

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 2

1 RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1880	18900	1.4	1	0	22.55
QPSK	1880	18900	1.4	1	3	22.77
QPSK	1880	18900	1.4	1	5	22.52
QPSK	1880	18900	1.4	3	0	22.68
QPSK	1880	18900	1.4	3	1	22.79
QPSK	1880	18900	1.4	3	3	22.76
QPSK	1880	18900	1.4	6	0	21.67
QPSK	1909.3	19193	1.4	1	0	22.39
QPSK	1909.3	19193	1.4	1	3	22.61
QPSK	1909.3	19193	1.4	1	5	22.41
QPSK	1909.3	19193	1.4	3	0	22.51
QPSK	1909.3	19193	1.4	3	1	22.60
QPSK	1909.3	19193	1.4	3	3	22.44
QPSK	1909.3	19193	1.4	6	0	21.51
QPSK	1850.7	18607	1.4	1	0	22.48
QPSK	1850.7	18607	1.4	1	3	22.68
QPSK	1850.7	18607	1.4	1	5	22.51
QPSK	1850.7	18607	1.4	3	0	22.54
QPSK	1850.7	18607	1.4	3	1	22.75
QPSK	1850.7	18607	1.4	3	3	22.70
QPSK	1850.7	18607	1.4	6	0	21.69

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	1850.7	18607	1.4	1	0	21.84
16QAM	1850.7	18607	1.4	1	3	22.05
16QAM	1850.7	18607	1.4	1	5	21.83
16QAM	1850.7	18607	1.4	3	0	21.46
16QAM	1850.7	18607	1.4	3	1	21.53
16QAM	1850.7	18607	1.4	3	3	21.66
16QAM	1850.7	18607	1.4	6	0	20.71
16QAM	1880	18900	1.4	1	0	21.65
16QAM	1880	18900	1.4	1	3	21.85
16QAM	1880	18900	1.4	1	5	21.59
16QAM	1880	18900	1.4	3	0	21.84
16QAM	1880	18900	1.4	3	1	21.91
16QAM	1880	18900	1.4	3	3	21.84
16QAM	1880	18900	1.4	6	0	20.87
16QAM	1909.3	19193	1.4	1	0	21.60

16QAM	1909.3	19193	1.4	1	3	21.80
16QAM	1909.3	19193	1.4	1	5	21.67
16QAM	1909.3	19193	1.4	3	0	21.49
16QAM	1909.3	19193	1.4	3	1	21.56
16QAM	1909.3	19193	1.4	3	3	21.44
16QAM	1909.3	19193	1.4	6	0	20.49
64QAM	1850.7	18607	1.4	1	0	22.80
64QAM	1850.7	18607	1.4	1	3	22.79
64QAM	1850.7	18607	1.4	1	5	22.68
64QAM	1850.7	18607	1.4	3	0	22.75
64QAM	1850.7	18607	1.4	3	1	22.72
64QAM	1850.7	18607	1.4	3	3	22.81
64QAM	1850.7	18607	1.4	6	0	21.58
64QAM	1880	18900	1.4	1	0	23.54
64QAM	1880	18900	1.4	1	3	23.48
64QAM	1880	18900	1.4	1	5	23.33
64QAM	1880	18900	1.4	3	0	22.83
64QAM	1880	18900	1.4	3	1	22.86
64QAM	1880	18900	1.4	3	3	22.91
64QAM	1880	18900	1.4	6	0	21.90
64QAM	1909.3	19193	1.4	1	0	22.48
64QAM	1909.3	19193	1.4	1	3	22.52
64QAM	1909.3	19193	1.4	1	5	22.48
64QAM	1909.3	19193	1.4	3	0	22.38
64QAM	1909.3	19193	1.4	3	1	22.67
64QAM	1909.3	19193	1.4	3	3	22.45
64QAM	1909.3	19193	1.4	6	0	21.11

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1851.5	18615	3	1	0	22.58
QPSK	1851.5	18615	3	1	8	22.52
QPSK	1851.5	18615	3	1	14	22.57
QPSK	1851.5	18615	3	8	0	21.70
QPSK	1851.5	18615	3	8	4	21.69
QPSK	1851.5	18615	3	8	7	21.62
QPSK	1851.5	18615	3	15	0	21.66
QPSK	1880	18900	3	1	0	22.76
QPSK	1880	18900	3	1	8	22.75
QPSK	1880	18900	3	1	14	22.70
QPSK	1880	18900	3	8	0	21.72
QPSK	1880	18900	3	8	4	21.76
QPSK	1880	18900	3	8	7	21.76
QPSK	1880	18900	3	15	0	21.76

QPSK	1908.5	19185	3	1	0	22.48
QPSK	1908.5	19185	3	1	8	22.53
QPSK	1908.5	19185	3	1	14	22.60
QPSK	1908.5	19185	3	8	0	21.57
QPSK	1908.5	19185	3	8	4	21.56
QPSK	1908.5	19185	3	8	7	21.57
QPSK	1908.5	19185	3	15	0	21.51

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	1851.5	18615	3	1	0	22.12
16QAM	1851.5	18615	3	1	8	22.18
16QAM	1851.5	18615	3	1	14	22.19
16QAM	1851.5	18615	3	8	0	20.67
16QAM	1851.5	18615	3	8	4	20.74
16QAM	1851.5	18615	3	8	7	20.73
16QAM	1851.5	18615	3	15	0	20.66
16QAM	1880	18900	3	1	0	22.09
16QAM	1880	18900	3	1	8	21.96
16QAM	1880	18900	3	1	14	21.93
16QAM	1880	18900	3	8	0	20.72
16QAM	1880	18900	3	8	4	20.78
16QAM	1880	18900	3	8	7	20.73
16QAM	1880	18900	3	15	0	20.82
16QAM	1908.5	19185	3	1	0	21.69
16QAM	1908.5	19185	3	1	8	21.68
16QAM	1908.5	19185	3	1	14	21.69
16QAM	1908.5	19185	3	8	0	20.57
16QAM	1908.5	19185	3	8	4	20.53
16QAM	1908.5	19185	3	8	7	20.51
16QAM	1908.5	19185	3	15	0	20.53
64QAM	1851.5	18615	3	1	0	23.29
64QAM	1851.5	18615	3	1	8	22.91
64QAM	1851.5	18615	3	1	14	22.62
64QAM	1851.5	18615	3	8	0	21.81
64QAM	1851.5	18615	3	8	4	21.78
64QAM	1851.5	18615	3	8	7	21.96
64QAM	1851.5	18615	3	15	0	-999.00

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1852.5	18625	5	1	0	22.44
QPSK	1852.5	18625	5	1	12	22.71
QPSK	1852.5	18625	5	1	24	22.43
QPSK	1852.5	18625	5	12	0	21.61
QPSK	1852.5	18625	5	12	7	21.76
QPSK	1852.5	18625	5	12	13	21.62
QPSK	1852.5	18625	5	25	0	21.71
QPSK	1880	18900	5	1	0	22.67
QPSK	1880	18900	5	1	12	22.94
QPSK	1880	18900	5	1	24	22.63
QPSK	1880	18900	5	12	0	21.77
QPSK	1880	18900	5	12	7	21.81
QPSK	1880	18900	5	12	13	21.79
QPSK	1880	18900	5	25	0	21.77
QPSK	1907.5	19175	5	1	0	22.40
QPSK	1907.5	19175	5	1	12	22.69
QPSK	1907.5	19175	5	1	24	22.45
QPSK	1907.5	19175	5	12	0	21.55
QPSK	1907.5	19175	5	12	7	21.58
QPSK	1907.5	19175	5	12	13	21.53
QPSK	1907.5	19175	5	25	0	21.57

