

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 66

1 RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1710.7	131979	1.4	1	0	23.15
QPSK	1710.7	131979	1.4	1	3	23.38
QPSK	1710.7	131979	1.4	1	5	23.26
QPSK	1710.7	131979	1.4	3	0	23.33
QPSK	1710.7	131979	1.4	3	1	23.44
QPSK	1710.7	131979	1.4	3	3	23.36
QPSK	1710.7	131979	1.4	6	0	22.43
QPSK	1755	132422	1.4	1	0	23.35
QPSK	1755	132422	1.4	1	3	23.30
QPSK	1755	132422	1.4	1	5	23.34
QPSK	1755	132422	1.4	3	0	23.46
QPSK	1755	132422	1.4	3	1	23.29
QPSK	1755	132422	1.4	3	3	23.25
QPSK	1755	132422	1.4	6	0	22.26
QPSK	1779.3	132665	1.4	1	0	23.30
QPSK	1779.3	132665	1.4	1	3	23.58
QPSK	1779.3	132665	1.4	1	5	23.56
QPSK	1779.3	132665	1.4	3	0	23.29
QPSK	1779.3	132665	1.4	3	1	23.38
QPSK	1779.3	132665	1.4	3	3	23.30
QPSK	1779.3	132665	1.4	6	0	22.16

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	1710.7	131979	1.4	1	0	22.61
16QAM	1710.7	131979	1.4	1	3	23.05
16QAM	1710.7	131979	1.4	1	5	23.16
16QAM	1710.7	131979	1.4	3	0	22.72
16QAM	1710.7	131979	1.4	3	1	22.67
16QAM	1710.7	131979	1.4	3	3	22.63
16QAM	1710.7	131979	1.4	6	0	21.13
16QAM	1755	132422	1.4	1	0	22.80
16QAM	1755	132422	1.4	1	3	22.75
16QAM	1755	132422	1.4	1	5	22.56
16QAM	1755	132422	1.4	3	0	22.52
16QAM	1755	132422	1.4	3	1	22.63
16QAM	1755	132422	1.4	3	3	22.58
16QAM	1755	132422	1.4	6	0	20.90
16QAM	1779.3	132665	1.4	1	0	22.48
16QAM	1779.3	132665	1.4	1	3	22.47
16QAM	1779.3	132665	1.4	1	5	22.25
16QAM	1779.3	132665	1.4	3	0	22.47
16QAM	1779.3	132665	1.4	3	1	22.57
16QAM	1779.3	132665	1.4	3	3	22.55
16QAM	1779.3	132665	1.4	6	0	21.13

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1711.5	131987	3	1	0	23.30
QPSK	1711.5	131987	3	1	8	23.55
QPSK	1711.5	131987	3	1	14	23.27
QPSK	1711.5	131987	3	8	0	22.41
QPSK	1711.5	131987	3	8	4	22.37
QPSK	1711.5	131987	3	8	7	22.34
QPSK	1711.5	131987	3	15	0	22.36
QPSK	1755	132422	3	1	0	23.55
QPSK	1755	132422	3	1	8	23.41
QPSK	1755	132422	3	1	14	23.40
QPSK	1755	132422	3	8	0	22.33
QPSK	1755	132422	3	8	4	22.40
QPSK	1755	132422	3	8	7	22.36
QPSK	1755	132422	3	15	0	22.35
QPSK	1778.5	132657	3	1	0	23.64
QPSK	1778.5	132657	3	1	8	23.50
QPSK	1778.5	132657	3	1	14	23.55
QPSK	1778.5	132657	3	8	0	22.28
QPSK	1778.5	132657	3	8	4	22.31
QPSK	1778.5	132657	3	8	7	22.26
QPSK	1778.5	132657	3	15	0	22.27

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	1711.5	131987	3	1	0	22.93
16QAM	1711.5	131987	3	1	8	23.06
16QAM	1711.5	131987	3	1	14	22.85
16QAM	1711.5	131987	3	8	0	21.63
16QAM	1711.5	131987	3	8	4	21.65
16QAM	1711.5	131987	3	8	7	21.51
16QAM	1711.5	131987	3	15	0	21.50
16QAM	1755	132422	3	1	0	22.90
16QAM	1755	132422	3	1	8	23.27
16QAM	1755	132422	3	1	14	22.83
16QAM	1755	132422	3	8	0	21.46
16QAM	1755	132422	3	8	4	21.67
16QAM	1755	132422	3	8	7	21.56
16QAM	1755	132422	3	15	0	21.59
16QAM	1778.5	132657	3	1	0	22.60
16QAM	1778.5	132657	3	1	8	23.32
16QAM	1778.5	132657	3	1	14	22.45
16QAM	1778.5	132657	3	8	0	21.36
16QAM	1778.5	132657	3	8	4	21.55
16QAM	1778.5	132657	3	8	7	21.35
16QAM	1778.5	132657	3	15	0	21.31

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1712.5	131997	5	1	0	23.51
QPSK	1712.5	131997	5	1	12	23.45
QPSK	1712.5	131997	5	1	24	23.46
QPSK	1712.5	131997	5	12	0	22.44
QPSK	1712.5	131997	5	12	7	22.48
QPSK	1712.5	131997	5	12	13	22.27
QPSK	1712.5	131997	5	25	0	22.36
QPSK	1755	132422	5	1	0	23.53
QPSK	1755	132422	5	1	12	23.88
QPSK	1755	132422	5	1	24	23.57
QPSK	1755	132422	5	12	0	22.34
QPSK	1755	132422	5	12	7	22.26
QPSK	1755	132422	5	12	13	22.43
QPSK	1755	132422	5	25	0	22.41
QPSK	1777.5	132647	5	1	0	23.61
QPSK	1777.5	132647	5	1	12	23.75
QPSK	1777.5	132647	5	1	24	23.61
QPSK	1777.5	132647	5	12	0	22.17
QPSK	1777.5	132647	5	12	7	22.37
QPSK	1777.5	132647	5	12	13	22.20
QPSK	1777.5	132647	5	25	0	22.24

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	1712.5	131997	5	1	0	23.01
16QAM	1712.5	131997	5	1	12	23.22
16QAM	1712.5	131997	5	1	24	23.08
16QAM	1712.5	131997	5	12	0	21.58
16QAM	1712.5	131997	5	12	7	21.51
16QAM	1712.5	131997	5	12	13	21.45
16QAM	1712.5	131997	5	25	0	21.47
16QAM	1755	132422	5	1	0	22.47
16QAM	1755	132422	5	1	12	22.42
16QAM	1755	132422	5	1	24	23.19
16QAM	1755	132422	5	12	0	21.57
16QAM	1755	132422	5	12	7	21.47
16QAM	1755	132422	5	12	13	21.44
16QAM	1755	132422	5	25	0	21.70
16QAM	1777.5	132647	5	1	0	22.86
16QAM	1777.5	132647	5	1	12	22.42
16QAM	1777.5	132647	5	1	24	22.83
16QAM	1777.5	132647	5	12	0	21.38
16QAM	1777.5	132647	5	12	7	21.47
16QAM	1777.5	132647	5	12	13	21.34
16QAM	1777.5	132647	5	25	0	21.61

