

**APPENDIX A – TEST DATA OF CONDUCTED EMISSION**

**LTE Band 71**

**1 RF Power Output**

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	665.5	133147	5	1	0	23.79
QPSK	665.5	133147	5	1	12	24.01
QPSK	665.5	133147	5	1	24	23.73
QPSK	665.5	133147	5	12	0	22.79
QPSK	665.5	133147	5	12	7	22.88
QPSK	665.5	133147	5	12	13	22.79
QPSK	665.5	133147	5	25	0	22.78
QPSK	680.5	133297	5	1	0	23.85
QPSK	680.5	133297	5	1	12	23.98
QPSK	680.5	133297	5	1	24	23.77
QPSK	680.5	133297	5	12	0	22.89
QPSK	680.5	133297	5	12	7	22.92
QPSK	680.5	133297	5	12	13	22.78
QPSK	680.5	133297	5	25	0	22.81
QPSK	695.5	133447	5	1	0	23.57
QPSK	695.5	133447	5	1	12	23.86
QPSK	695.5	133447	5	1	24	23.59
QPSK	695.5	133447	5	12	0	22.68
QPSK	695.5	133447	5	12	7	22.71
QPSK	695.5	133447	5	12	13	22.60
QPSK	695.5	133447	5	25	0	22.71

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	665.5	133147	5	1	0	22.95
16QAM	665.5	133147	5	1	12	23.18
16QAM	665.5	133147	5	1	24	22.94
16QAM	665.5	133147	5	12	0	21.76
16QAM	665.5	133147	5	12	7	21.90
16QAM	665.5	133147	5	12	13	21.83
16QAM	665.5	133147	5	25	0	21.78
16QAM	680.5	133297	5	1	0	23.00
16QAM	680.5	133297	5	1	12	23.29
16QAM	680.5	133297	5	1	24	22.99
16QAM	680.5	133297	5	12	0	21.82
16QAM	680.5	133297	5	12	7	21.96
16QAM	680.5	133297	5	12	13	21.89
16QAM	680.5	133297	5	25	0	21.89
16QAM	695.5	133447	5	1	0	22.87
16QAM	695.5	133447	5	1	12	23.09
16QAM	695.5	133447	5	1	24	22.79

16QAM	695.5	133447	5	12	0	21.73
16QAM	695.5	133447	5	12	7	21.78
16QAM	695.5	133447	5	12	13	21.68
16QAM	695.5	133447	5	25	0	21.74

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	668	133172	10	1	0	23.83
QPSK	668	133172	10	1	25	24.01
QPSK	668	133172	10	1	49	23.79
QPSK	668	133172	10	25	0	22.78
QPSK	668	133172	10	25	12	22.83
QPSK	668	133172	10	25	25	22.86
QPSK	668	133172	10	50	0	22.87
QPSK	680.5	133297	10	1	0	23.77
QPSK	680.5	133297	10	1	25	23.96
QPSK	680.5	133297	10	1	49	23.67
QPSK	680.5	133297	10	25	0	22.88
QPSK	680.5	133297	10	25	12	22.90
QPSK	680.5	133297	10	25	25	22.77
QPSK	680.5	133297	10	50	0	22.89
QPSK	693	133422	10	1	0	23.71
QPSK	693	133422	10	1	25	23.97
QPSK	693	133422	10	1	49	23.58
QPSK	693	133422	10	25	0	22.79
QPSK	693	133422	10	25	12	22.76
QPSK	693	133422	10	25	25	22.75
QPSK	693	133422	10	50	0	22.81

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	668	133172	10	1	0	22.98
16QAM	668	133172	10	1	25	23.18
16QAM	668	133172	10	1	49	23.12
16QAM	668	133172	10	25	0	21.85
16QAM	668	133172	10	25	12	21.95
16QAM	668	133172	10	25	25	21.94
16QAM	668	133172	10	50	0	21.91
16QAM	680.5	133297	10	1	0	23.08
16QAM	680.5	133297	10	1	25	23.23
16QAM	680.5	133297	10	1	49	23.04
16QAM	680.5	133297	10	25	0	22.01
16QAM	680.5	133297	10	25	12	21.95
16QAM	680.5	133297	10	25	25	21.89
16QAM	680.5	133297	10	50	0	22.04

16QAM	693	133422	10	1	0	22.98
16QAM	693	133422	10	1	25	23.09
16QAM	693	133422	10	1	49	22.82
16QAM	693	133422	10	25	0	21.93
16QAM	693	133422	10	25	12	21.84
16QAM	693	133422	10	25	25	21.77
16QAM	693	133422	10	50	0	21.82

