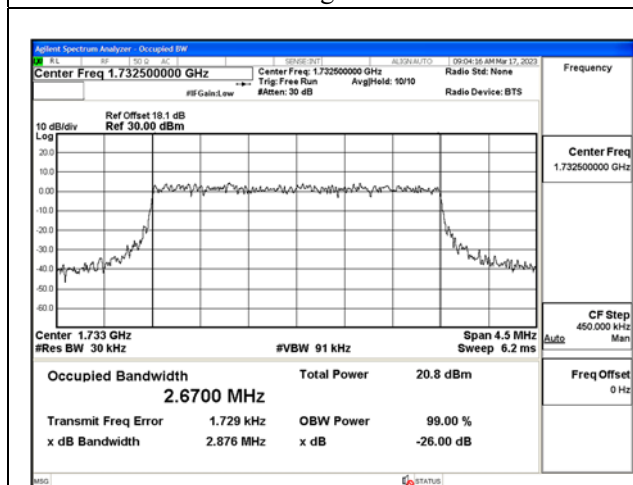


Fig.23

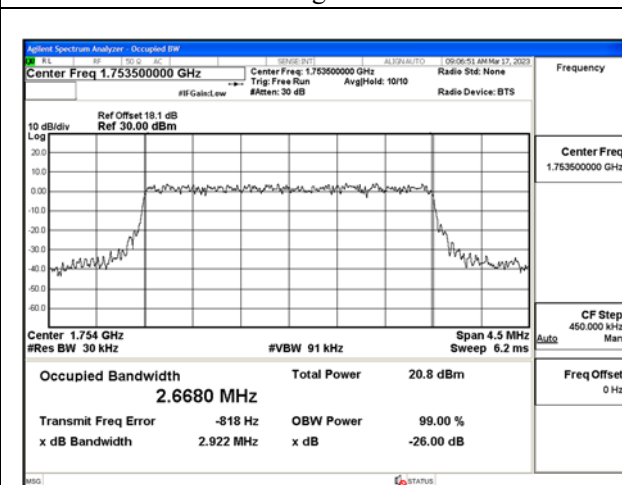


Fig.24

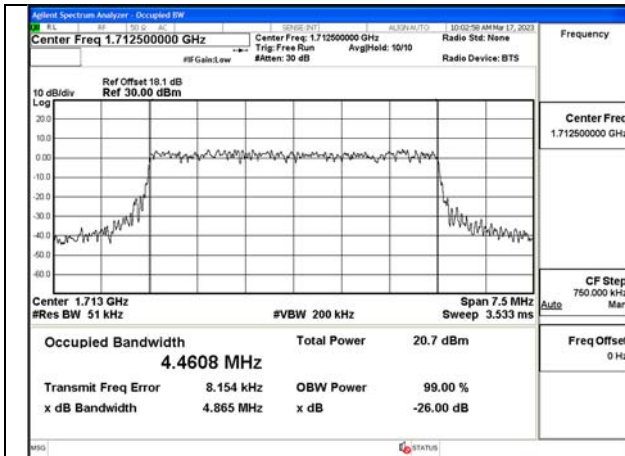


Fig.25

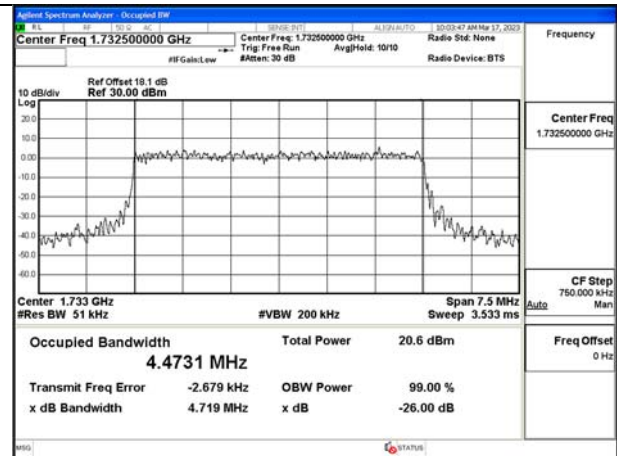


Fig.26

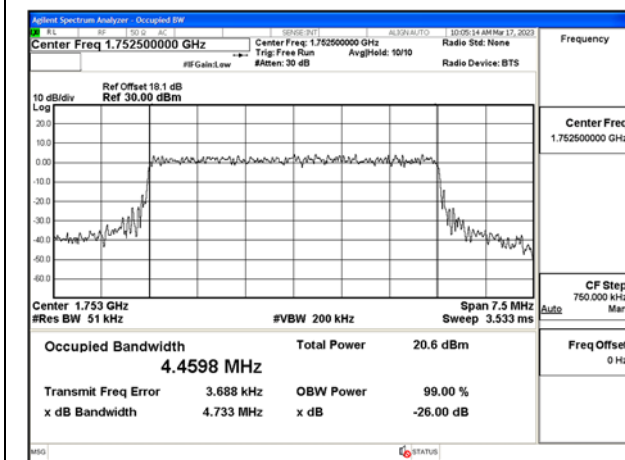


Fig.27

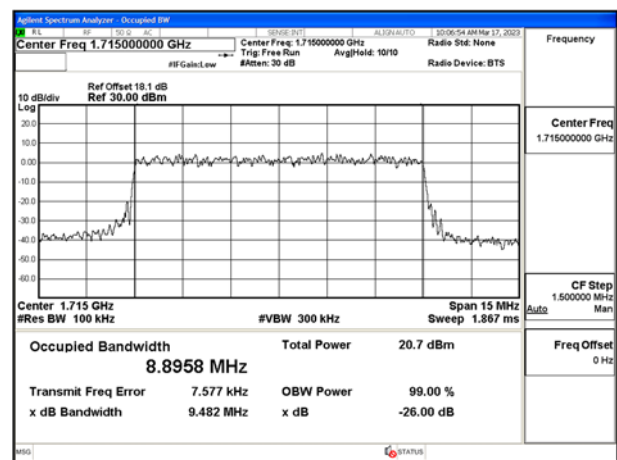


Fig.28

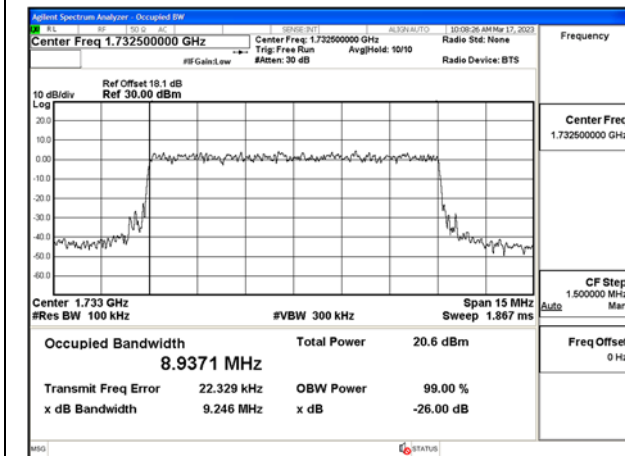


Fig.29

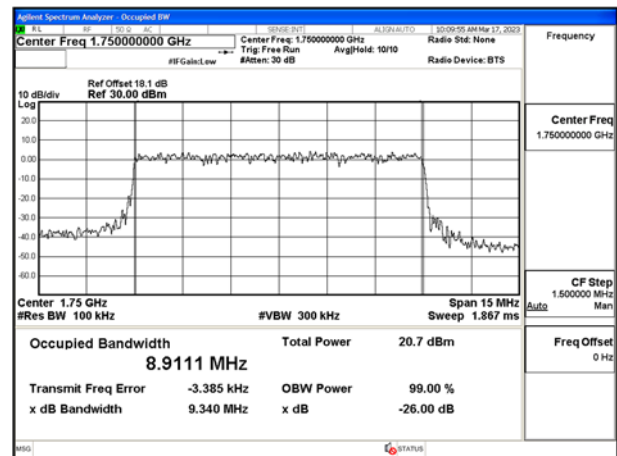


Fig.30

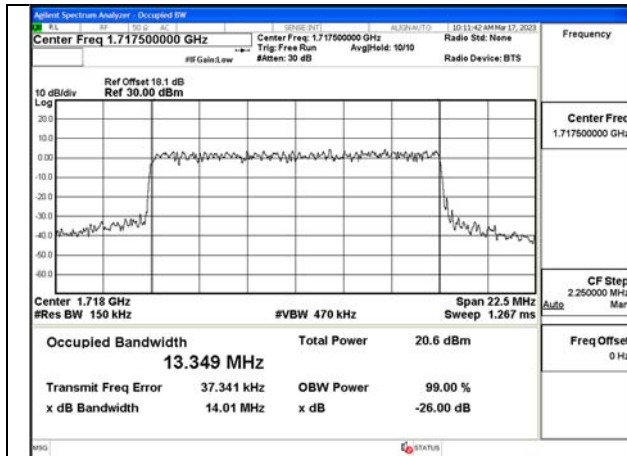


Fig.31

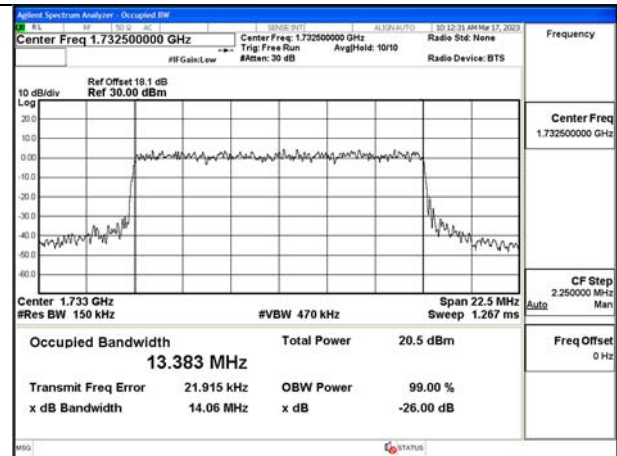


Fig.32

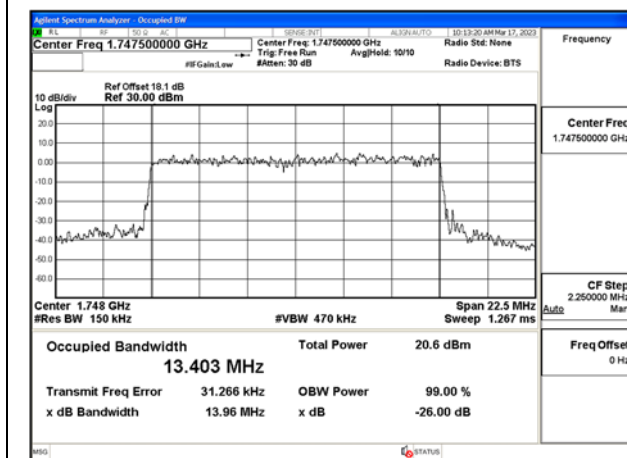


Fig.33

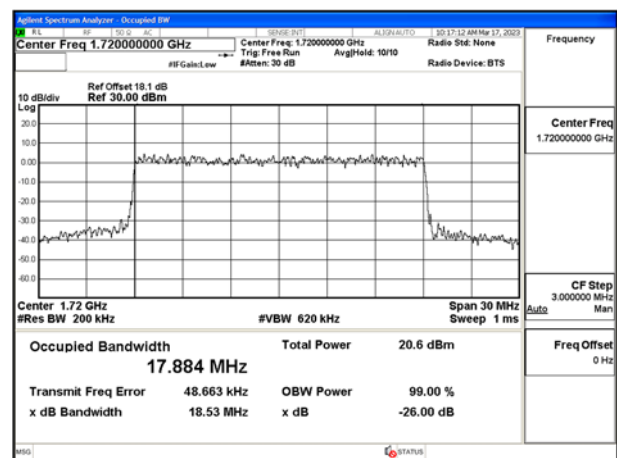


Fig.34

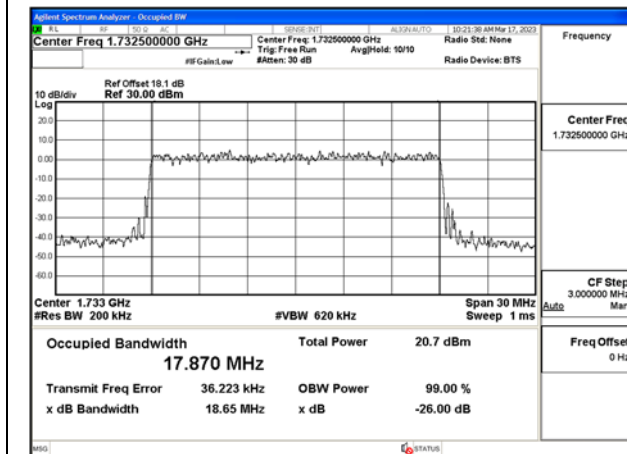


Fig.35

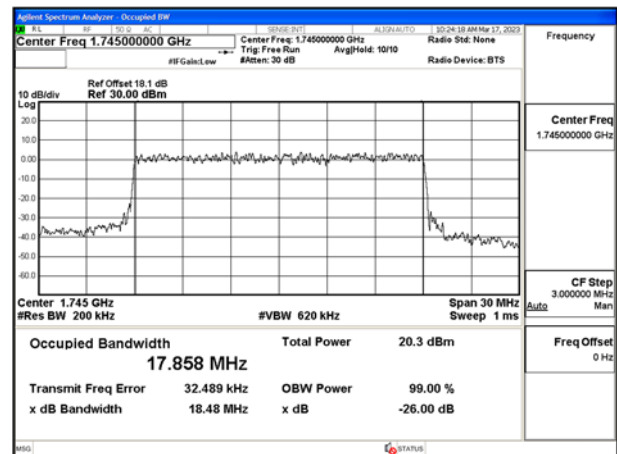


Fig.36

Test Mode: 64QAM

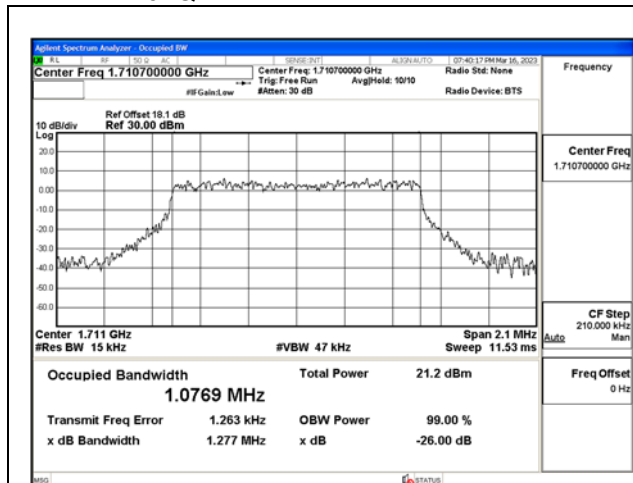


Fig.37

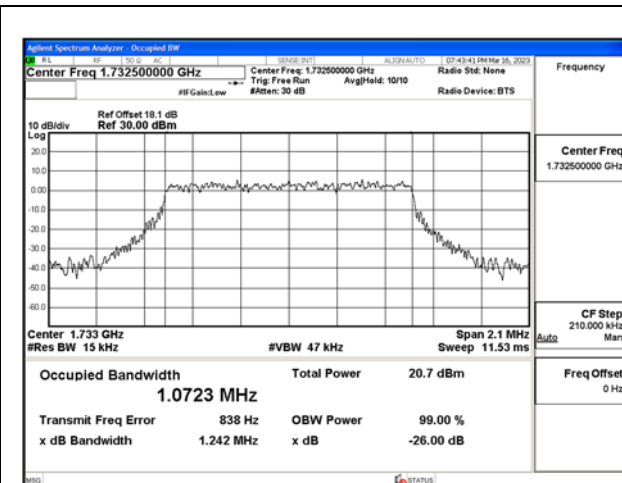


Fig.38

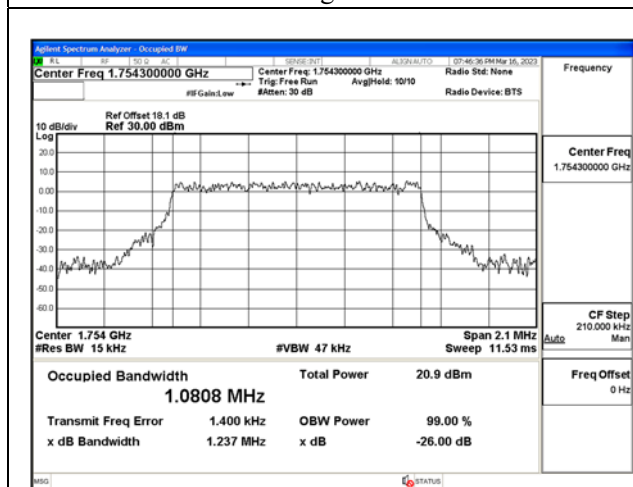


Fig.39

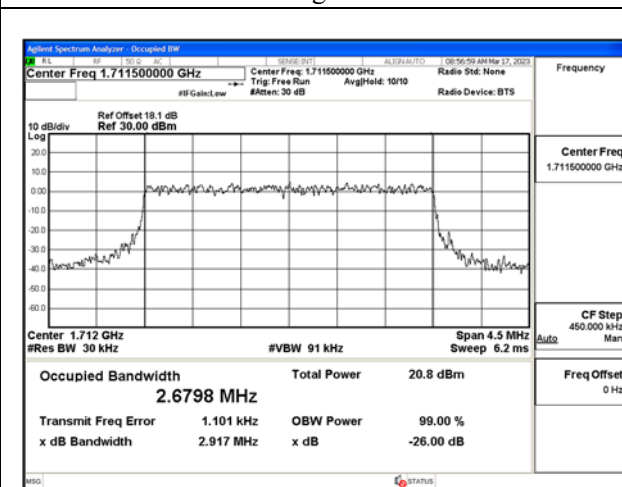


Fig.40

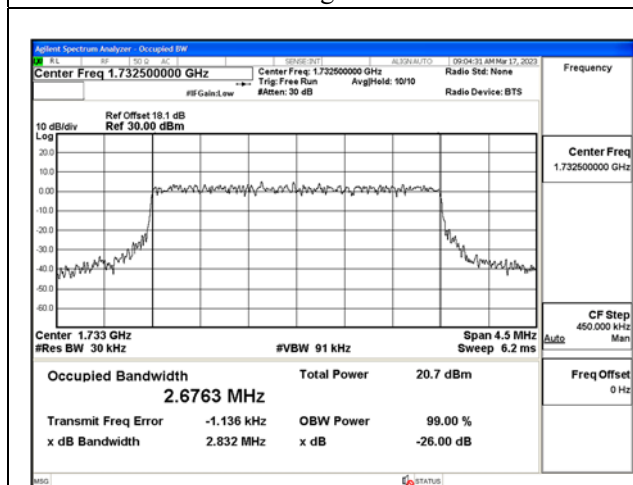


Fig.41

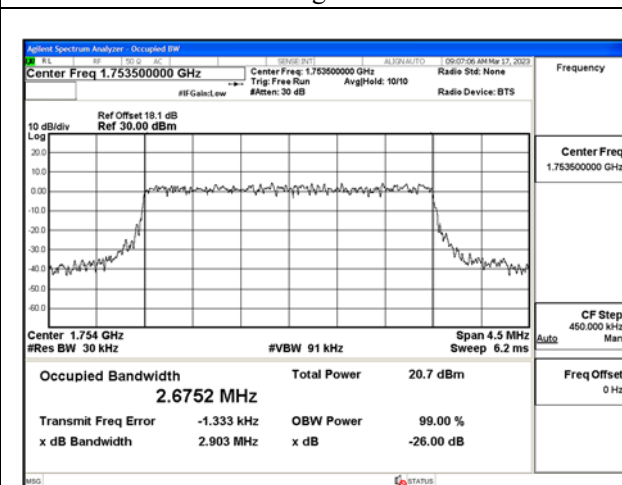


Fig.42

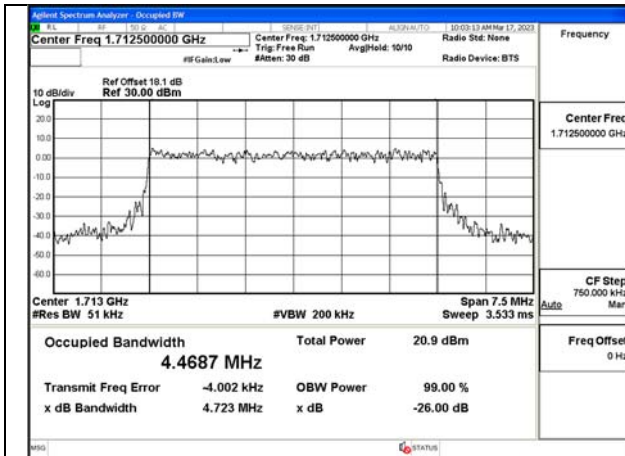