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1715	132022	10	1	0	23.41
QPSK	1715	132022	10	1	25	23.44
QPSK	1715	132022	10	1	49	23.23
QPSK	1715	132022	10	25	0	22.44
QPSK	1715	132022	10	25	12	22.41
QPSK	1715	132022	10	25	25	22.32
QPSK	1715	132022	10	50	0	22.47
QPSK	1755	132422	10	1	0	23.28
QPSK	1755	132422	10	1	25	23.37
QPSK	1755	132422	10	1	49	23.25
QPSK	1755	132422	10	25	0	22.29
QPSK	1755	132422	10	25	12	22.39
QPSK	1755	132422	10	25	25	22.30
QPSK	1755	132422	10	50	0	22.23
QPSK	1775	132622	10	1	0	23.32
QPSK	1775	132622	10	1	25	23.28
QPSK	1775	132622	10	1	49	23.39
QPSK	1775	132622	10	25	0	21.99
QPSK	1775	132622	10	25	12	22.13
QPSK	1775	132622	10	25	25	22.22
QPSK	1775	132622	10	50	0	22.05

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	1715	132022	10	1	0	22.91
16QAM	1715	132022	10	1	25	22.65
16QAM	1715	132022	10	1	49	22.64
16QAM	1715	132022	10	25	0	21.72
16QAM	1715	132022	10	25	12	21.56
16QAM	1715	132022	10	25	25	21.74
16QAM	1715	132022	10	50	0	21.35
16QAM	1755	132422	10	1	0	22.90
16QAM	1755	132422	10	1	25	22.98
16QAM	1755	132422	10	1	49	22.87
16QAM	1755	132422	10	25	0	21.40
16QAM	1755	132422	10	25	12	21.29
16QAM	1755	132422	10	25	25	21.40
16QAM	1755	132422	10	50	0	21.46
16QAM	1775	132622	10	1	0	22.36
16QAM	1775	132622	10	1	25	22.40
16QAM	1775	132622	10	1	49	22.89
16QAM	1775	132622	10	25	0	21.49
16QAM	1775	132622	10	25	12	21.66
16QAM	1775	132622	10	25	25	21.58
16QAM	1775	132622	10	50	0	21.30

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1717.5	132047	15	1	0	23.35
QPSK	1717.5	132047	15	1	37	23.37
QPSK	1717.5	132047	15	1	74	23.39
QPSK	1717.5	132047	15	36	0	22.45
QPSK	1717.5	132047	15	36	29	22.31
QPSK	1717.5	132047	15	36	30	22.39
QPSK	1717.5	132047	15	75	0	22.32
QPSK	1755	132422	15	1	0	23.40
QPSK	1755	132422	15	1	37	23.24
QPSK	1755	132422	15	1	74	23.29
QPSK	1755	132422	15	36	0	22.19
QPSK	1755	132422	15	36	29	22.36
QPSK	1755	132422	15	36	30	22.38
QPSK	1755	132422	15	75	0	22.41
QPSK	1772.5	132597	15	1	0	23.32
QPSK	1772.5	132597	15	1	37	23.09
QPSK	1772.5	132597	15	1	74	23.41
QPSK	1772.5	132597	15	36	0	22.19
QPSK	1772.5	132597	15	36	29	22.12
QPSK	1772.5	132597	15	36	30	22.32
QPSK	1772.5	132597	15	75	0	22.29

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	1717.5	132047	15	1	0	23.02
16QAM	1717.5	132047	15	1	37	22.89
16QAM	1717.5	132047	15	1	74	23.08
16QAM	1717.5	132047	15	36	0	21.28
16QAM	1717.5	132047	15	36	29	21.46
16QAM	1717.5	132047	15	36	30	21.45
16QAM	1717.5	132047	15	75	0	21.44
16QAM	1755	132422	15	1	0	22.87
16QAM	1755	132422	15	1	37	23.42
16QAM	1755	132422	15	1	74	22.68
16QAM	1755	132422	15	36	0	21.30
16QAM	1755	132422	15	36	29	21.45
16QAM	1755	132422	15	36	30	21.33
16QAM	1755	132422	15	75	0	21.51
16QAM	1772.5	132597	15	1	0	22.65
16QAM	1772.5	132597	15	1	37	22.55
16QAM	1772.5	132597	15	1	74	23.06
16QAM	1772.5	132597	15	36	0	21.21
16QAM	1772.5	132597	15	36	29	21.37
16QAM	1772.5	132597	15	36	30	21.34
16QAM	1772.5	132597	15	75	0	21.35

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1720	132072	20	1	0	23.45
QPSK	1720	132072	20	1	49	23.74
QPSK	1720	132072	20	1	99	23.86
QPSK	1720	132072	20	50	0	22.44
QPSK	1720	132072	20	50	24	22.29
QPSK	1720	132072	20	50	50	22.46
QPSK	1720	132072	20	100	0	22.29
QPSK	1755	132422	20	1	0	23.34
QPSK	1755	132422	20	1	49	23.44
QPSK	1755	132422	20	1	99	23.48
QPSK	1755	132422	20	50	0	22.32
QPSK	1755	132422	20	50	24	22.38
QPSK	1755	132422	20	50	50	22.42
QPSK	1755	132422	20	100	0	22.17
QPSK	1770	132572	20	1	0	23.21
QPSK	1770	132572	20	1	49	23.40
QPSK	1770	132572	20	1	99	23.32
QPSK	1770	132572	20	50	0	22.26
QPSK	1770	132572	20	50	24	22.40
QPSK	1770	132572	20	50	50	22.15
QPSK	1770	132572	20	100	0	22.35

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	1720	132072	20	1	0	22.52
16QAM	1720	132072	20	1	49	23.23
16QAM	1720	132072	20	1	99	22.62
16QAM	1720	132072	20	50	0	21.47
16QAM	1720	132072	20	50	24	21.53
16QAM	1720	132072	20	50	50	21.51
16QAM	1720	132072	20	100	0	21.45
16QAM	1755	132422	20	1	0	22.69
16QAM	1755	132422	20	1	49	22.81
16QAM	1755	132422	20	1	99	22.36
16QAM	1755	132422	20	50	0	21.40
16QAM	1755	132422	20	50	24	21.43
16QAM	1755	132422	20	50	50	21.46
16QAM	1755	132422	20	100	0	21.54
16QAM	1770	132572	20	1	0	22.71
16QAM	1770	132572	20	1	49	23.20
16QAM	1770	132572	20	1	99	22.92
16QAM	1770	132572	20	50	0	21.37
16QAM	1770	132572	20	50	24	21.38
16QAM	1770	132572	20	50	50	21.45
16QAM	1770	132572	20	100	0	21.38

2 Occupied Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
66	QPSK	1710.7	131979	1.4	6	0	1.079	Fig.1
66	QPSK	1755	132422	1.4	6	0	1.084	Fig.2
66	QPSK	1779.3	132665	1.4	6	0	1.080	Fig.3
66	QPSK	1711.5	131987	3	15	0	2.675	Fig.4
66	QPSK	1755	132422	3	15	0	2.676	Fig.5
66	QPSK	1778.5	132657	3	15	0	2.672	Fig.6
66	QPSK	1712.5	131997	5	25	0	4.457	Fig.7
66	QPSK	1755	132422	5	25	0	4.456	Fig.8
66	QPSK	1777.5	132647	5	25	0	4.453	Fig.9
66	QPSK	1715	132022	10	50	0	8.931	Fig.10
66	QPSK	1755	132422	10	50	0	8.932	Fig.11
66	QPSK	1775	132622	10	50	0	8.920	Fig.12
66	QPSK	1717.5	132047	15	75	0	13.362	Fig.13
66	QPSK	1755	132422	15	75	0	13.371	Fig.14
66	QPSK	1772.5	132597	15	75	0	13.374	Fig.15
66	QPSK	1720	132072	20	100	0	17.844	Fig.16
66	QPSK	1755	132422	20	100	0	17.876	Fig.17
66	QPSK	1770	132572	20	100	0	17.832	Fig.18