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	1852.5	18625	5	1	0	21.70
16QAM	1852.5	18625	5	1	12	21.95
16QAM	1852.5	18625	5	1	24	21.65
16QAM	1852.5	18625	5	12	0	20.59
16QAM	1852.5	18625	5	12	7	20.74
16QAM	1852.5	18625	5	12	13	20.67
16QAM	1852.5	18625	5	25	0	20.70
16QAM	1880	18900	5	1	0	22.05
16QAM	1880	18900	5	1	12	22.34
16QAM	1880	18900	5	1	24	22.01
16QAM	1880	18900	5	12	0	20.73
16QAM	1880	18900	5	12	7	20.74
16QAM	1880	18900	5	12	13	20.66
16QAM	1880	18900	5	25	0	20.77
16QAM	1907.5	19175	5	1	0	21.64
16QAM	1907.5	19175	5	1	12	21.89
16QAM	1907.5	19175	5	1	24	21.73

16QAM	1907.5	19175	5	12	0	20.54
16QAM	1907.5	19175	5	12	7	20.50
16QAM	1907.5	19175	5	12	13	20.43
16QAM	1907.5	19175	5	25	0	20.51

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1855	18650	10	1	0	22.56
QPSK	1855	18650	10	1	25	22.73
QPSK	1855	18650	10	1	49	22.73
QPSK	1855	18650	10	25	0	21.70
QPSK	1855	18650	10	25	12	21.74
QPSK	1855	18650	10	25	25	21.78
QPSK	1855	18650	10	50	0	21.81
QPSK	1880	18900	10	1	0	22.79
QPSK	1880	18900	10	1	25	22.93
QPSK	1880	18900	10	1	49	22.70
QPSK	1880	18900	10	25	0	21.84
QPSK	1880	18900	10	25	12	21.85
QPSK	1880	18900	10	25	25	21.80
QPSK	1880	18900	10	50	0	21.81
QPSK	1905	19150	10	1	0	22.60
QPSK	1905	19150	10	1	25	22.74
QPSK	1905	19150	10	1	49	22.56
QPSK	1905	19150	10	25	0	21.70
QPSK	1905	19150	10	25	12	21.67
QPSK	1905	19150	10	25	25	21.58
QPSK	1905	19150	10	50	0	21.67

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	1855	18650	10	1	0	22.29
16QAM	1855	18650	10	1	25	22.43
16QAM	1855	18650	10	1	49	22.39
16QAM	1855	18650	10	25	0	20.77
16QAM	1855	18650	10	25	12	20.79
16QAM	1855	18650	10	25	25	20.84
16QAM	1855	18650	10	50	0	20.83
16QAM	1905	19150	10	1	0	21.73
16QAM	1905	19150	10	1	25	21.84
16QAM	1905	19150	10	1	49	21.71
16QAM	1905	19150	10	25	0	20.69
16QAM	1905	19150	10	25	12	20.68
16QAM	1905	19150	10	25	25	20.65

16QAM	1880	18900	10	1	0	21.99
16QAM	1880	18900	10	1	25	22.11
16QAM	1880	18900	10	1	49	21.92
16QAM	1880	18900	10	25	0	20.83
16QAM	1880	18900	10	25	12	20.91
16QAM	1880	18900	10	25	25	20.87
16QAM	1880	18900	10	50	0	20.78
16QAM	1905	19150	10	50	0	20.66

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1857.5	18675	15	1	0	22.50
QPSK	1857.5	18675	15	1	37	22.89
QPSK	1857.5	18675	15	1	74	22.72
QPSK	1857.5	18675	15	36	0	21.72
QPSK	1857.5	18675	15	36	29	21.84
QPSK	1880	18900	15	1	0	22.75
QPSK	1880	18900	15	1	37	22.97
QPSK	1880	18900	15	1	74	22.55
QPSK	1880	18900	15	36	0	21.80
QPSK	1902.5	19125	15	1	0	22.53
QPSK	1902.5	19125	15	1	37	22.76
QPSK	1902.5	19125	15	1	74	22.45
QPSK	1902.5	19125	15	36	0	21.73
QPSK	1857.5	18675	15	36	30	21.86
QPSK	1857.5	18675	15	75	0	21.74
QPSK	1880	18900	15	36	29	21.85
QPSK	1880	18900	15	36	30	21.88
QPSK	1880	18900	15	75	0	21.82
QPSK	1902.5	19125	15	36	29	21.64
QPSK	1902.5	19125	15	36	30	21.68
QPSK	1902.5	19125	15	75	0	21.65

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	1857.5	18675	15	1	0	22.16
16QAM	1857.5	18675	15	1	37	22.43
16QAM	1857.5	18675	15	1	74	22.34
16QAM	1857.5	18675	15	36	0	20.78
16QAM	1857.5	18675	15	36	29	20.86
16QAM	1857.5	18675	15	36	30	20.86
16QAM	1857.5	18675	15	75	0	20.86
16QAM	1880	18900	15	1	0	21.90
16QAM	1880	18900	15	1	37	22.23
16QAM	1880	18900	15	1	74	21.79
16QAM	1880	18900	15	36	0	20.87
16QAM	1880	18900	15	36	29	20.90
16QAM	1880	18900	15	36	30	20.91
16QAM	1880	18900	15	75	0	20.90
16QAM	1902.5	19125	15	1	0	21.92
16QAM	1902.5	19125	15	1	37	22.11
16QAM	1902.5	19125	15	1	74	21.80
16QAM	1902.5	19125	15	36	0	20.66
16QAM	1902.5	19125	15	36	29	20.61
16QAM	1902.5	19125	15	36	30	20.65
16QAM	1902.5	19125	15	75	0	20.66

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1860	18700	20	1	0	22.44
QPSK	1860	18700	20	1	49	22.83
QPSK	1860	18700	20	1	99	22.62
QPSK	1860	18700	20	50	0	21.82
QPSK	1880	18900	20	1	0	22.61
QPSK	1880	18900	20	1	49	22.94
QPSK	1880	18900	20	1	99	22.55
QPSK	1880	18900	20	50	0	21.83
QPSK	1860	18700	20	50	24	21.84
QPSK	1860	18700	20	50	50	22.03
QPSK	1860	18700	20	100	0	21.93
QPSK	1880	18900	20	50	24	21.85
QPSK	1880	18900	20	50	50	21.77
QPSK	1880	18900	20	100	0	21.93
QPSK	1900	19100	20	1	0	22.45
QPSK	1900	19100	20	1	49	22.65
QPSK	1900	19100	20	1	99	22.37

QPSK	1900	19100	20	50	0	21.81
QPSK	1900	19100	20	50	24	21.71
QPSK	1900	19100	20	50	50	21.61
QPSK	1900	19100	20	100	0	21.67