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	670.5	133197	15	1	0	23.66
QPSK	670.5	133197	15	1	37	23.87
QPSK	670.5	133197	15	1	74	23.68
QPSK	670.5	133197	15	36	0	22.77
QPSK	670.5	133197	15	36	29	22.86
QPSK	670.5	133197	15	36	30	22.86
QPSK	670.5	133197	15	75	0	22.91
QPSK	680.5	133297	15	1	0	23.79
QPSK	680.5	133297	15	1	37	23.98
QPSK	680.5	133297	15	1	74	23.65
QPSK	680.5	133297	15	36	0	22.91
QPSK	680.5	133297	15	36	29	22.93
QPSK	680.5	133297	15	36	30	22.87
QPSK	680.5	133297	15	75	0	22.86
QPSK	690.5	133397	15	1	0	23.61
QPSK	690.5	133397	15	1	37	23.80
QPSK	690.5	133397	15	1	74	23.48
QPSK	690.5	133397	15	36	0	22.82
QPSK	690.5	133397	15	36	29	22.84
QPSK	690.5	133397	15	36	30	22.81
QPSK	690.5	133397	15	75	0	22.76

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	670.5	133197	15	1	0	23.06
16QAM	670.5	133197	15	1	37	23.42
16QAM	670.5	133197	15	1	74	23.15
16QAM	670.5	133197	15	36	0	21.87
16QAM	670.5	133197	15	36	29	21.91
16QAM	670.5	133197	15	36	30	21.92
16QAM	670.5	133197	15	75	0	21.89
16QAM	680.5	133297	15	1	0	23.20
16QAM	680.5	133297	15	1	37	23.36
16QAM	680.5	133297	15	1	74	23.10
16QAM	680.5	133297	15	36	0	21.99

16QAM	680.5	133297	15	36	29	21.94
16QAM	680.5	133297	15	36	30	21.95
16QAM	680.5	133297	15	75	0	21.90
16QAM	690.5	133397	15	1	0	23.11
16QAM	690.5	133397	15	1	37	23.23
16QAM	690.5	133397	15	1	74	23.02
16QAM	690.5	133397	15	36	0	21.80
16QAM	690.5	133397	15	36	29	21.79
16QAM	690.5	133397	15	36	30	21.89
16QAM	690.5	133397	15	75	0	21.75

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	673	133222	20	1	0	23.48
QPSK	673	133222	20	1	49	23.92
QPSK	673	133222	20	1	99	23.58
QPSK	673	133222	20	50	0	22.79
QPSK	673	133222	20	50	24	22.90
QPSK	673	133222	20	50	50	22.81
QPSK	673	133222	20	100	0	22.76
QPSK	680.5	133297	20	1	0	23.48
QPSK	680.5	133297	20	1	49	23.98
QPSK	680.5	133297	20	1	99	23.57
QPSK	680.5	133297	20	50	0	22.91
QPSK	680.5	133297	20	50	24	22.82
QPSK	680.5	133297	20	50	50	22.73
QPSK	680.5	133297	20	100	0	22.80
QPSK	688	133372	20	1	0	23.43
QPSK	688	133372	20	1	49	23.83
QPSK	688	133372	20	1	99	23.35
QPSK	688	133372	20	50	0	22.85
QPSK	688	133372	20	50	24	22.83
QPSK	688	133372	20	50	50	22.63
QPSK	688	133372	20	100	0	22.69

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	673	133222	20	1	0	22.91
16QAM	673	133222	20	1	49	23.27
16QAM	673	133222	20	1	99	23.01
16QAM	673	133222	20	50	0	21.90
16QAM	673	133222	20	50	24	21.95
16QAM	673	133222	20	50	50	21.86
16QAM	673	133222	20	100	0	21.89
16QAM	680.5	133297	20	1	0	22.84