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
66	16QAM	1710.7	131979	1.4	6	0	1.076	Fig.19
66	16QAM	1755	132422	1.4	6	0	1.076	Fig.20
66	16QAM	1779.3	132665	1.4	6	0	1.075	Fig.21
66	16QAM	1711.5	131987	3	15	0	2.680	Fig.22
66	16QAM	1755	132422	3	15	0	2.668	Fig.23
66	16QAM	1778.5	132657	3	15	0	2.682	Fig.24
66	16QAM	1712.5	131997	5	25	0	4.458	Fig.25
66	16QAM	1755	132422	5	25	0	4.452	Fig.26
66	16QAM	1777.5	132647	5	25	0	4.460	Fig.27
66	16QAM	1715	132022	10	50	0	8.929	Fig.28
66	16QAM	1755	132422	10	50	0	8.911	Fig.29
66	16QAM	1775	132622	10	50	0	8.920	Fig.30
66	16QAM	1717.5	132047	15	75	0	13.361	Fig.31
66	16QAM	1755	132422	15	75	0	13.364	Fig.32
66	16QAM	1772.5	132597	15	75	0	13.365	Fig.33
66	16QAM	1720	132072	20	100	0	17.834	Fig.34
66	16QAM	1755	132422	20	100	0	17.849	Fig.35
66	16QAM	1770	132572	20	100	0	17.825	Fig.36