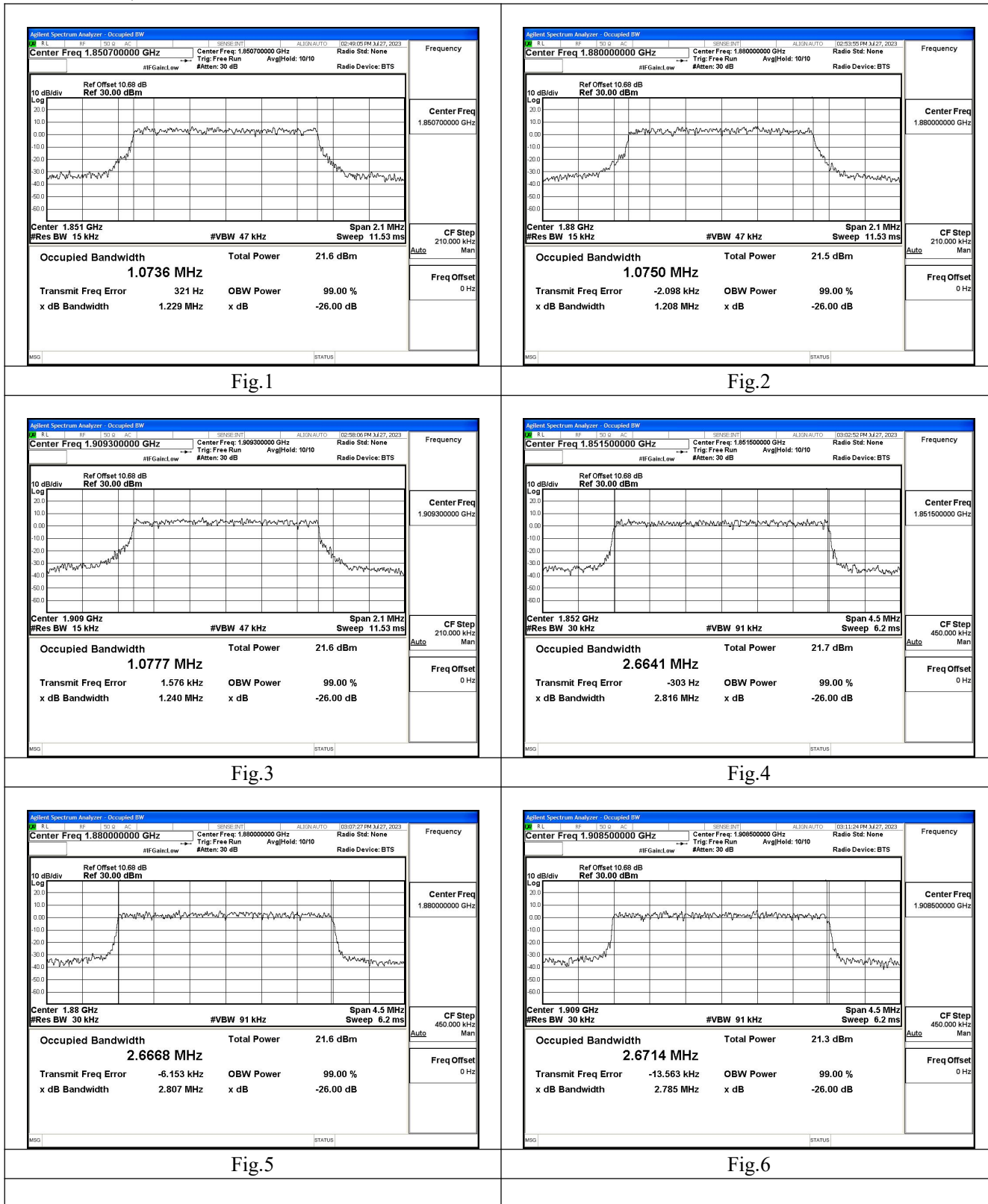
Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	1860	18700	20	1	0	21.92
16QAM	1860	18700	20	1	49	22.22
16QAM	1860	18700	20	1	99	21.97
16QAM	1860	18700	20	50	0	20.82
16QAM	1860	18700	20	50	24	20.94
16QAM	1860	18700	20	50	50	21.05
16QAM	1860	18700	20	100	0	20.98
16QAM	1880	18900	20	1	0	21.92
16QAM	1880	18900	20	1	49	22.33
16QAM	1880	18900	20	1	99	21.82
16QAM	1880	18900	20	50	0	20.92
16QAM	1880	18900	20	50	24	20.86
16QAM	1880	18900	20	50	50	20.84
16QAM	1880	18900	20	100	0	20.86
16QAM	1900	19100	20	1	0	21.90
16QAM	1900	19100	20	1	49	22.04
16QAM	1900	19100	20	1	99	21.67
16QAM	1900	19100	20	50	0	20.82
16QAM	1900	19100	20	50	24	20.78
16QAM	1900	19100	20	50	50	20.53
16QAM	1900	19100	20	100	0	20.72

2 Occupied Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
2	QPSK	1850.7	18607	1.4	6	0	1.074	Fig.1
2	QPSK	1880	18900	1.4	6	0	1.075	Fig.2
2	QPSK	1909.3	19193	1.4	6	0	1.078	Fig.3
2	QPSK	1851.5	18615	3	15	0	2.664	Fig.4
2	QPSK	1880	18900	3	15	0	2.667	Fig.5
2	QPSK	1908.5	19185	3	15	0	2.671	Fig.6
2	QPSK	1852.5	18625	5	25	0	4.478	Fig.7
2	QPSK	1880	18900	5	25	0	4.454	Fig.8
2	QPSK	1907.5	19175	5	25	0	4.446	Fig.9
2	QPSK	1855	18650	10	50	0	8.932	Fig.10
2	QPSK	1880	18900	10	50	0	8.922	Fig.11
2	QPSK	1905	19150	10	50	0	8.894	Fig.12
2	QPSK	1857.5	18675	15	75	0	13.379	Fig.13
2	QPSK	1880	18900	15	75	0	13.346	Fig.14
2	QPSK	1902.5	19125	15	75	0	13.401	Fig.15
2	QPSK	1860	18700	20	100	0	17.740	Fig.16
2	QPSK	1880	18900	20	100	0	17.849	Fig.17
2	QPSK	1900	19100	20	100	0	17.854	Fig.18

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
2	16QAM	1850.7	18607	1.4	6	0	1.071	Fig.19
2	16QAM	1880	18900	1.4	6	0	1.073	Fig.20
2	16QAM	1909.3	19193	1.4	6	0	1.074	Fig.21
2	16QAM	1851.5	18615	3	15	0	2.671	Fig.22
2	16QAM	1880	18900	3	15	0	2.671	Fig.23
2	16QAM	1908.5	19185	3	15	0	2.677	Fig.24
2	16QAM	1852.5	18625	5	25	0	4.471	Fig.25
2	16QAM	1880	18900	5	25	0	4.460	Fig.26
2	16QAM	1907.5	19175	5	25	0	4.432	Fig.27
2	16QAM	1855	18650	10	50	0	8.865	Fig.28
2	16QAM	1880	18900	10	50	0	8.917	Fig.29
2	16QAM	1905	19150	10	50	0	8.921	Fig.30
2	16QAM	1857.5	18675	15	75	0	13.378	Fig.31
2	16QAM	1880	18900	15	75	0	13.337	Fig.32
2	16QAM	1902.5	19125	15	75	0	13.287	Fig.33
2	16QAM	1860	18700	20	100	0	17.876	Fig.34
2	16QAM	1880	18900	20	100	0	17.745	Fig.35
2	16QAM	1900	19100	20	100	0	17.835	Fig.36