Fig.43

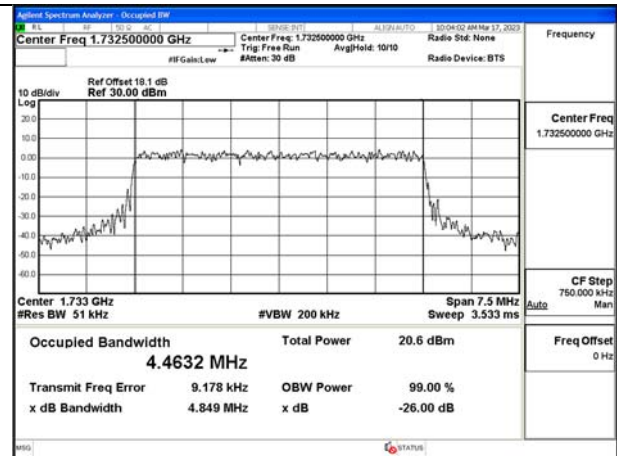


Fig.44

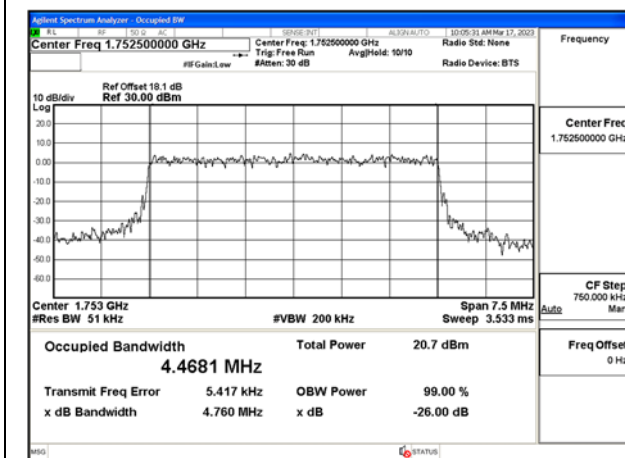


Fig.45

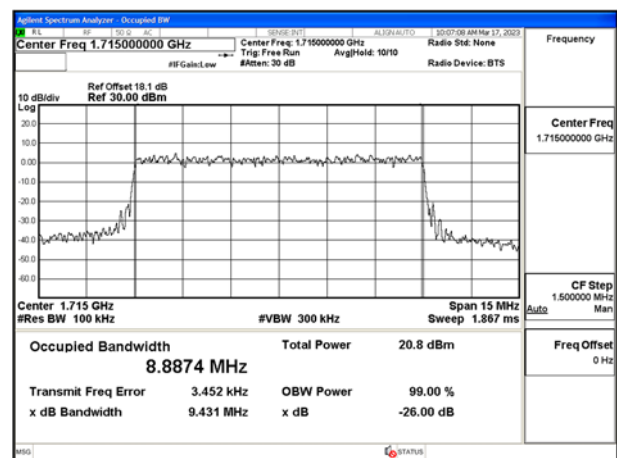


Fig.46

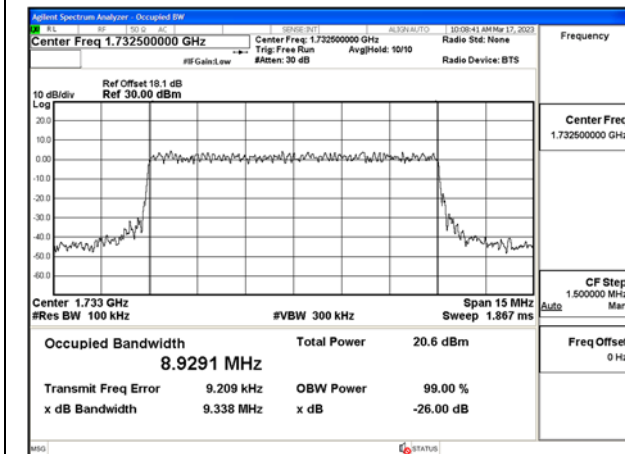


Fig.47

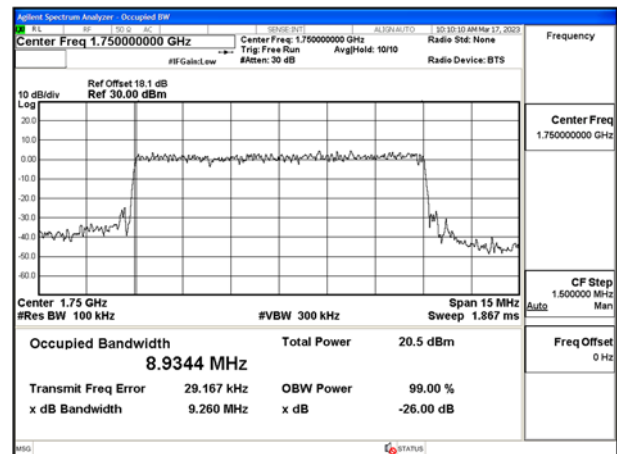


Fig.48

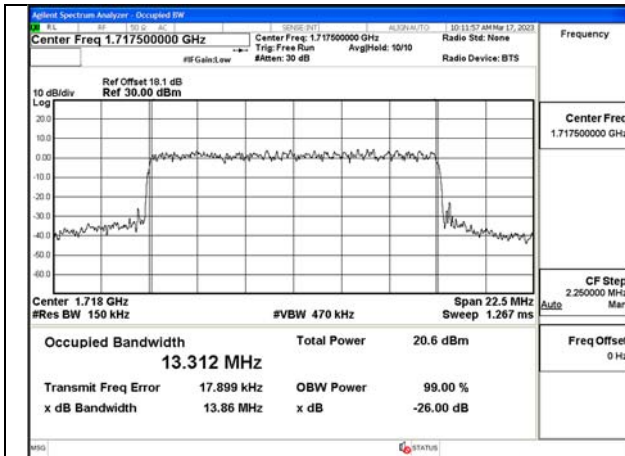


Fig.49

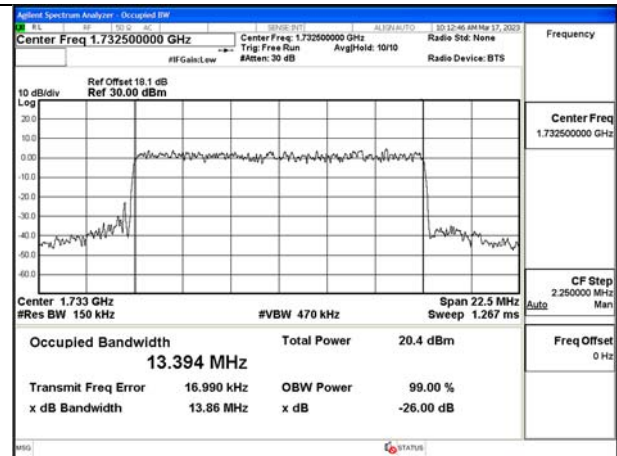


Fig.50

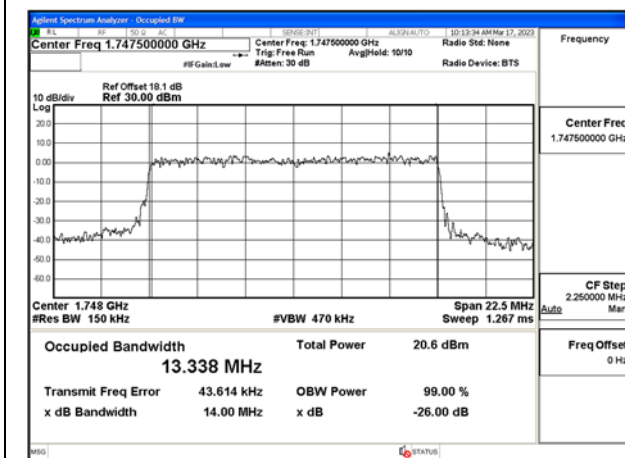


Fig.51

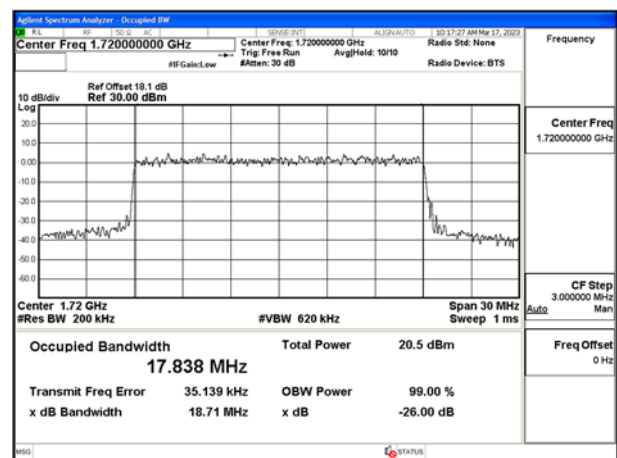


Fig.52

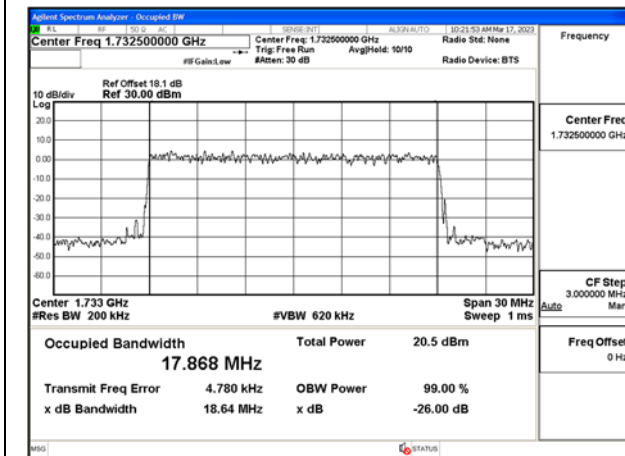


Fig.53

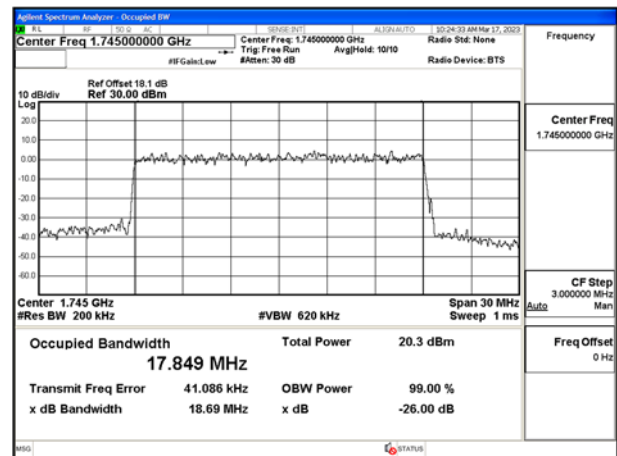


Fig.54

3 Emission Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
4	QPSK	1710.7	19957	1.4	6	0	1.241	Fig.1
4	QPSK	1732.5	20175	1.4	6	0	1.241	Fig.2
4	QPSK	1754.3	20393	1.4	6	0	1.243	Fig.3
4	QPSK	1711.5	19965	3	15	0	2.925	Fig.4
4	QPSK	1732.5	20175	3	15	0	2.843	Fig.5
4	QPSK	1753.5	20385	3	15	0	2.868	Fig.6
4	QPSK	1712.5	19975	5	25	0	4.883	Fig.7
4	QPSK	1732.5	20175	5	25	0	4.791	Fig.8
4	QPSK	1752.5	20375	5	25	0	4.806	Fig.9
4	QPSK	1715	20000	10	50	0	9.462	Fig.10
4	QPSK	1732.5	20175	10	50	0	9.368	Fig.11