Test Mode: QPSK

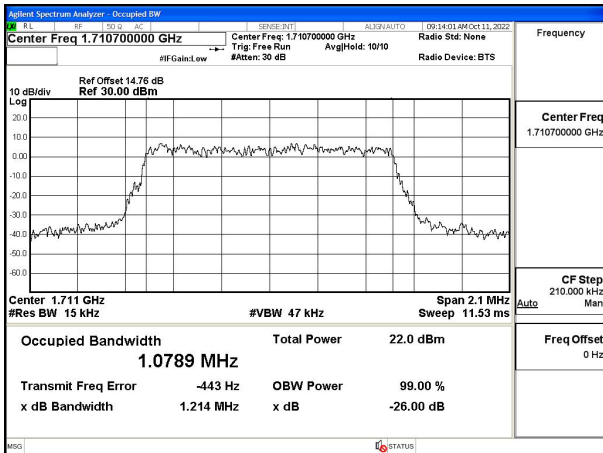


Fig.1

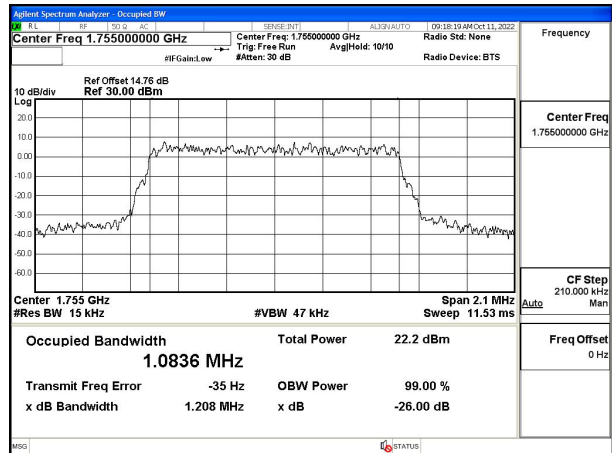


Fig.2

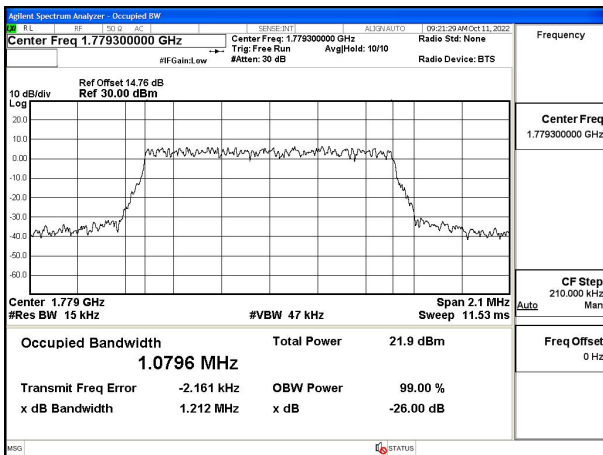


Fig.3

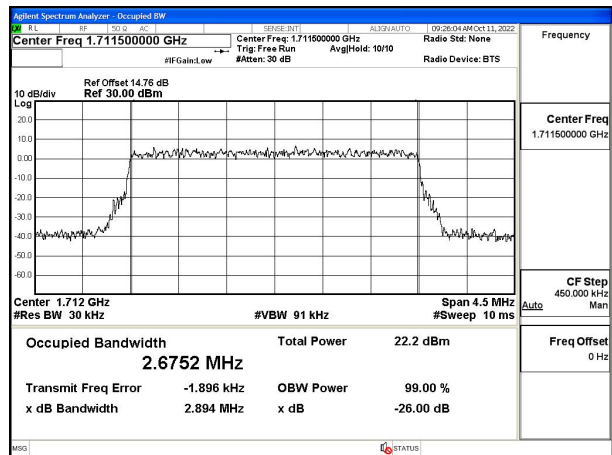


Fig.4

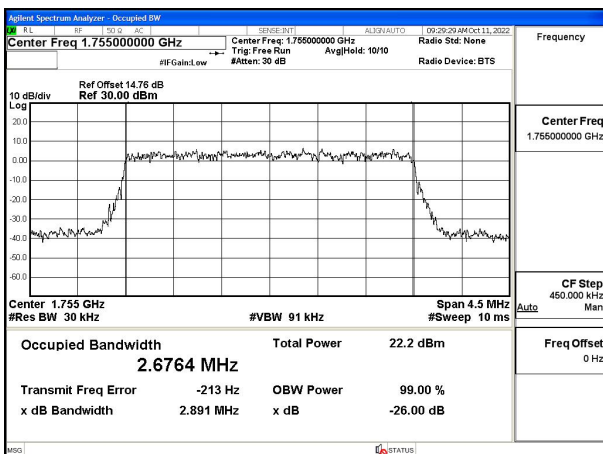


Fig.5

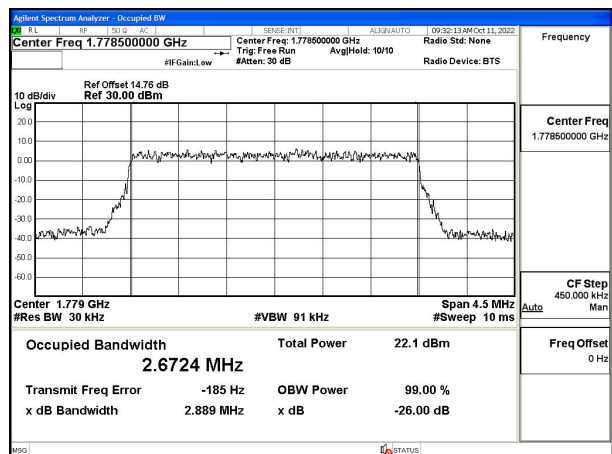


Fig.6

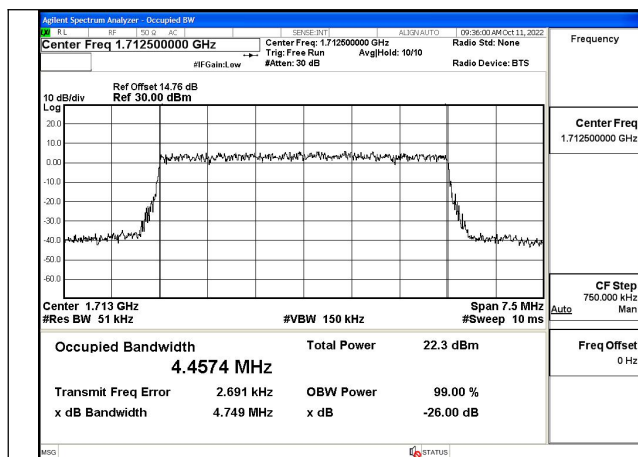


Fig.7

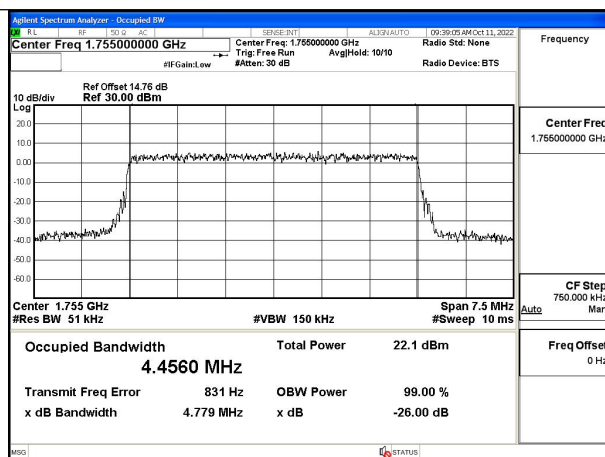


Fig.8

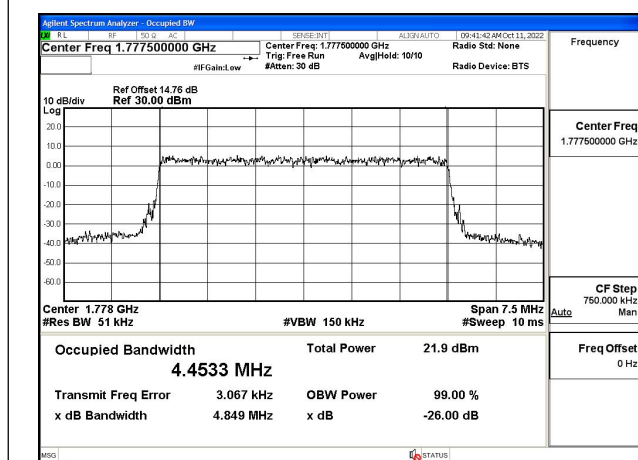


Fig.9

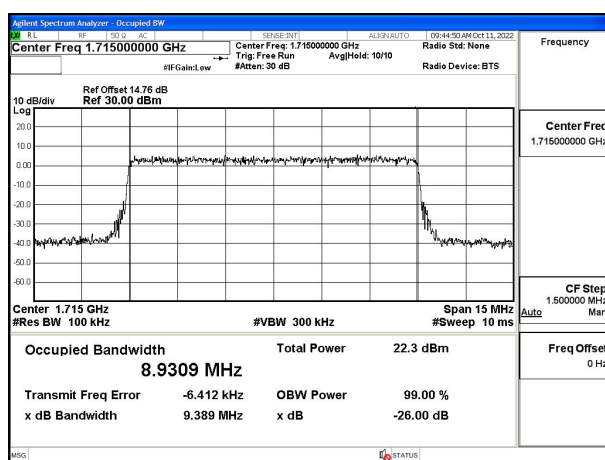


Fig.10

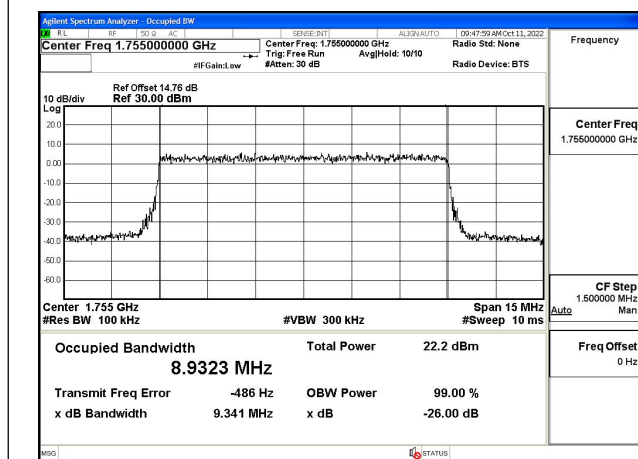


Fig.11

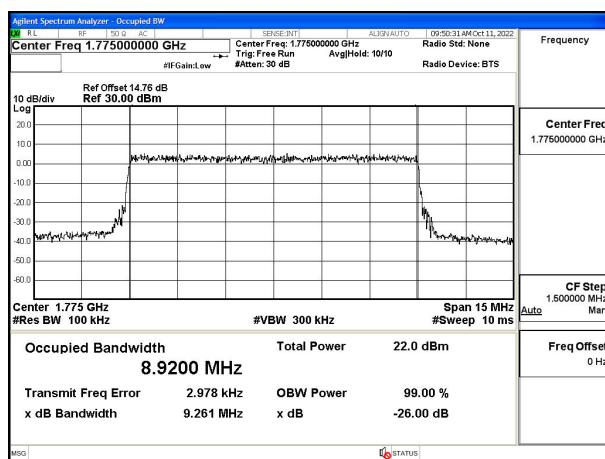


Fig.12

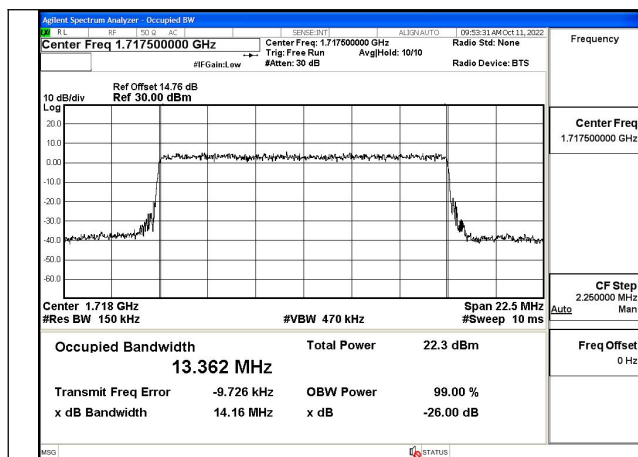


Fig.13