Test Mode: QPSK



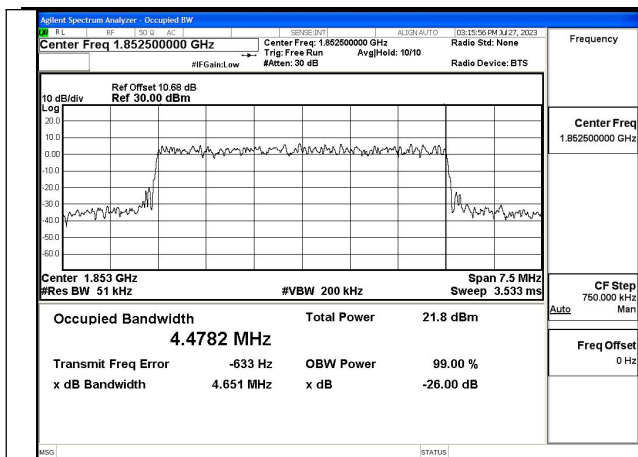


Fig.7

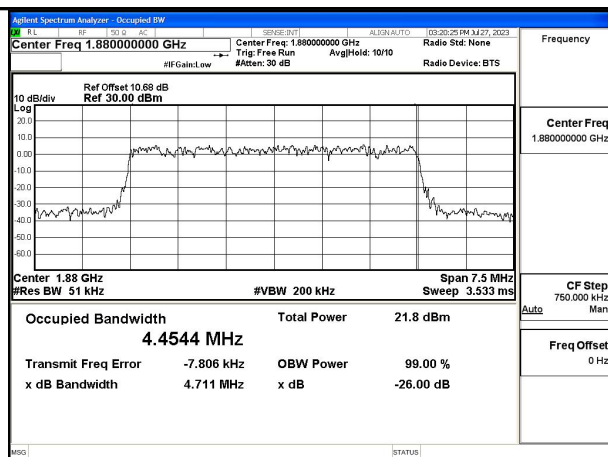


Fig.8

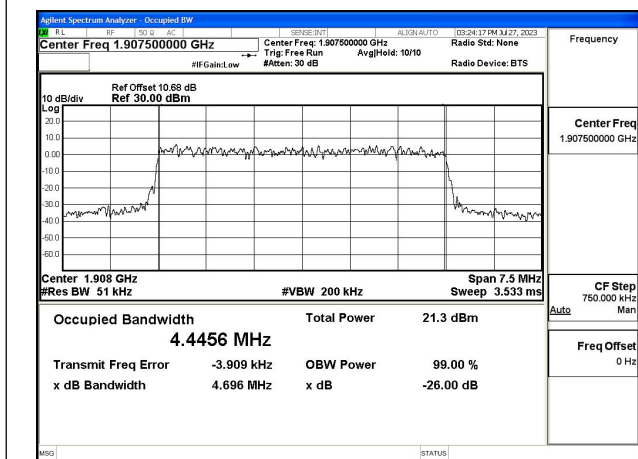


Fig.9

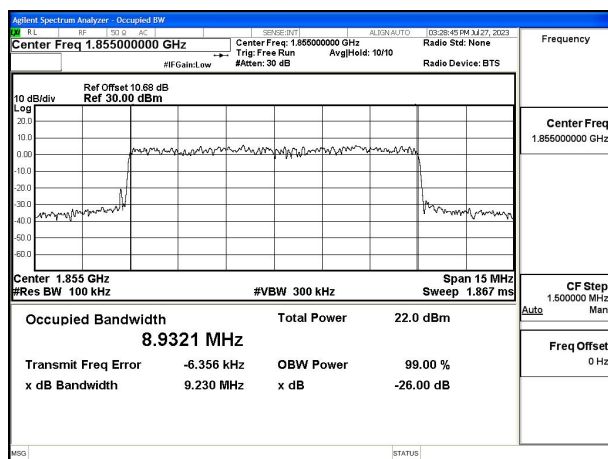


Fig.10

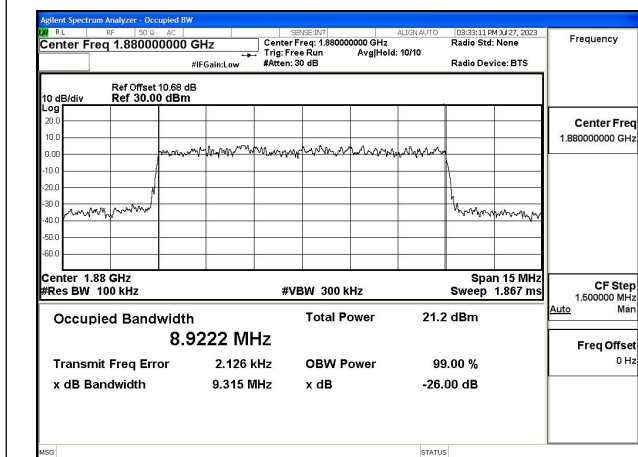


Fig.11

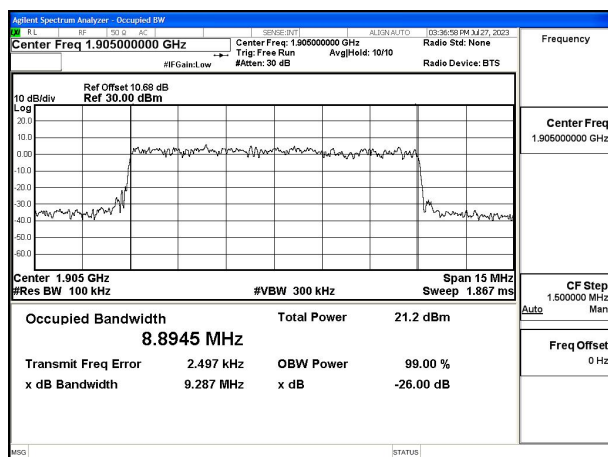


Fig.12

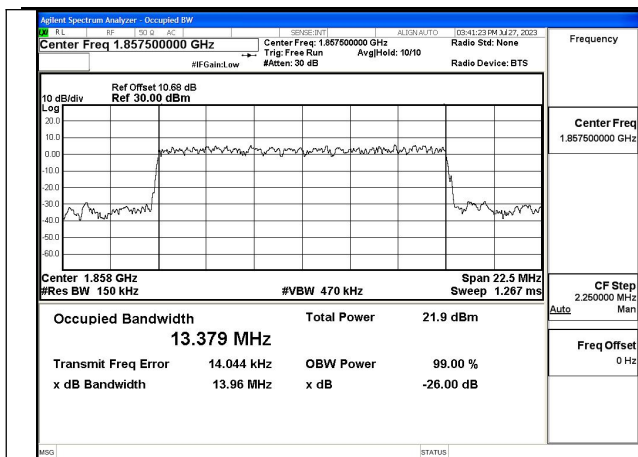


Fig.13

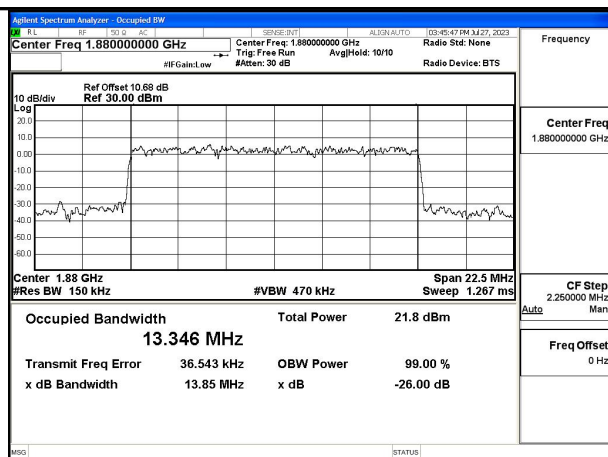


Fig.14

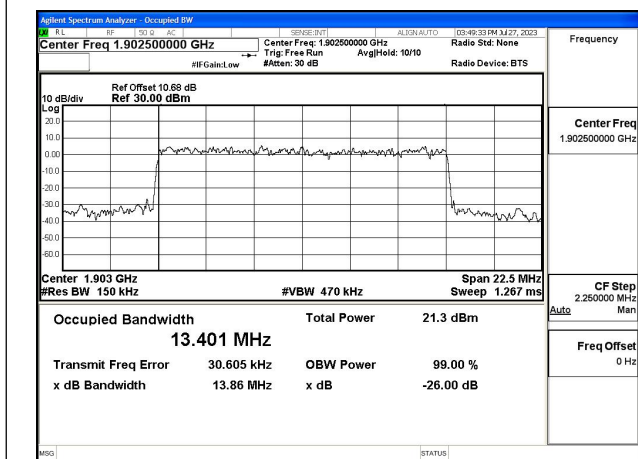


Fig.15

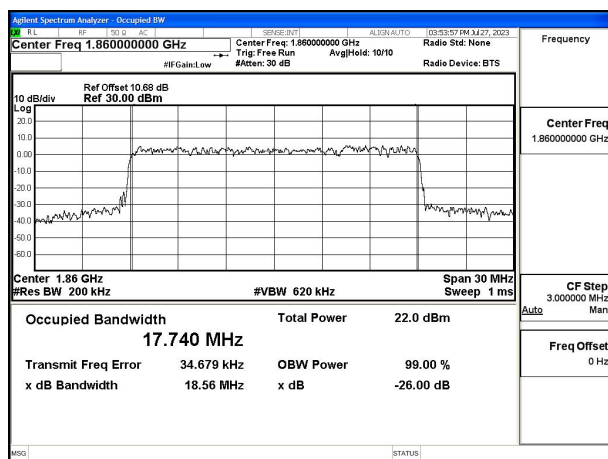


Fig.16

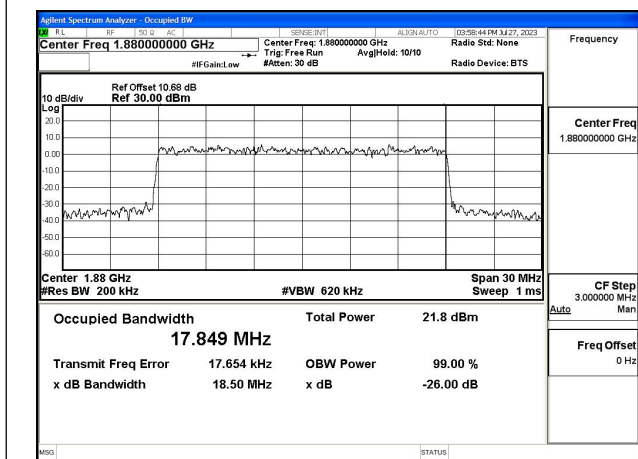


Fig.17

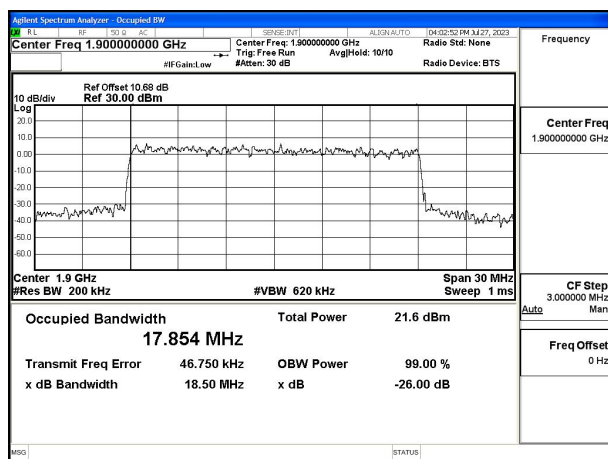


Fig.18

Test Mode: 16QAM