4	QPSK	1750	20350	10	50	0	9.435	Fig.12
4	QPSK	1717.5	20025	15	75	0	13.855	Fig.13
4	QPSK	1732.5	20175	15	75	0	13.871	Fig.14
4	QPSK	1747.5	20325	15	75	0	14.000	Fig.15
4	QPSK	1720	20050	20	100	0	18.500	Fig.16
4	QPSK	1732.5	20175	20	100	0	18.512	Fig.17
4	QPSK	1745	20300	20	100	0	18.559	Fig.18

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
4	16QAM	1710.7	19957	1.4	6	0	1.245	Fig.19
4	16QAM	1732.5	20175	1.4	6	0	1.266	Fig.20
4	16QAM	1754.3	20393	1.4	6	0	1.253	Fig.21
4	16QAM	1711.5	19965	3	15	0	2.912	Fig.22
4	16QAM	1732.5	20175	3	15	0	2.876	Fig.23
4	16QAM	1753.5	20385	3	15	0	2.922	Fig.24
4	16QAM	1712.5	19975	5	25	0	4.865	Fig.25
4	16QAM	1732.5	20175	5	25	0	4.719	Fig.26
4	16QAM	1752.5	20375	5	25	0	4.733	Fig.27
4	16QAM	1715	20000	10	50	0	9.482	Fig.28
4	16QAM	1732.5	20175	10	50	0	9.246	Fig.29
4	16QAM	1750	20350	10	50	0	9.340	Fig.30
4	16QAM	1717.5	20025	15	75	0	14.009	Fig.31
4	16QAM	1732.5	20175	15	75	0	14.055	Fig.32
4	16QAM	1747.5	20325	15	75	0	13.958	Fig.33
4	16QAM	1720	20050	20	100	0	18.529	Fig.34
4	16QAM	1732.5	20175	20	100	0	18.650	Fig.35
4	16QAM	1745	20300	20	100	0	18.478	Fig.36