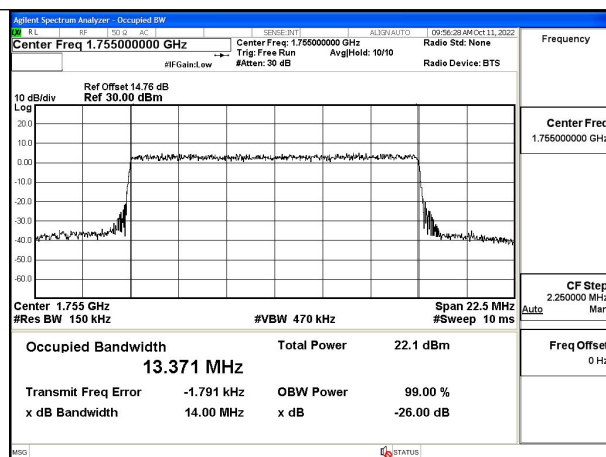


Fig.14

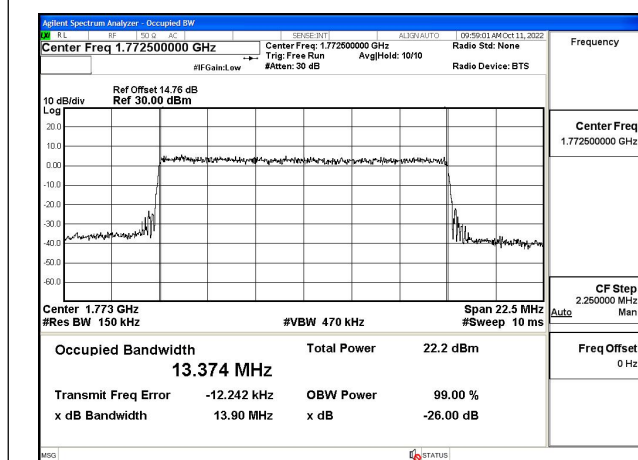


Fig.15

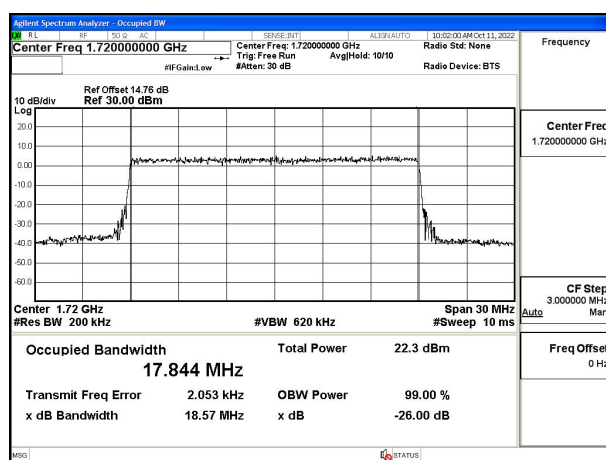


Fig.16

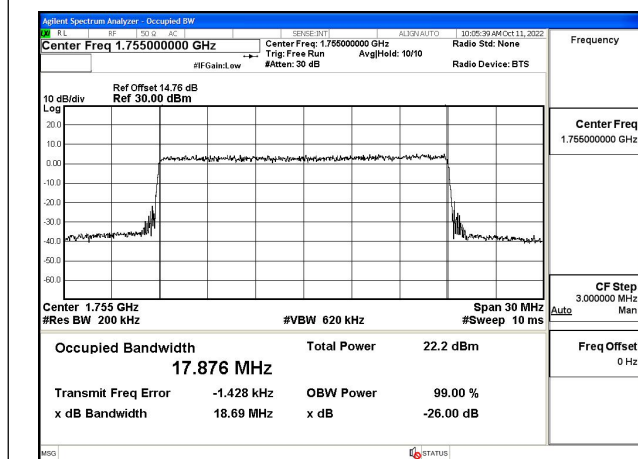


Fig.17

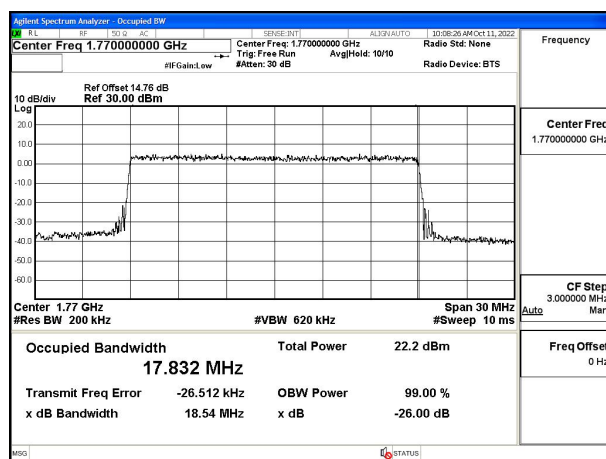


Fig.18

Test Mode: 16QAM

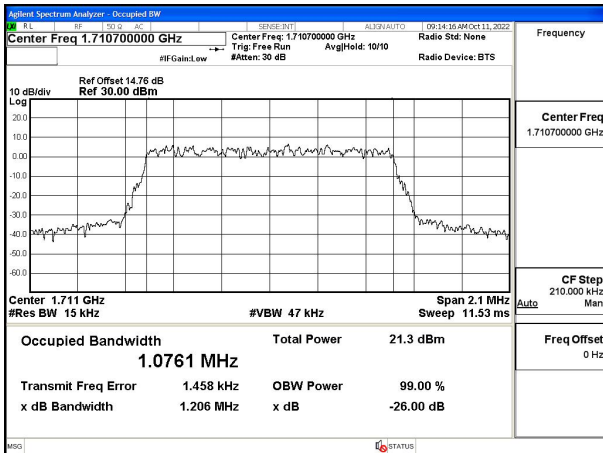


Fig.19

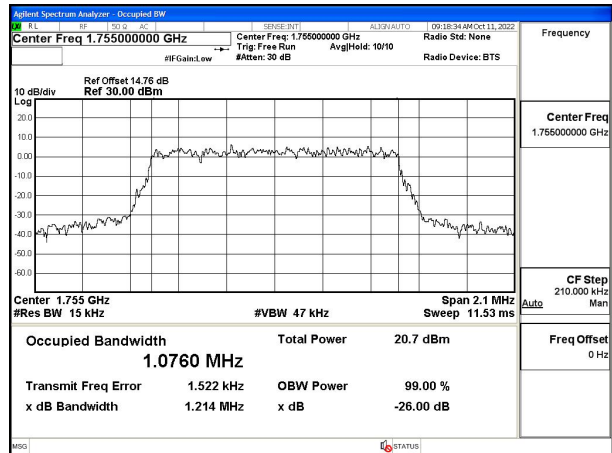


Fig.20

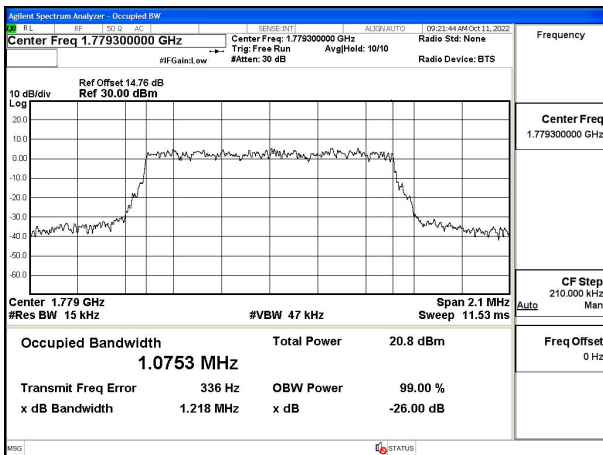


Fig.21

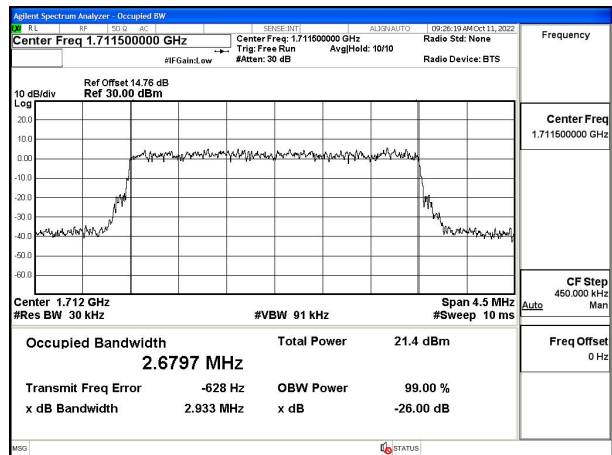


Fig.22

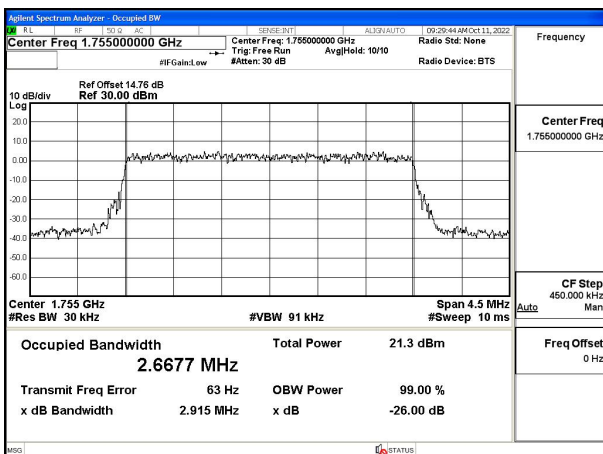


Fig.23

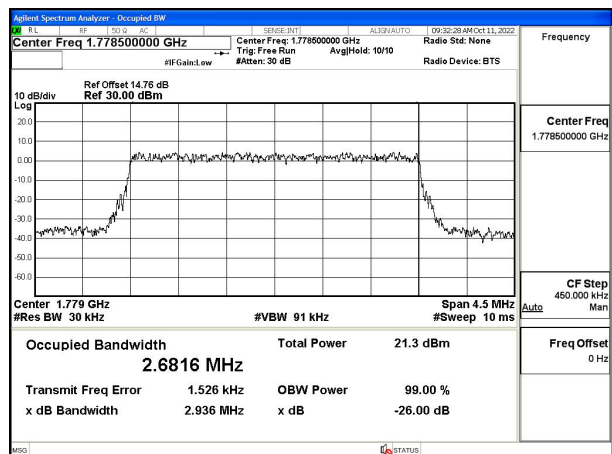


Fig.24

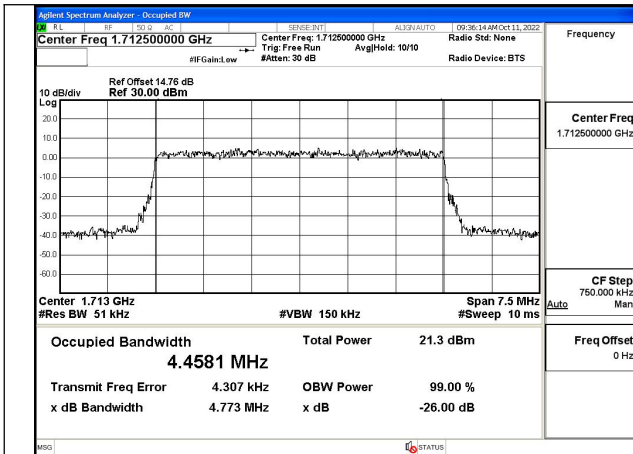


Fig.25

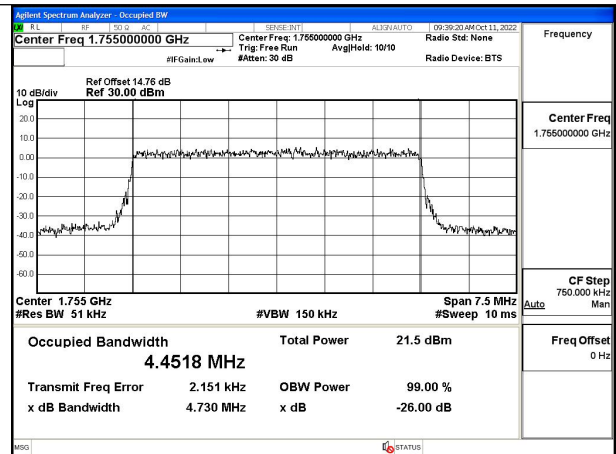