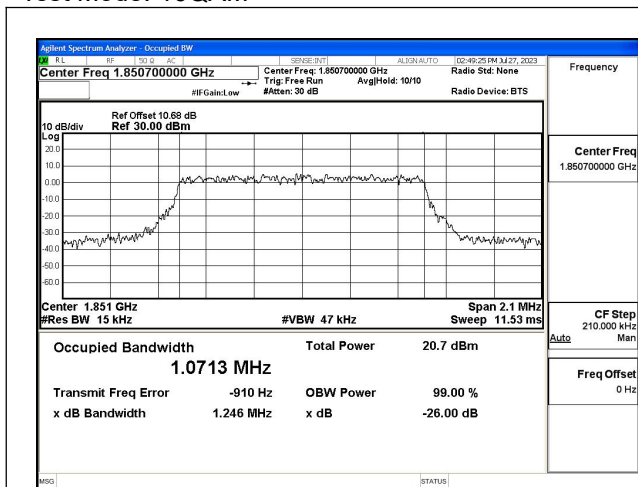


Fig.19

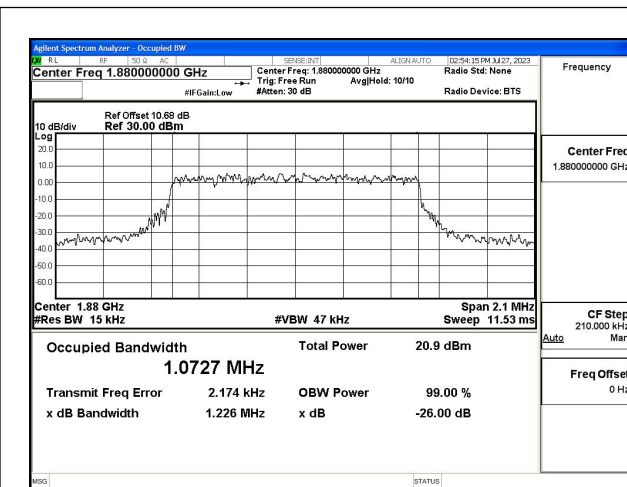


Fig.20

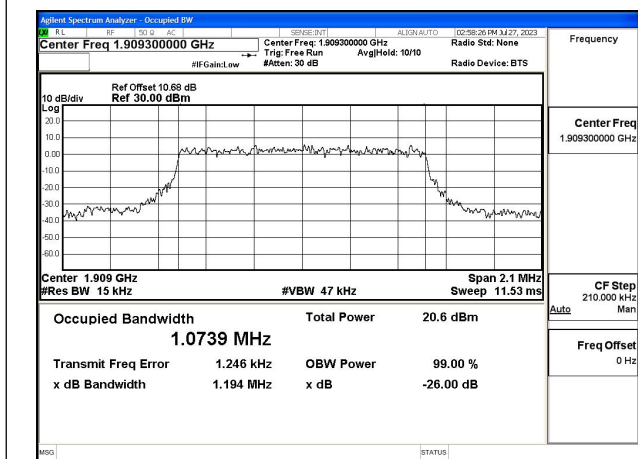


Fig.21

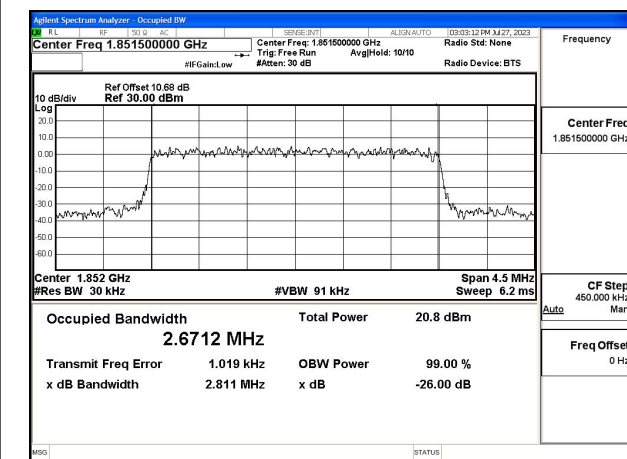


Fig.22

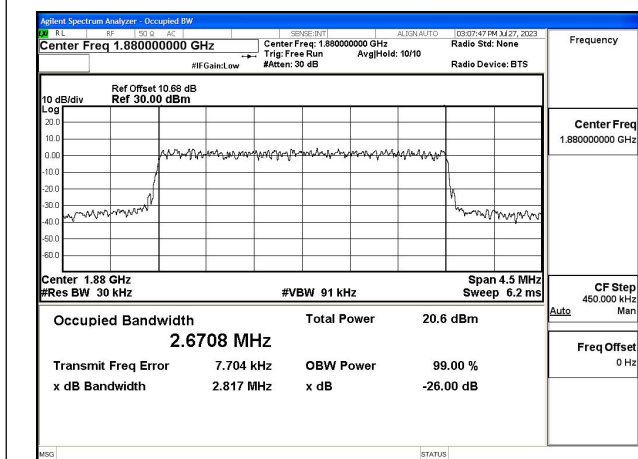


Fig.23

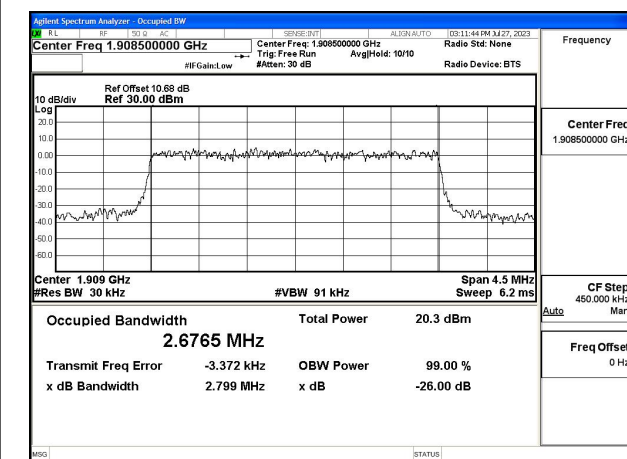


Fig.24

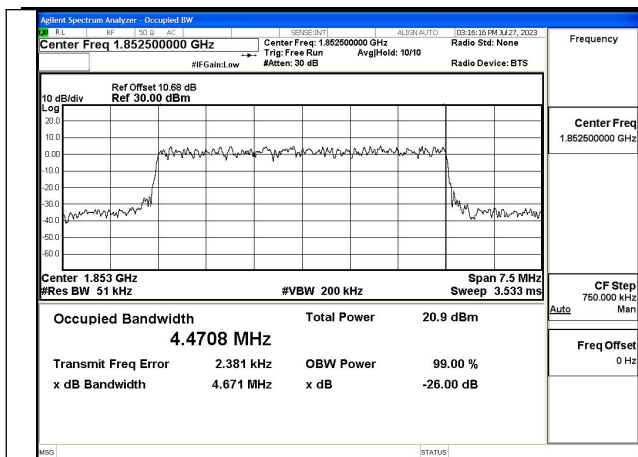


Fig.25

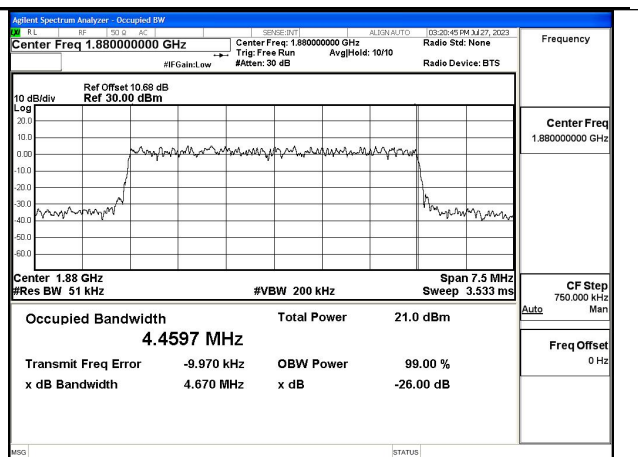


Fig.26

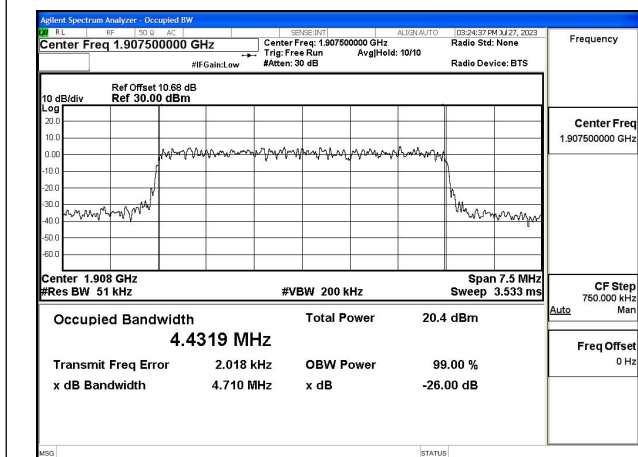


Fig.27

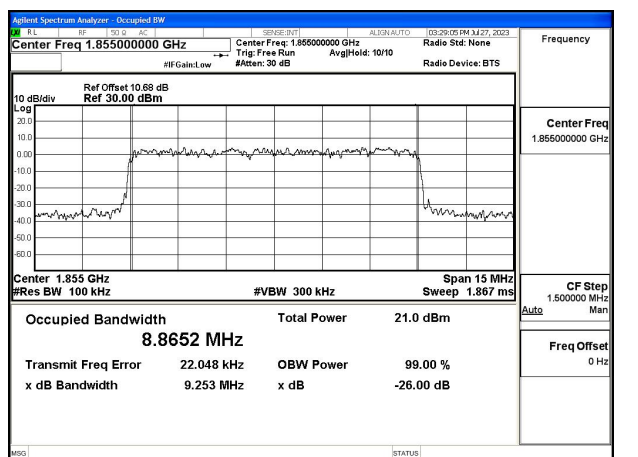


Fig.28

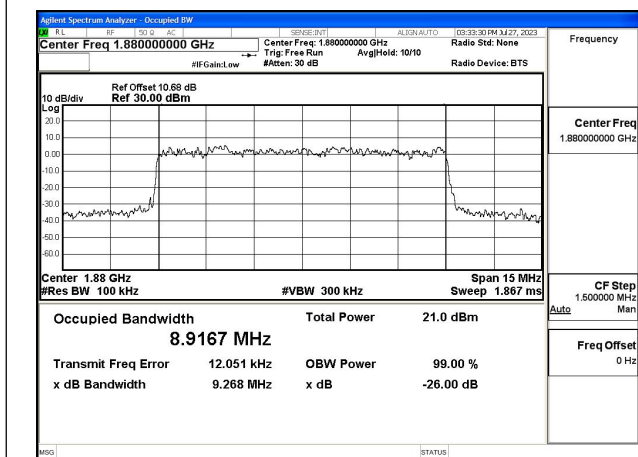


Fig.29

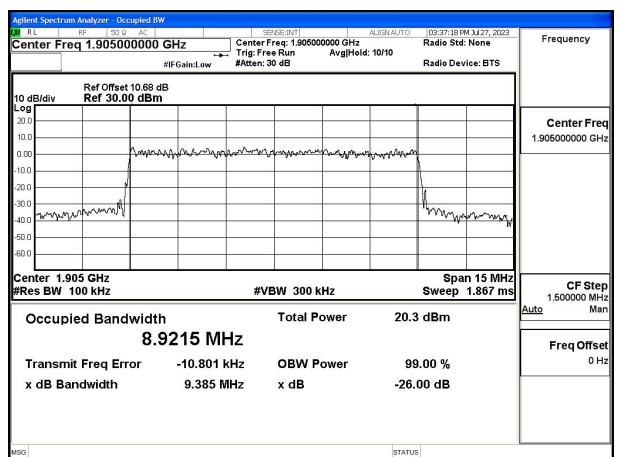


Fig.30