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
4	64QAM	1710.7	19957	1.4	6	0	1.277	Fig.37
4	64QAM	1732.5	20175	1.4	6	0	1.242	Fig.38
4	64QAM	1754.3	20393	1.4	6	0	1.237	Fig.39
4	64QAM	1711.5	19965	3	15	0	2.917	Fig.40
4	64QAM	1732.5	20175	3	15	0	2.832	Fig.41
4	64QAM	1753.5	20385	3	15	0	2.903	Fig.42
4	64QAM	1712.5	19975	5	25	0	4.723	Fig.43
4	64QAM	1732.5	20175	5	25	0	4.849	Fig.44
4	64QAM	1752.5	20375	5	25	0	4.760	Fig.45
4	64QAM	1715	20000	10	50	0	9.431	Fig.46
4	64QAM	1732.5	20175	10	50	0	9.338	Fig.47
4	64QAM	1750	20350	10	50	0	9.260	Fig.48
4	64QAM	1717.5	20025	15	75	0	13.860	Fig.49
4	64QAM	1732.5	20175	15	75	0	13.857	Fig.50
4	64QAM	1747.5	20325	15	75	0	14.003	Fig.51
4	64QAM	1720	20050	20	100	0	18.711	Fig.52
4	64QAM	1732.5	20175	20	100	0	18.638	Fig.53
4	64QAM	1745	20300	20	100	0	18.688	Fig.54