Fig.26

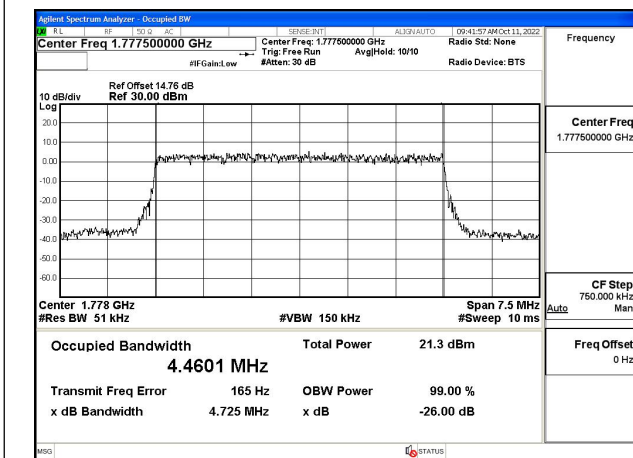


Fig.27

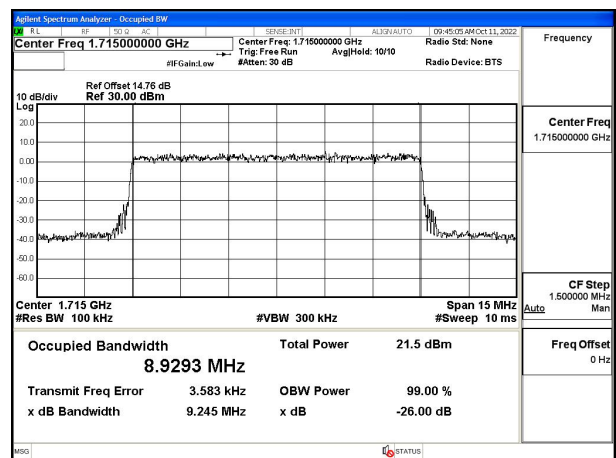


Fig.28

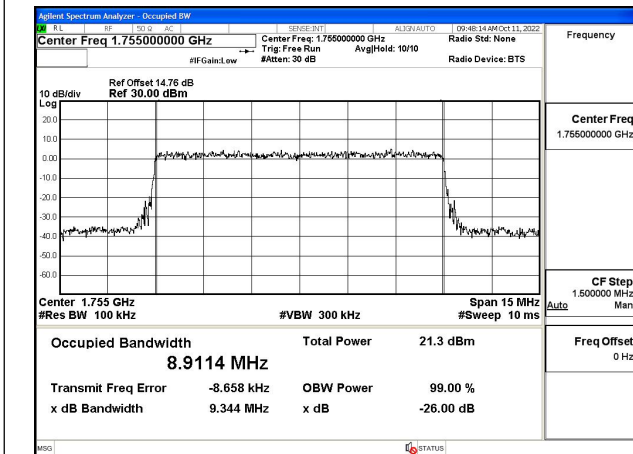


Fig.29

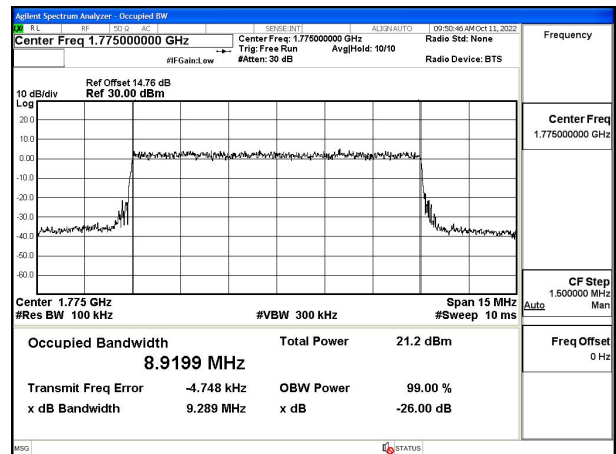


Fig.30

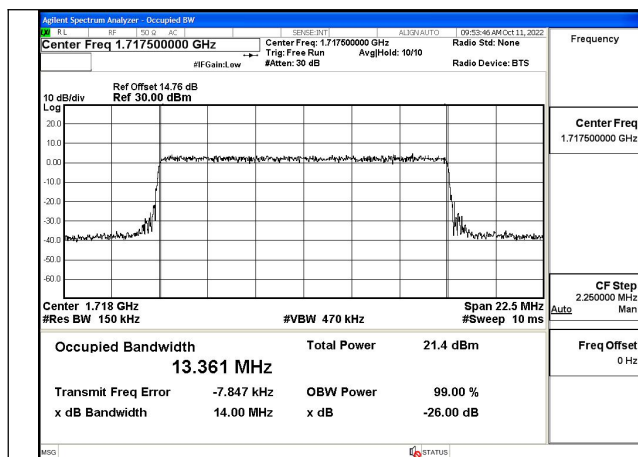


Fig.31

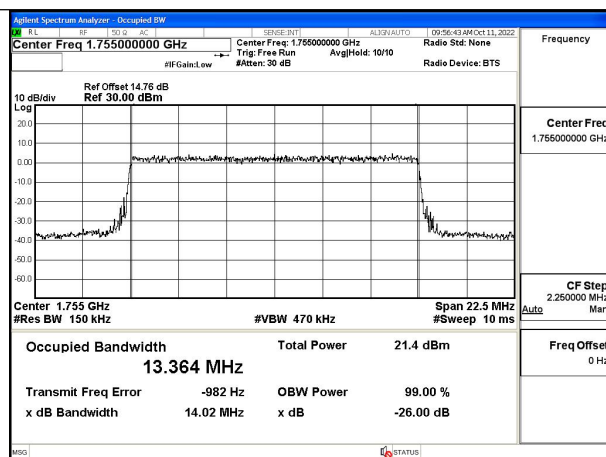


Fig.32

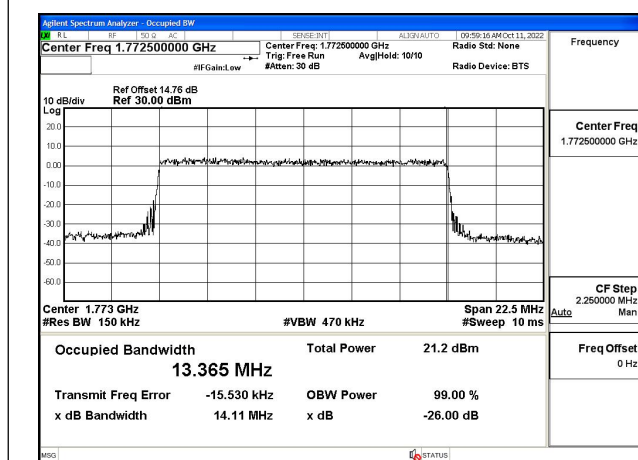


Fig.33

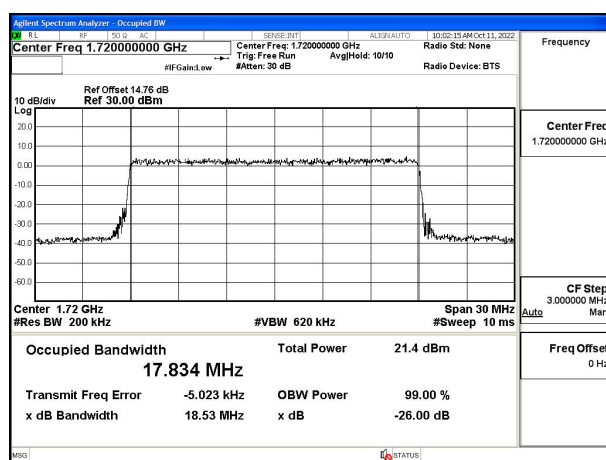


Fig.34

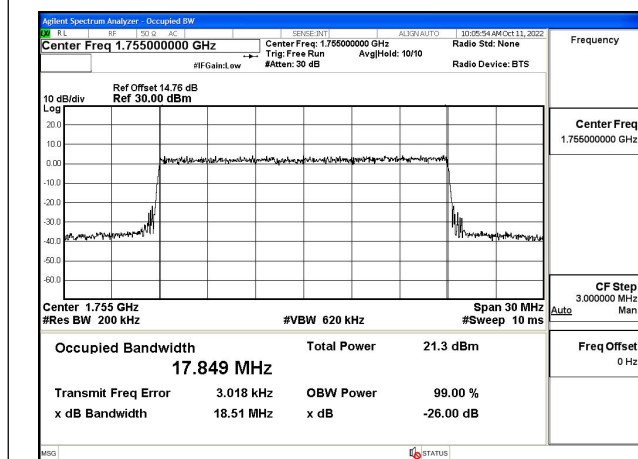


Fig.35

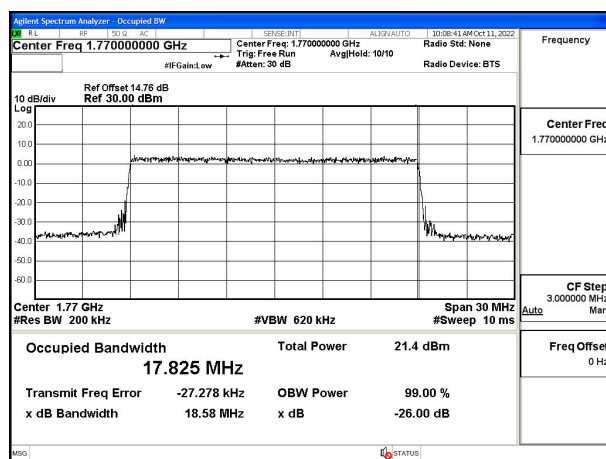


Fig.36

3 Emission Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
66	QPSK	1710.7	131979	1.4	6	0	1.214	Fig.1
66	QPSK	1755	132422	1.4	6	0	1.208	Fig.2
66	QPSK	1779.3	132665	1.4	6	0	1.212	Fig.3
66	QPSK	1711.5	131987	3	15	0	2.894	Fig.4
66	QPSK	1755	132422	3	15	0	2.891	Fig.5
66	QPSK	1778.5	132657	3	15	0	2.889	Fig.6
66	QPSK	1712.5	131997	5	25	0	4.749	Fig.7
66	QPSK	1755	132422	5	25	0	4.779	Fig.8
66	QPSK	1777.5	132647	5	25	0	4.849	Fig.9
66	QPSK	1715	132022	10	50	0	9.389	Fig.10
66	QPSK	1755	132422	10	50	0	9.341	Fig.11
66	QPSK	1775	132622	10	50	0	9.261	Fig.12
66	QPSK	1717.5	132047	15	75	0	14.157	Fig.13
66	QPSK	1755	132422	15	75	0	14.003	Fig.14
66	QPSK	1772.5	132597	15	75	0	13.902	Fig.15
66	QPSK	1720	132072	20	100	0	18.567	Fig.16
66	QPSK	1755	132422	20	100	0	18.691	Fig.17
66	QPSK	1770	132572	20	100	0	18.538	Fig.18