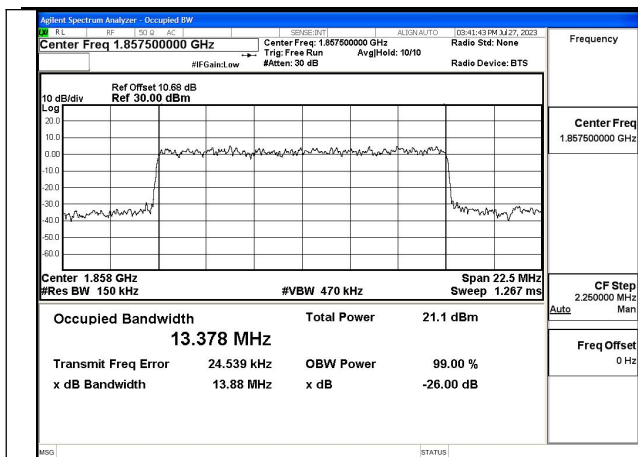


Fig.31

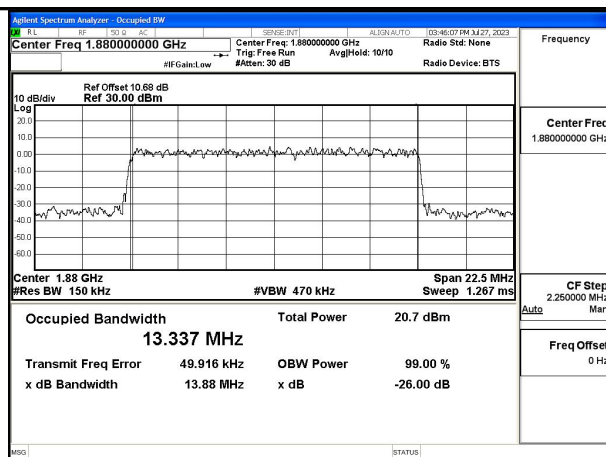


Fig.32

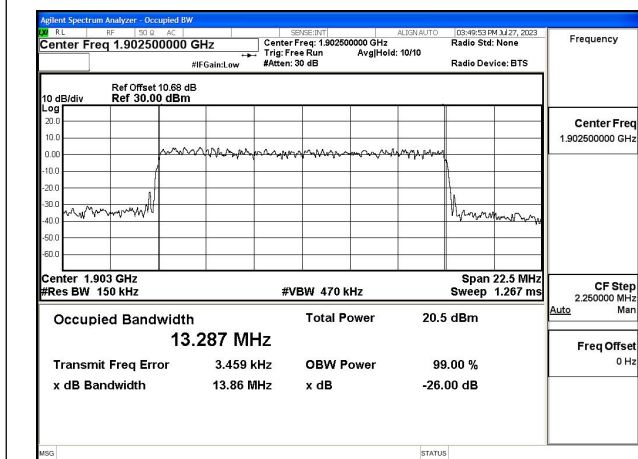


Fig.33

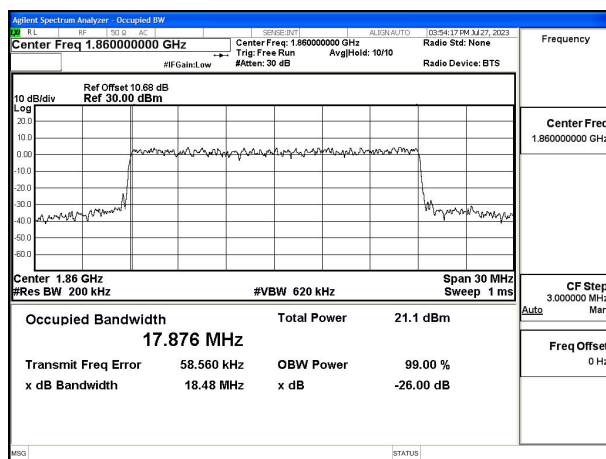


Fig.34

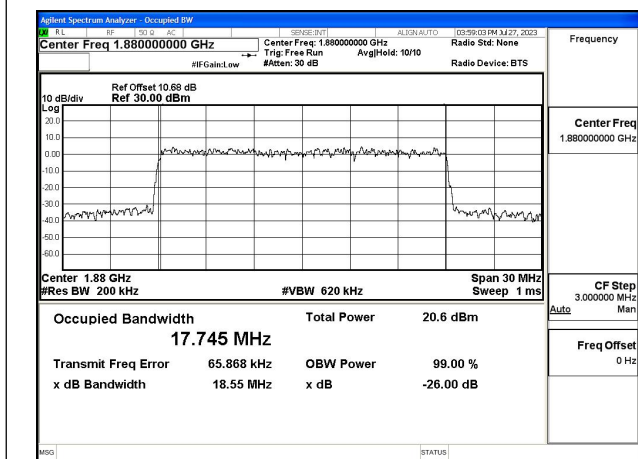


Fig.35

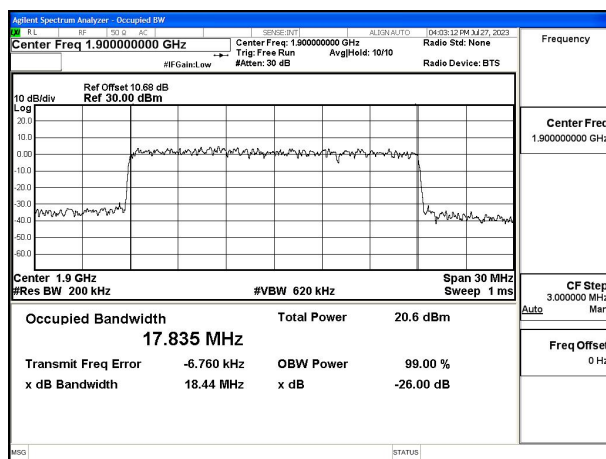
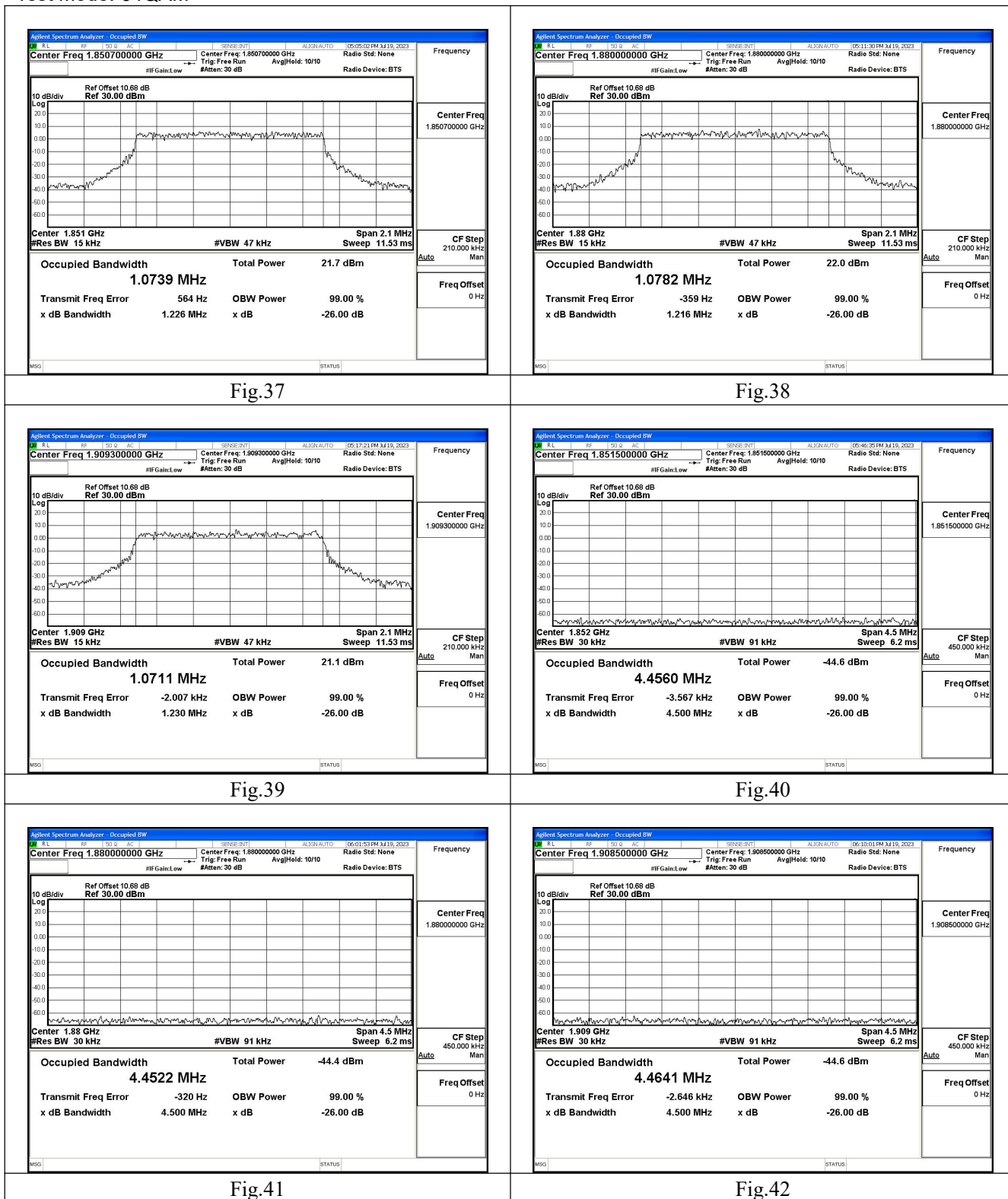


Fig.36

Test Mode: 64QAM



3 Emission Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
2	QPSK	1850.7	18607	1.4	6	0	1.229	Fig.1
2	QPSK	1880	18900	1.4	6	0	1.208	Fig.2
2	QPSK	1909.3	19193	1.4	6	0	1.240	Fig.3
2	QPSK	1851.5	18615	3	15	0	2.816	Fig.4
2	QPSK	1880	18900	3	15	0	2.807	Fig.5
2	QPSK	1908.5	19185	3	15	0	2.785	Fig.6