Test Mode: QPSK

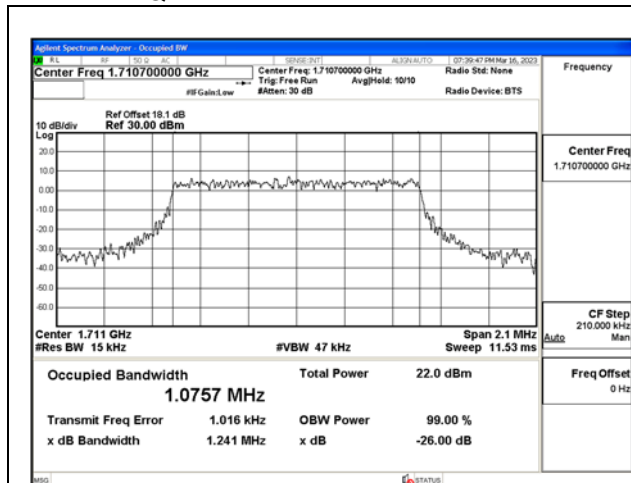


Fig.1

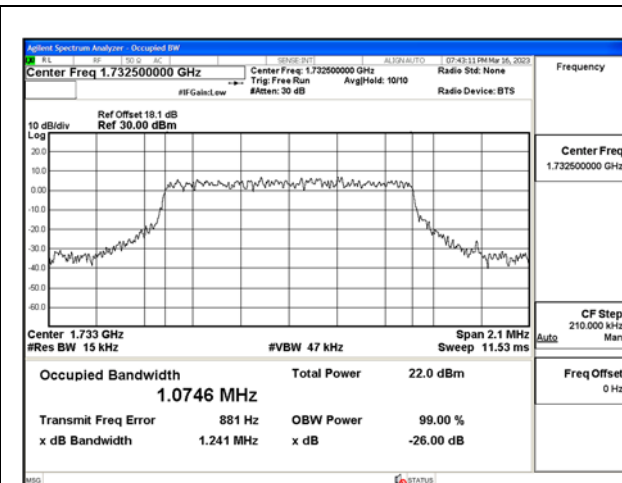


Fig.2

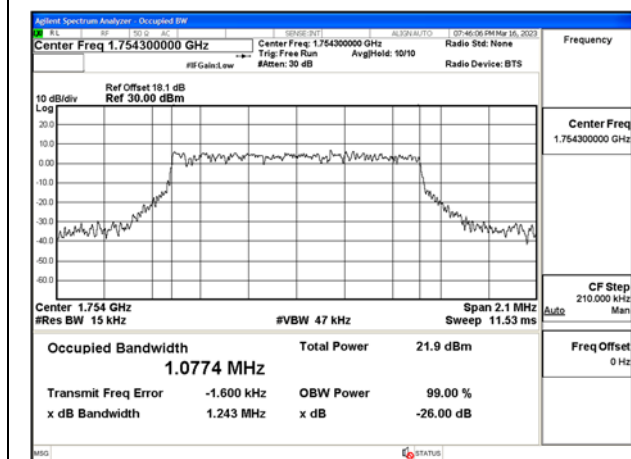


Fig.3

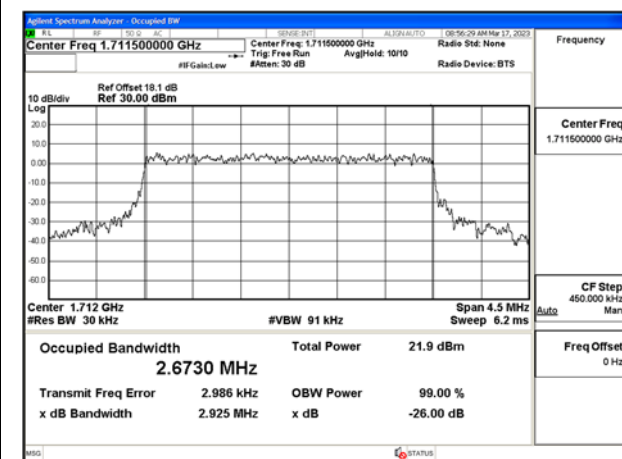


Fig.4

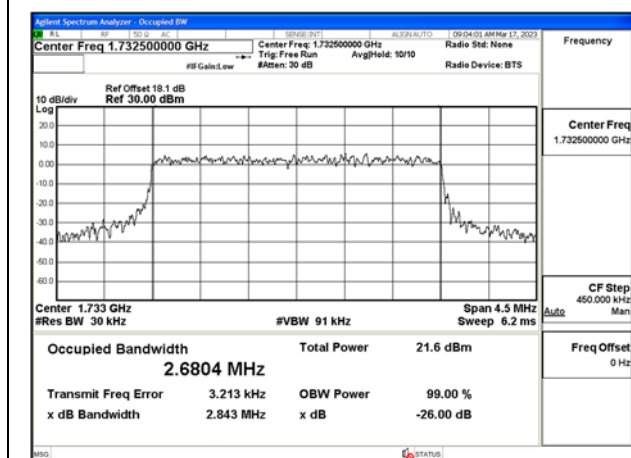


Fig.5

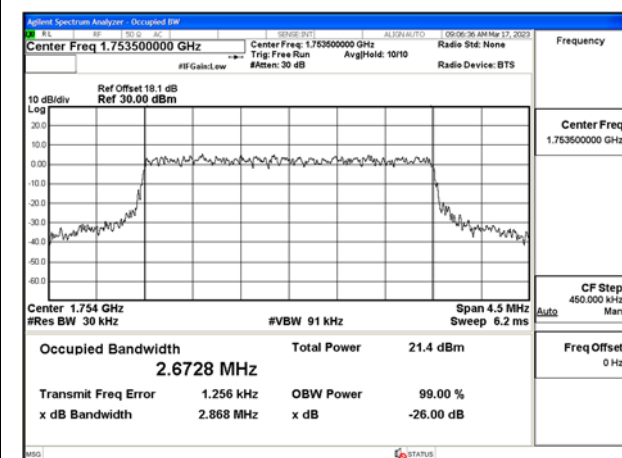


Fig.6

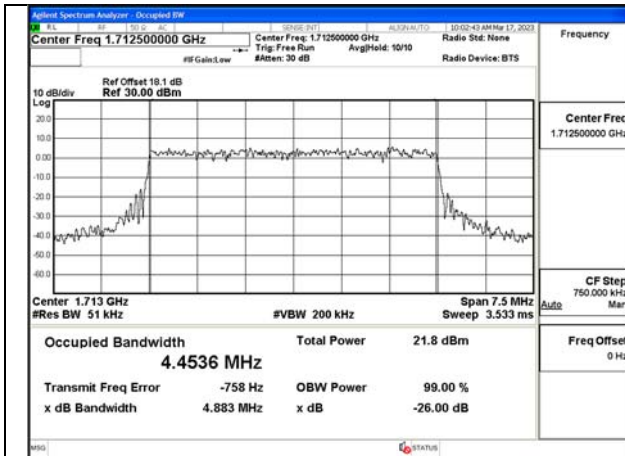


Fig.7

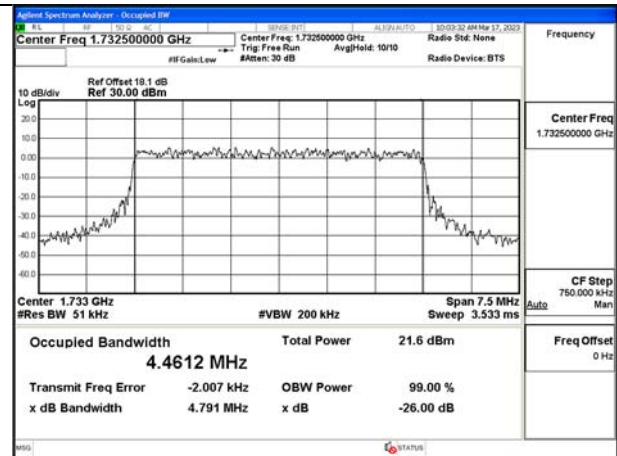


Fig.8

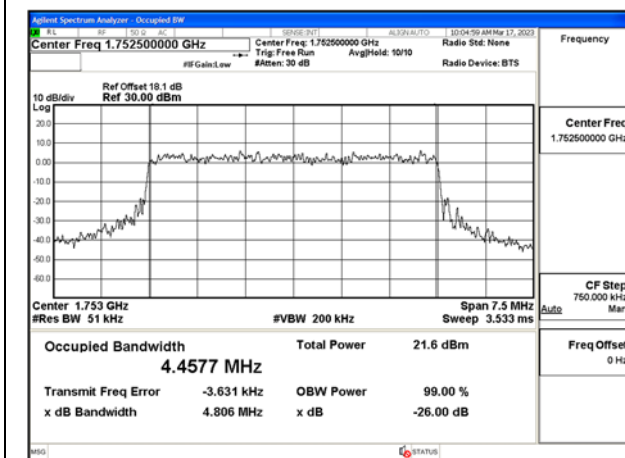


Fig.9

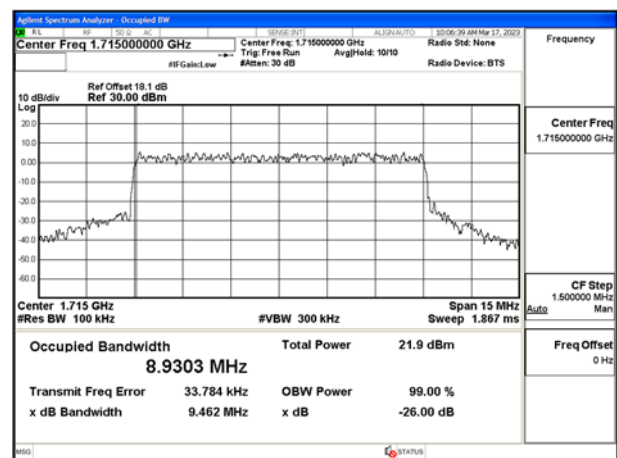


Fig.10

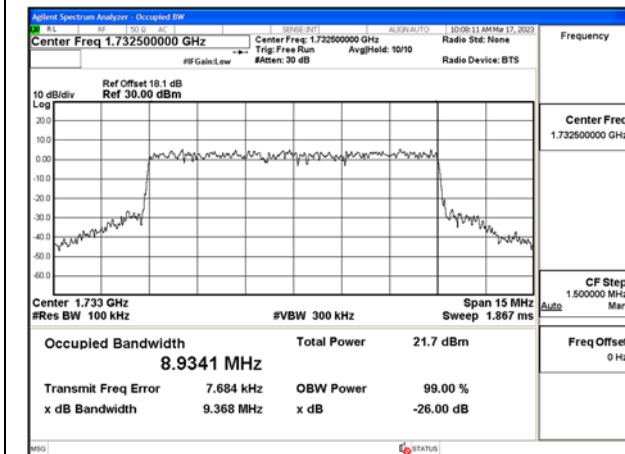


Fig.11

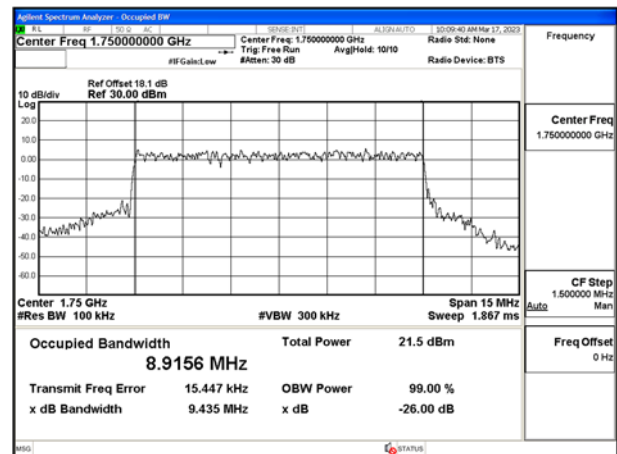


Fig.12

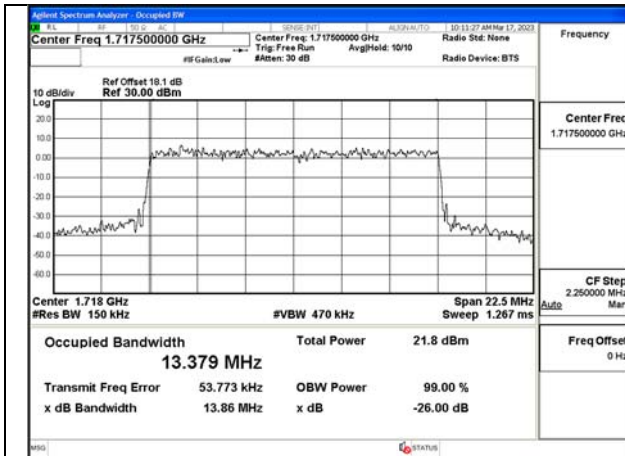


Fig.13

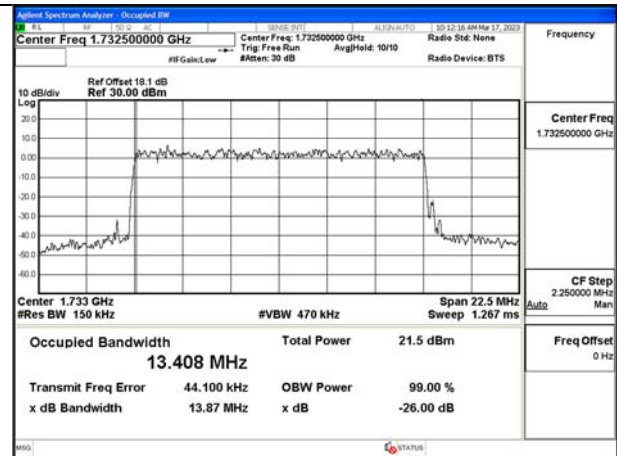


Fig.14

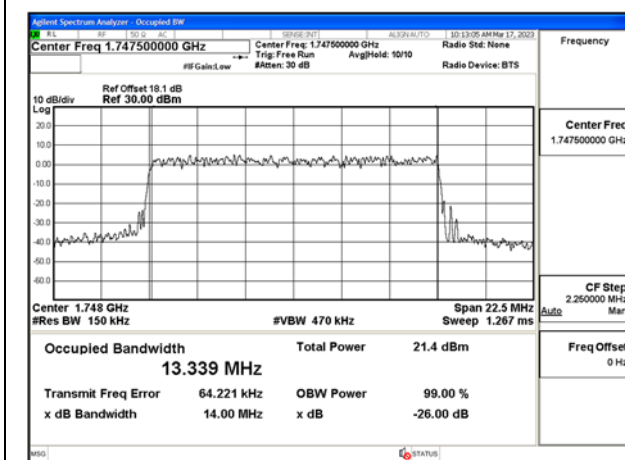


Fig.15

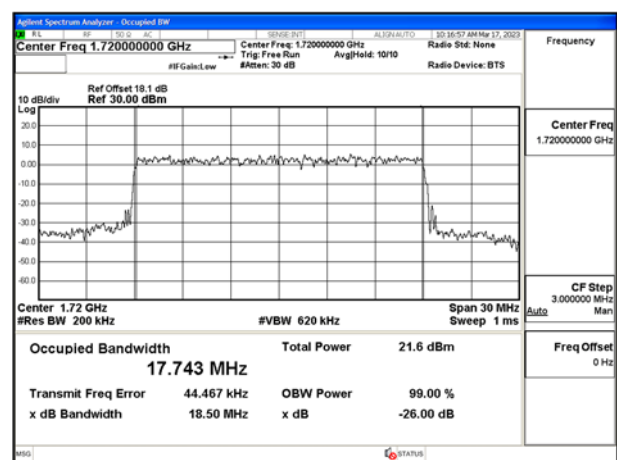


Fig.16

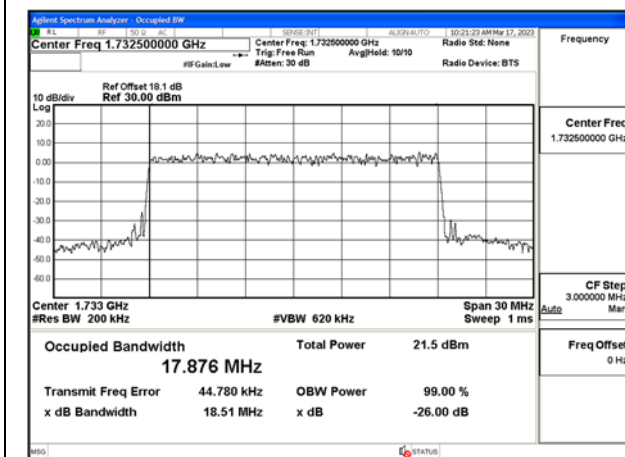


Fig.17

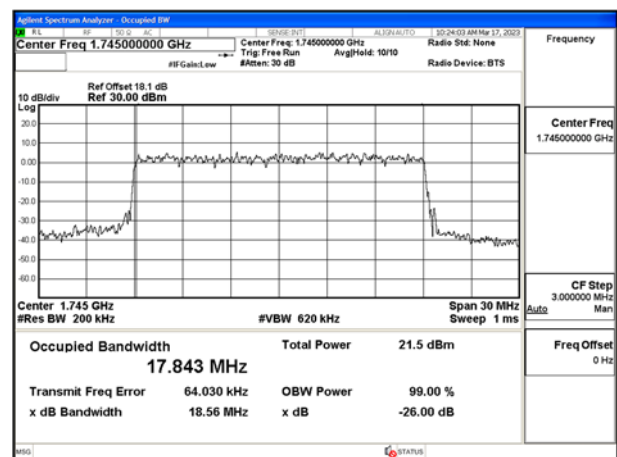


Fig.18

Test Mode: 16QAM

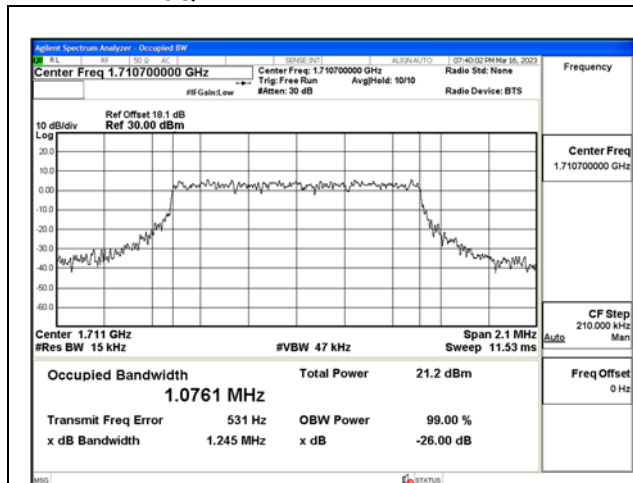


Fig.19

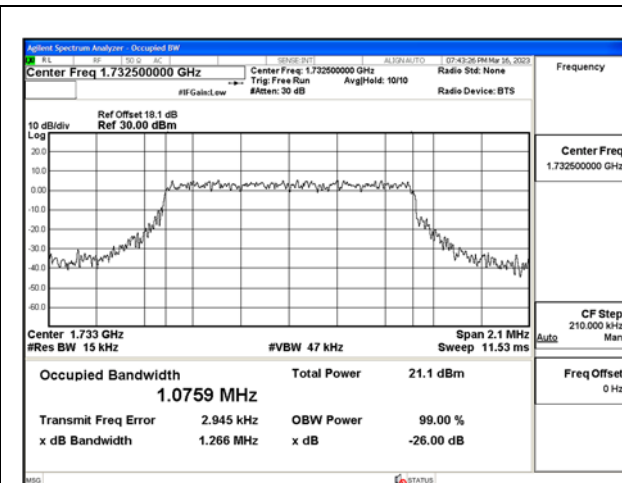


Fig.20

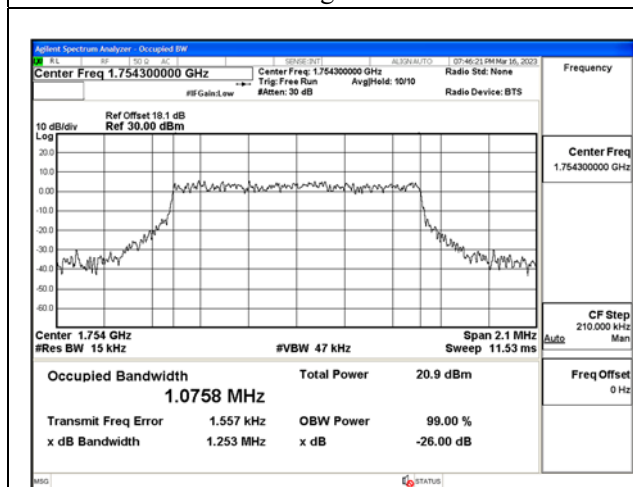


Fig.21