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
66	16QAM	1710.7	131979	1.4	6	0	1.206	Fig.19
66	16QAM	1755	132422	1.4	6	0	1.214	Fig.20
66	16QAM	1779.3	132665	1.4	6	0	1.218	Fig.21
66	16QAM	1711.5	131987	3	15	0	2.933	Fig.22
66	16QAM	1755	132422	3	15	0	2.915	Fig.23
66	16QAM	1778.5	132657	3	15	0	2.936	Fig.24
66	16QAM	1712.5	131997	5	25	0	4.773	Fig.25
66	16QAM	1755	132422	5	25	0	4.730	Fig.26
66	16QAM	1777.5	132647	5	25	0	4.725	Fig.27
66	16QAM	1715	132022	10	50	0	9.245	Fig.28
66	16QAM	1755	132422	10	50	0	9.344	Fig.29
66	16QAM	1775	132622	10	50	0	9.289	Fig.30
66	16QAM	1717.5	132047	15	75	0	14.003	Fig.31
66	16QAM	1755	132422	15	75	0	14.023	Fig.32
66	16QAM	1772.5	132597	15	75	0	14.106	Fig.33
66	16QAM	1720	132072	20	100	0	18.527	Fig.34
66	16QAM	1755	132422	20	100	0	18.513	Fig.35
66	16QAM	1770	132572	20	100	0	18.580	Fig.36

Test Mode: QPSK

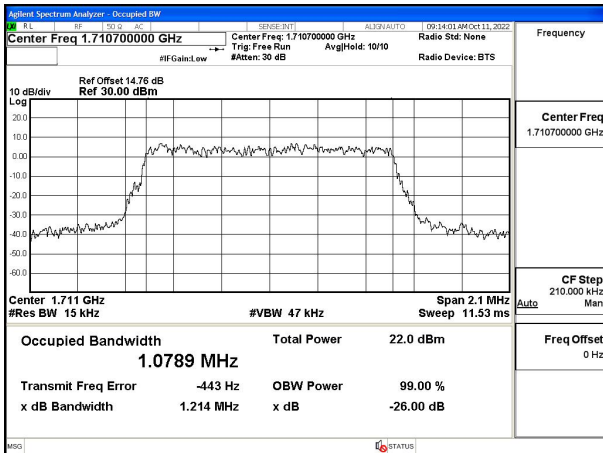


Fig.1

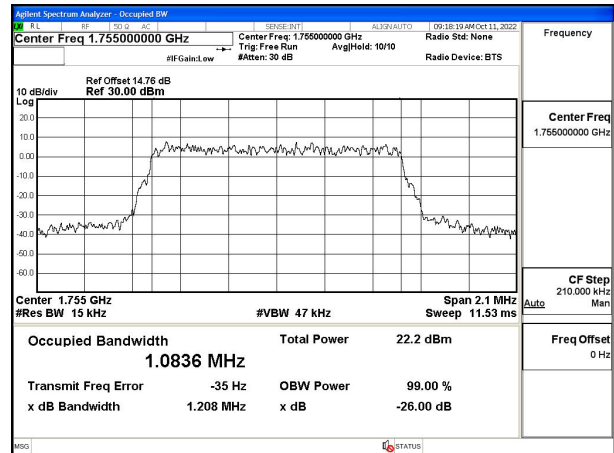


Fig.2

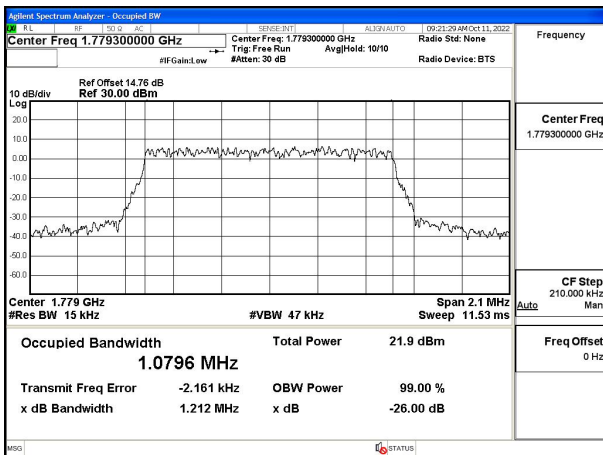


Fig.3

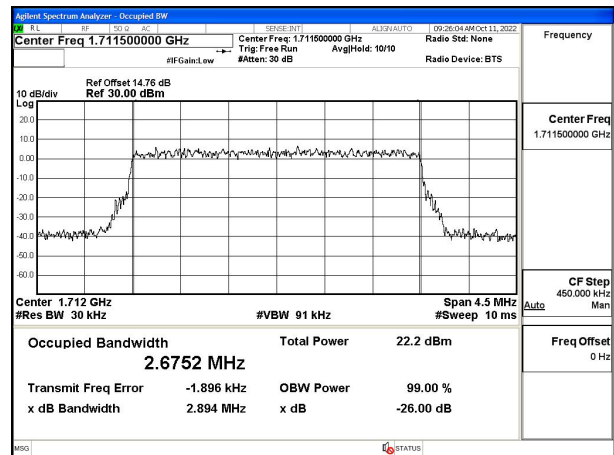


Fig.4

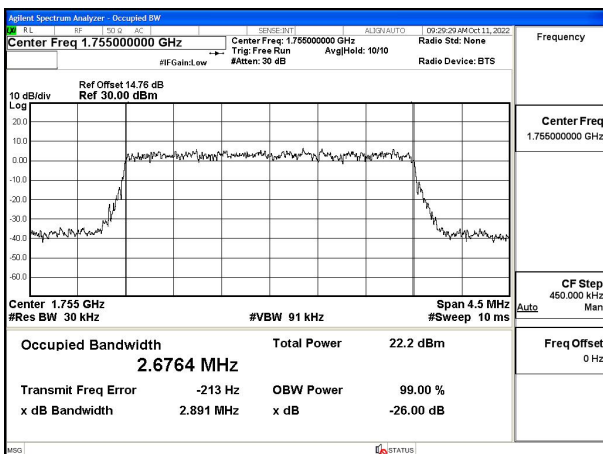


Fig.5

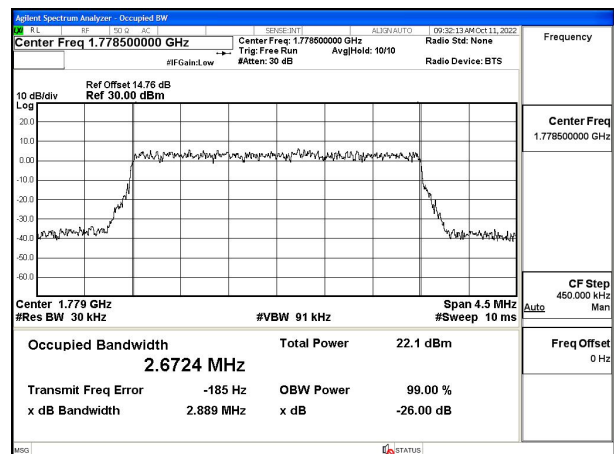


Fig.6