2	QPSK	1852.5	18625	5	25	0	4.651	Fig.7
2	QPSK	1880	18900	5	25	0	4.711	Fig.8
2	QPSK	1907.5	19175	5	25	0	4.696	Fig.9
2	QPSK	1855	18650	10	50	0	9.230	Fig.10
2	QPSK	1880	18900	10	50	0	9.315	Fig.11
2	QPSK	1905	19150	10	50	0	9.287	Fig.12
2	QPSK	1857.5	18675	15	75	0	13.960	Fig.13
2	QPSK	1880	18900	15	75	0	13.845	Fig.14
2	QPSK	1902.5	19125	15	75	0	13.865	Fig.15
2	QPSK	1860	18700	20	100	0	18.558	Fig.16
2	QPSK	1880	18900	20	100	0	18.499	Fig.17
2	QPSK	1900	19100	20	100	0	18.504	Fig.18

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
2	16QAM	1850.7	18607	1.4	6	0	1.246	Fig.19
2	16QAM	1880	18900	1.4	6	0	1.226	Fig.20
2	16QAM	1909.3	19193	1.4	6	0	1.194	Fig.21
2	16QAM	1851.5	18615	3	15	0	2.811	Fig.22
2	16QAM	1880	18900	3	15	0	2.817	Fig.23
2	16QAM	1908.5	19185	3	15	0	2.799	Fig.24
2	16QAM	1852.5	18625	5	25	0	4.671	Fig.25
2	16QAM	1880	18900	5	25	0	4.670	Fig.26
2	16QAM	1907.5	19175	5	25	0	4.710	Fig.27
2	16QAM	1855	18650	10	50	0	9.253	Fig.28
2	16QAM	1880	18900	10	50	0	9.268	Fig.29
2	16QAM	1905	19150	10	50	0	9.385	Fig.30
2	16QAM	1857.5	18675	15	75	0	13.882	Fig.31
2	16QAM	1880	18900	15	75	0	13.877	Fig.32
2	16QAM	1902.5	19125	15	75	0	13.860	Fig.33
2	16QAM	1860	18700	20	100	0	18.481	Fig.34
2	16QAM	1880	18900	20	100	0	18.549	Fig.35
2	16QAM	1900	19100	20	100	0	18.437	Fig.36