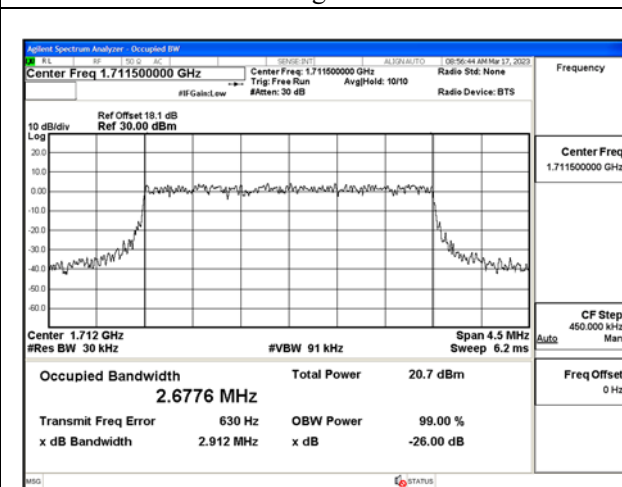


Fig.22

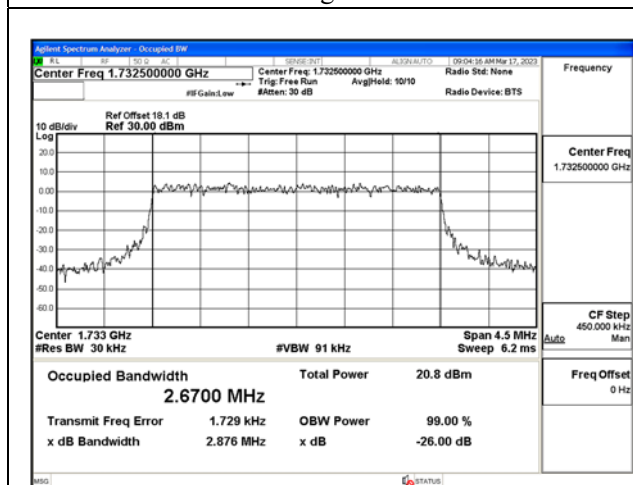


Fig.23

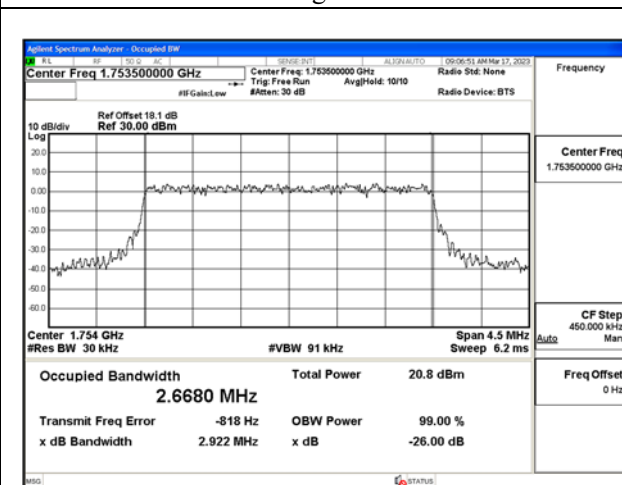


Fig.24

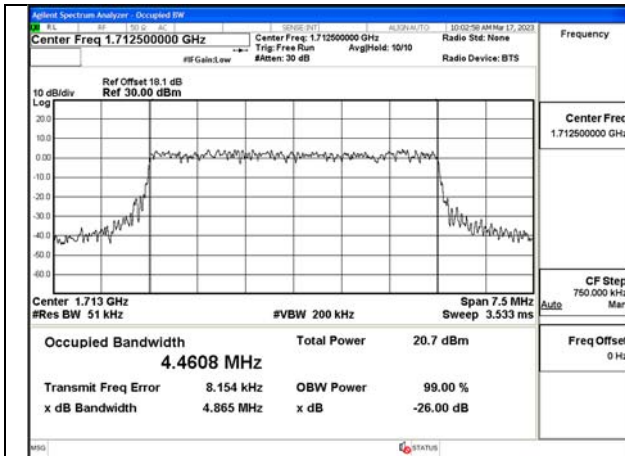


Fig.25

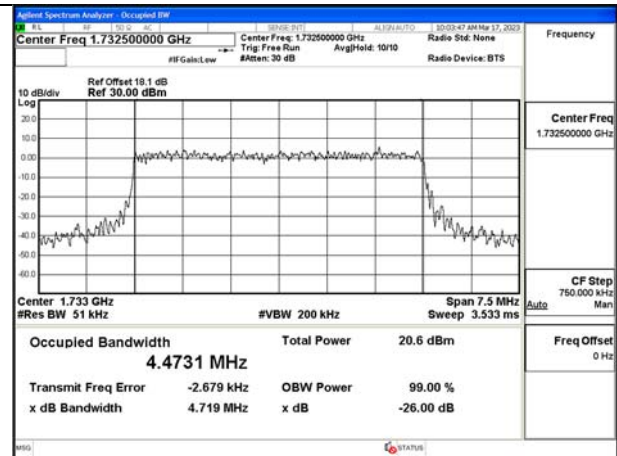


Fig.26

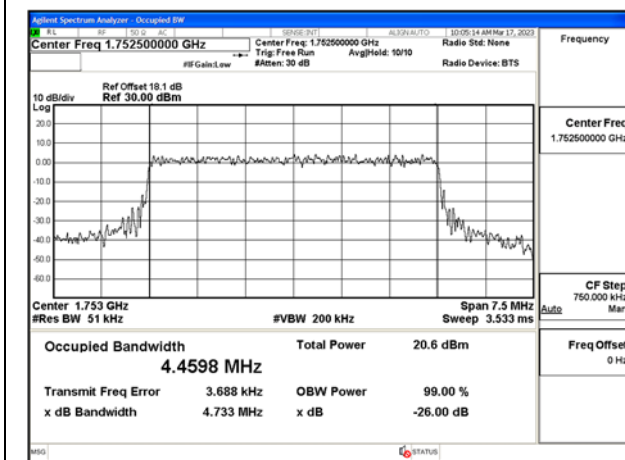


Fig.27

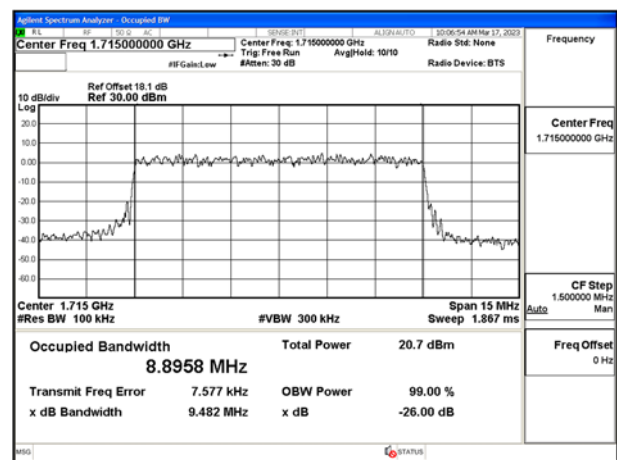


Fig.28

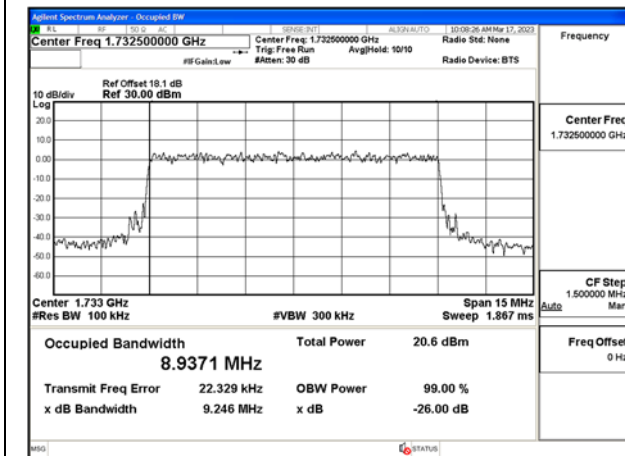


Fig.29

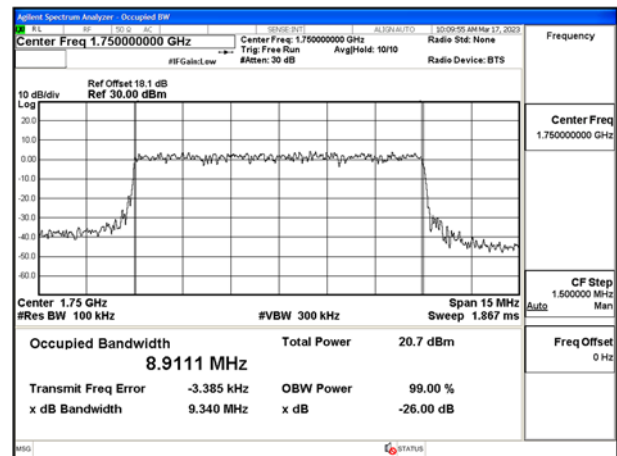


Fig.30

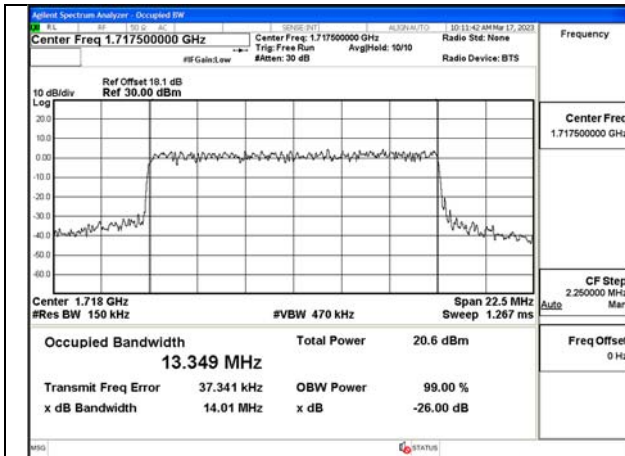


Fig.31

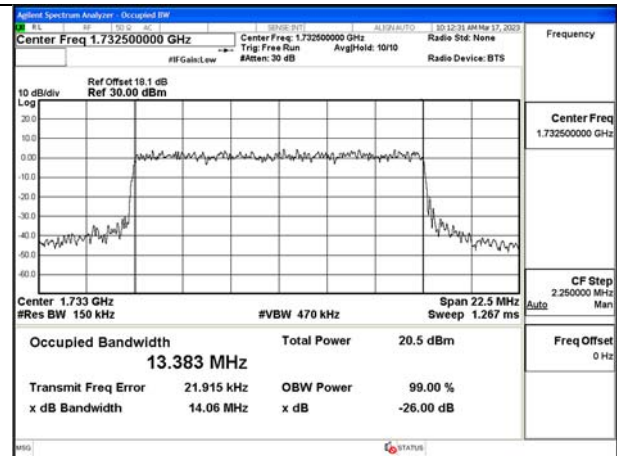


Fig.32

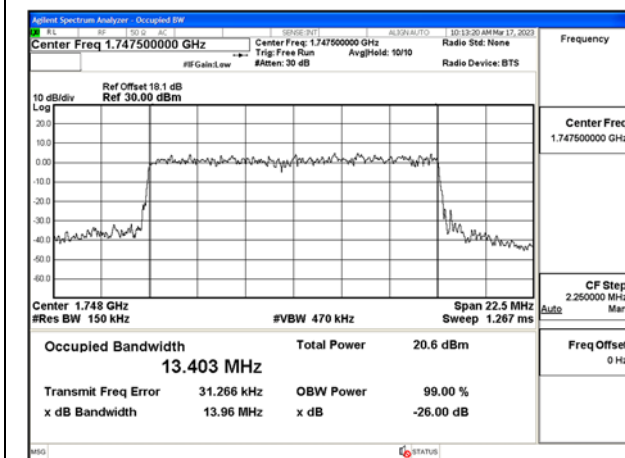


Fig.33

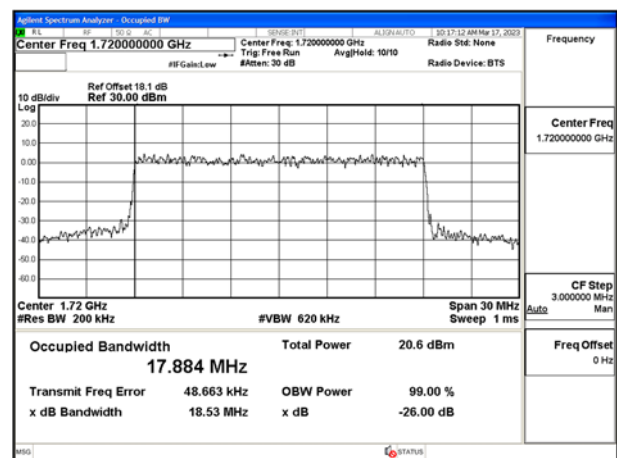


Fig.34

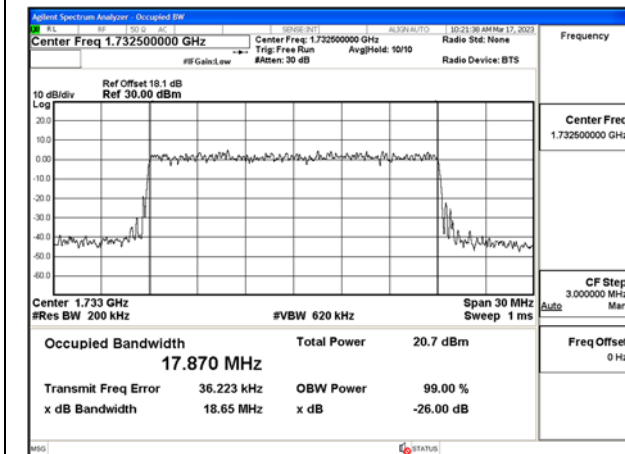


Fig.35

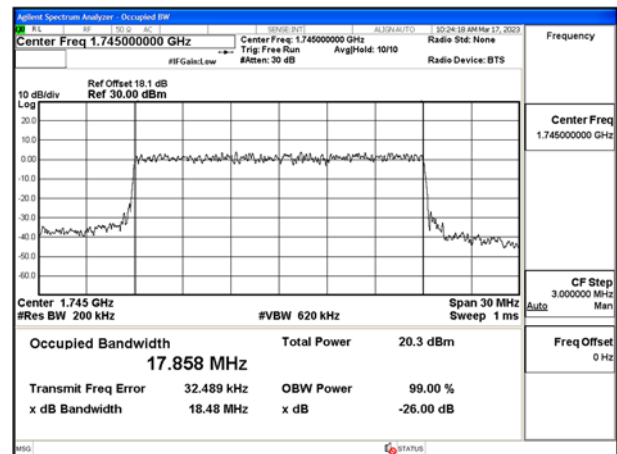


Fig.36

Test Mode: 64QAM

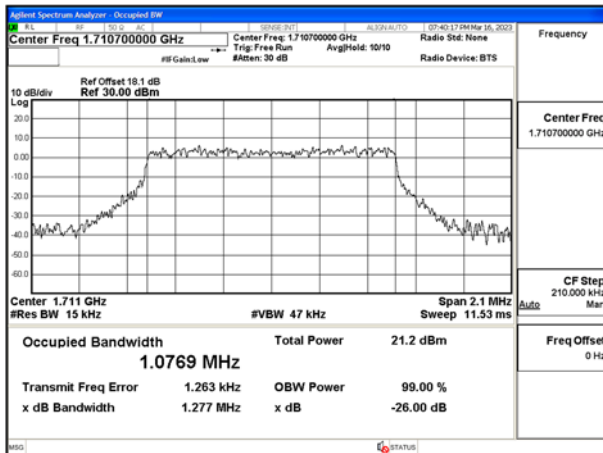


Fig.37

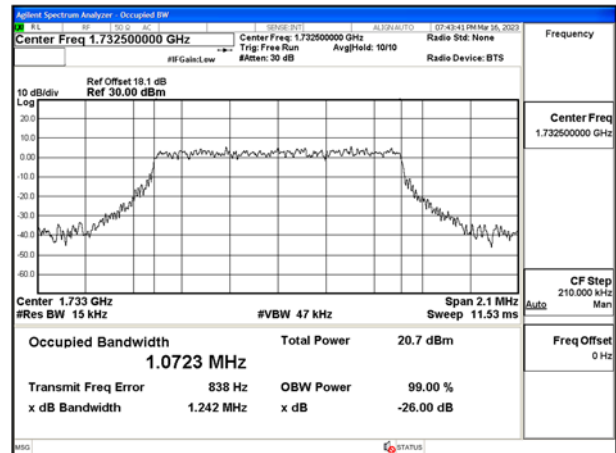


Fig.38

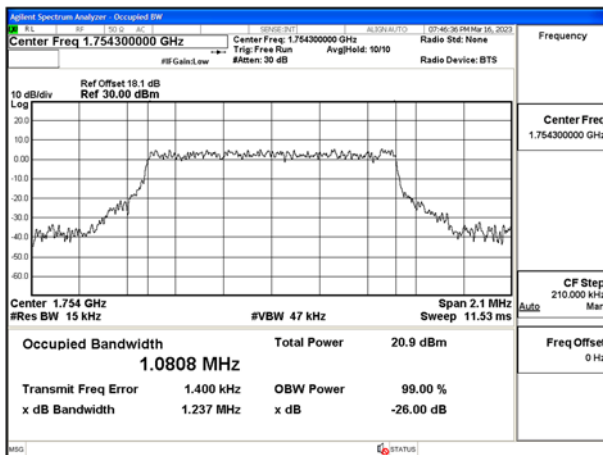


Fig.39

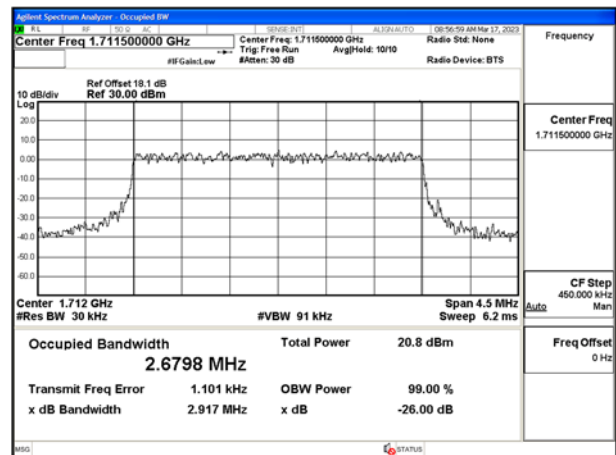


Fig.40

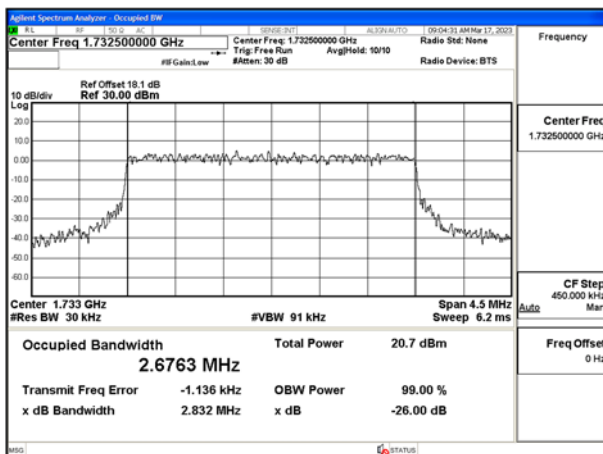


Fig.41

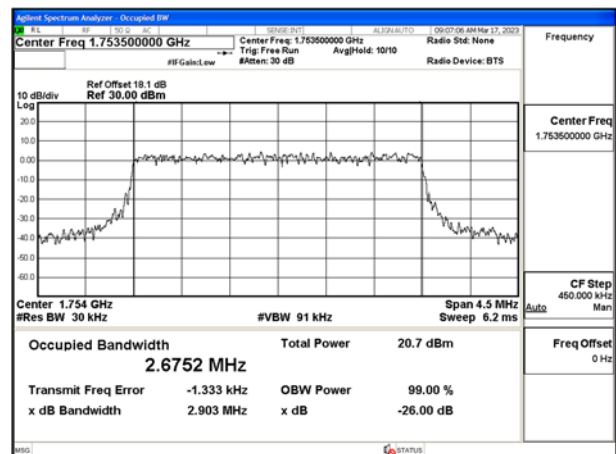


Fig.42

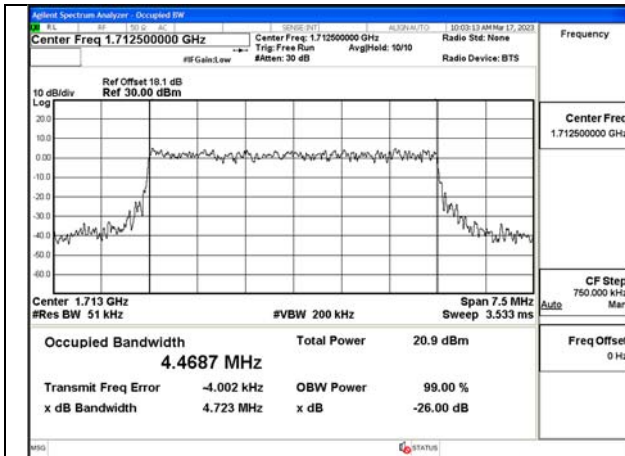


Fig.43

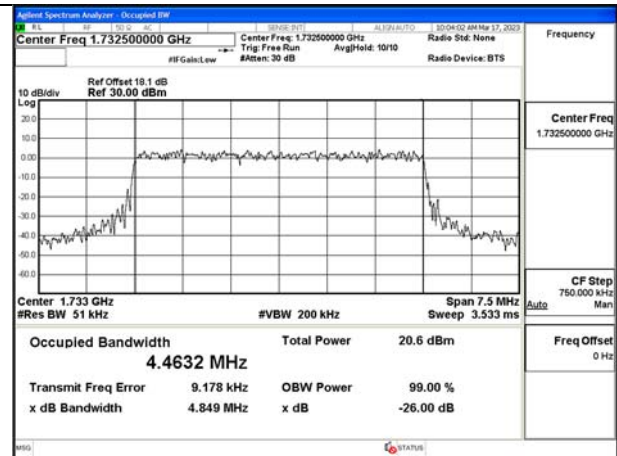


Fig.44

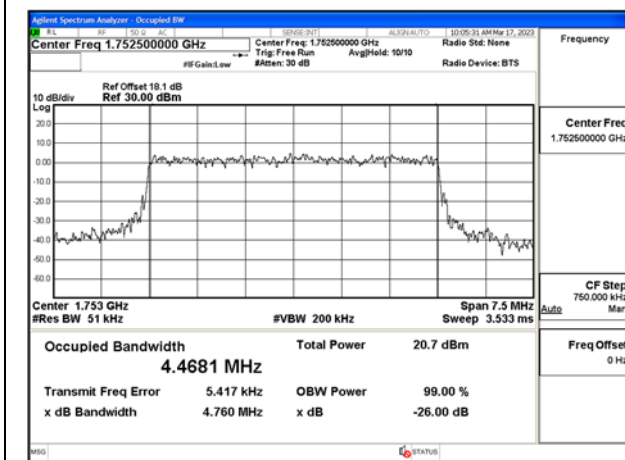


Fig.45

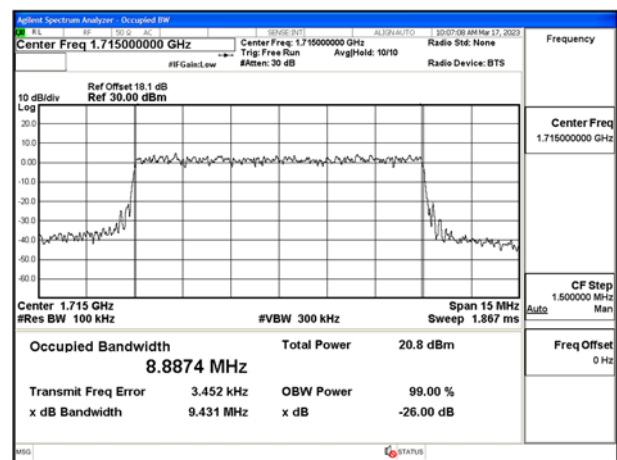


Fig.46

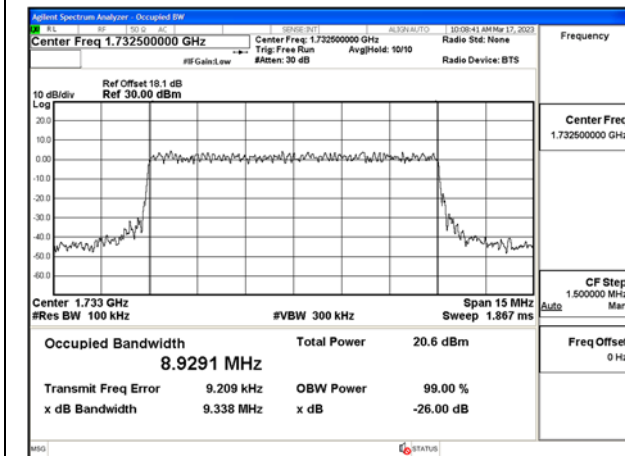


Fig.47

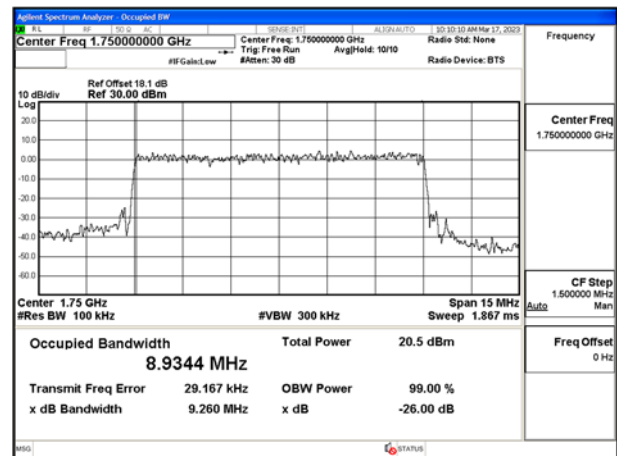


Fig.48

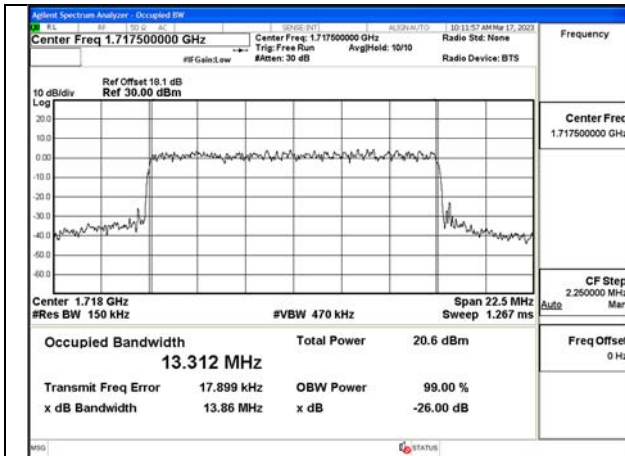


Fig.49

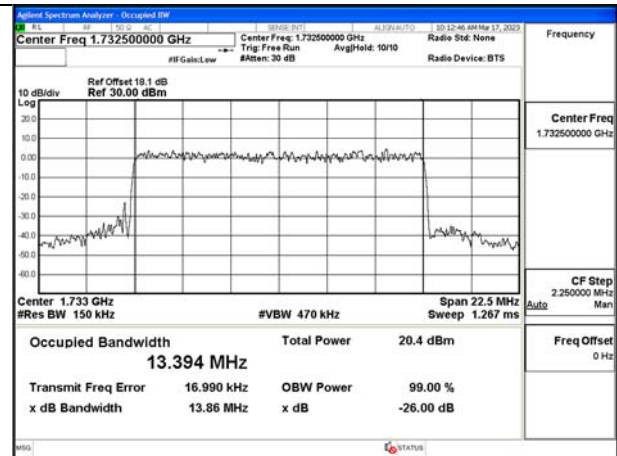


Fig.50

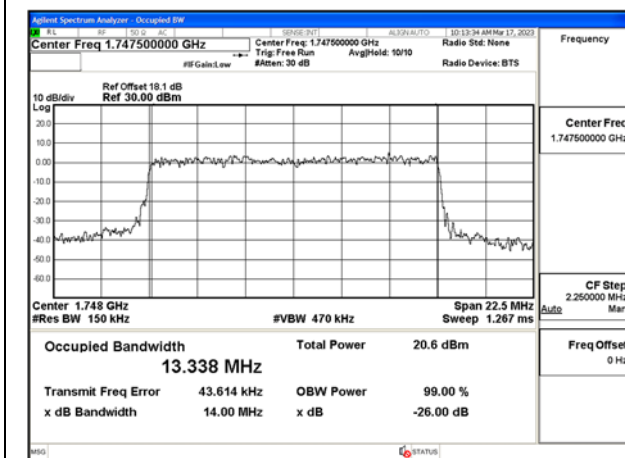


Fig.51

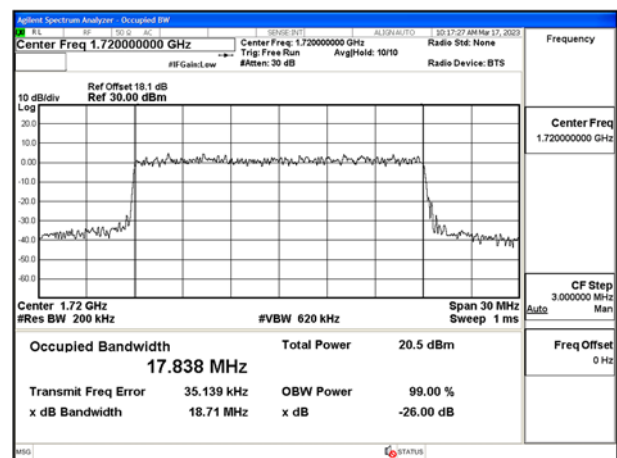


Fig.52

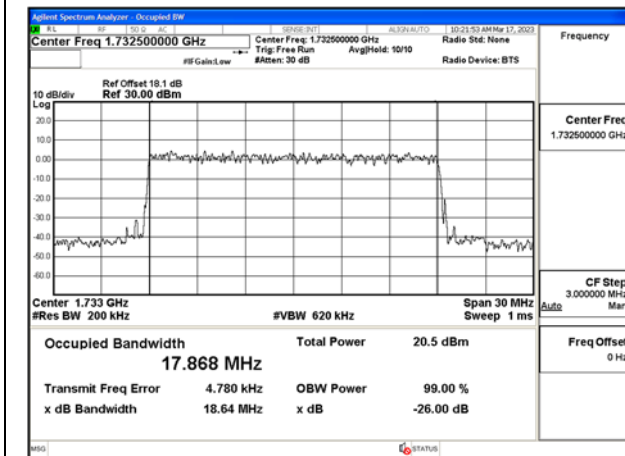


Fig.53

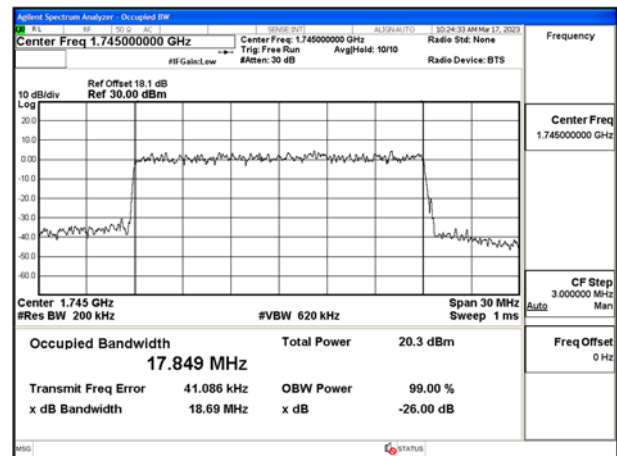


Fig.54

4 Peak-Average Ratio

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	QPSK	16-QAM	64-QAM
4	1710.7	19957	1.4	1	5	Fig.1	Fig.2	Fig.3
4	1710.7	19957	1.4	6	0	Fig.4	Fig.5	Fig.6
4	1732.5	20175	1.4	1	5	Fig.7	Fig.8	Fig.9
4	1732.5	20175	1.4	6	0	Fig.10	Fig.11	Fig.12
4	1754.3	20393	1.4	1	5	Fig.13	Fig.14	Fig.15
4	1754.3	20393	1.4	6	0	Fig.16	Fig.17	Fig.18
4	1711.5	19965	3	1	14	Fig.19	Fig.20	Fig.21
4	1711.5	19965	3	15	0	Fig.22	Fig.23	Fig.24
4	1732.5	20175	3	1	14	Fig.25	Fig.26	Fig.27
4	1732.5	20175	3	15	0	Fig.28	Fig.29	Fig.30
4	1753.5	20385	3	1	14	Fig.31	Fig.32	Fig.33
4	1753.5	20385	3	15	0	Fig.34	Fig.35	Fig.36
4	1712.5	19975	5	1	24	Fig.37	Fig.38	Fig.39
4	1712.5	19975	5	25	0	Fig.40	Fig.41	Fig.42
4	1732.5	20175	5	1	24	Fig.43	Fig.44	Fig.45
4	1732.5	20175	5	25	0	Fig.46	Fig.47	Fig.48
4	1752.5	20375	5	1	24	Fig.49	Fig.50	Fig.51
4	1752.5	20375	5	25	0	Fig.52	Fig.53	Fig.54
4	1715	20000	10	1	49	Fig.55	Fig.56	Fig.57
4	1715	20000	10	50	0	Fig.58	Fig.59	Fig.60
4	1732.5	20175	10	1	49	Fig.61	Fig.62	Fig.63
4	1732.5	20175	10	50	0	Fig.64	Fig.65	Fig.66
4	1750	20350	10	1	49	Fig.67	Fig.68	Fig.69
4	1750	20350	10	50	0	Fig.70	Fig.71	Fig.72
4	1717.5	20025	15	1	74	Fig.73	Fig.74	Fig.75
4	1717.5	20025	15	75	0	Fig.76	Fig.77	Fig.78
4	1732.5	20175	15	1	74	Fig.79	Fig.80	Fig.81
4	1732.5	20175	15	75	0	Fig.82	Fig.83	Fig.84
4	1747.5	20325	15	1	74	Fig.85	Fig.86	Fig.87
4	1747.5	20325	15	75	0	Fig.88	Fig.89	Fig.90
4	1720	20050	20	1	99	Fig.91	Fig.92	Fig.93
4	1720	20050	20	100	0	Fig.94	Fig.95	Fig.96
4	1732.5	20175	20	1	99	Fig.97	Fig.98	Fig.99
4	1732.5	20175	20	100	0	Fig.100	Fig.101	Fig.102
4	1745	20300	20	1	99	Fig.103	Fig.104	Fig.105
4	1745	20300	20	100	0	Fig.106	Fig.107	Fig.108