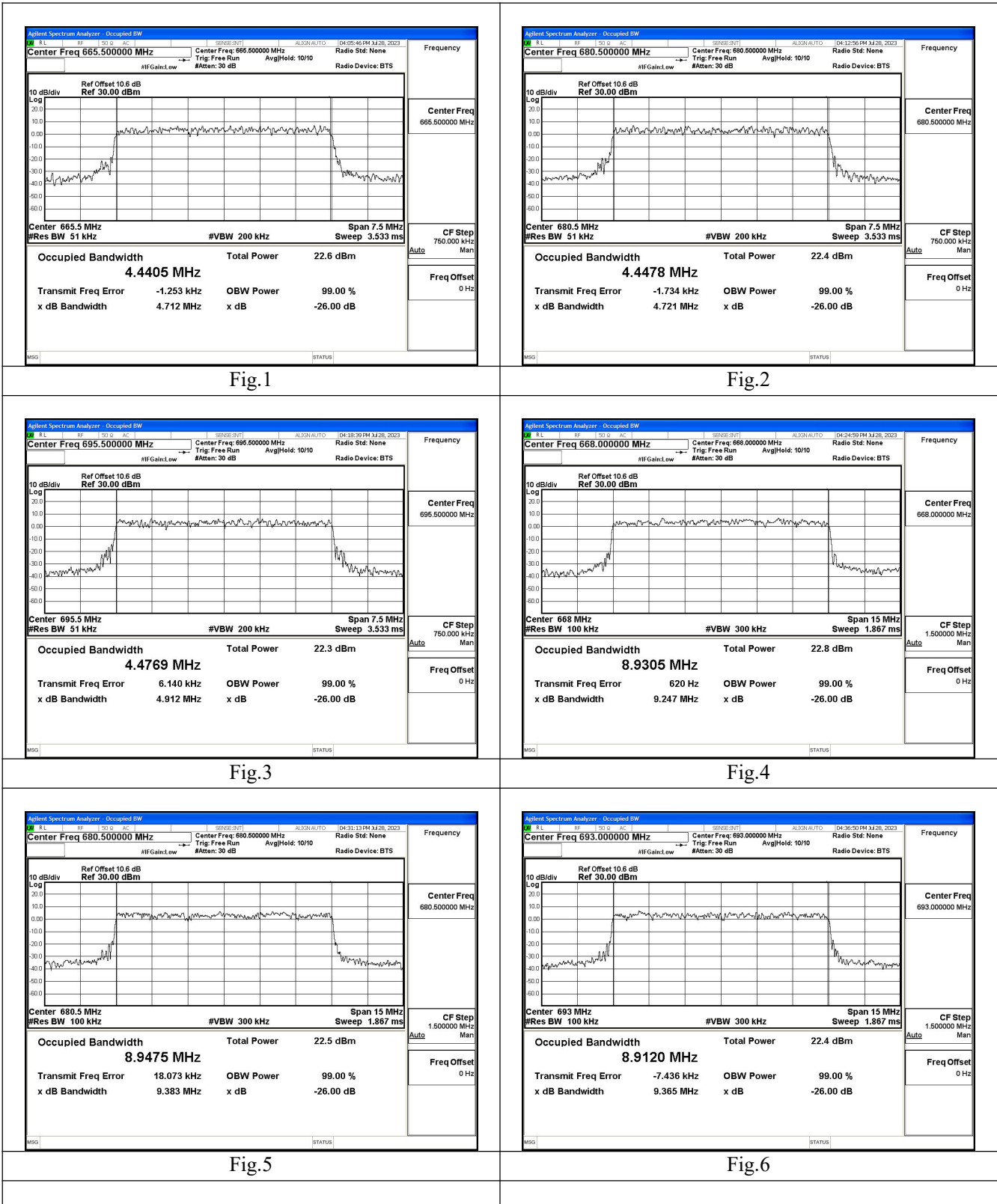
16QAM	680.5	133297	20	1	49	23.24
16QAM	680.5	133297	20	1	99	22.81
16QAM	680.5	133297	20	50	0	21.99
16QAM	680.5	133297	20	50	24	21.95
16QAM	680.5	133297	20	50	50	21.86
16QAM	680.5	133297	20	100	0	21.91
16QAM	688	133372	20	1	0	22.87
16QAM	688	133372	20	1	49	23.22
16QAM	688	133372	20	1	99	22.72
16QAM	688	133372	20	50	0	21.84
16QAM	688	133372	20	50	24	21.83
16QAM	688	133372	20	50	50	21.75
16QAM	688	133372	20	100	0	21.88

## 2 Occupied Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
71	QPSK	665.5	133147	5	25	0	4.440	Fig.1
71	QPSK	680.5	133297	5	25	0	4.448	Fig.2
71	QPSK	695.5	133447	5	25	0	4.477	Fig.3
71	QPSK	668	133172	10	50	0	8.931	Fig.4
71	QPSK	680.5	133297	10	50	0	8.947	Fig.5
71	QPSK	693	133422	10	50	0	8.912	Fig.6
71	QPSK	670.5	133197	15	75	0	13.378	Fig.7
71	QPSK	680.5	133297	15	75	0	13.442	Fig.8
71	QPSK	690.5	133397	15	75	0	13.384	Fig.9
71	QPSK	673	133222	20	100	0	17.786	Fig.10
71	QPSK	680.5	133297	20	100	0	17.878	Fig.11
71	QPSK	688	133372	20	100	0	17.853	Fig.12

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
71	16QAM	665.5	133147	5	25	0	4.458	Fig.13
71	16QAM	680.5	133297	5	25	0	4.459	Fig.14
71	16QAM	695.5	133447	5	25	0	4.472	Fig.15
71	16QAM	668	133172	10	50	0	8.938	Fig.16
71	16QAM	680.5	133297	10	50	0	8.962	Fig.17
71	16QAM	693	133422	10	50	0	8.941	Fig.18
71	16QAM	670.5	133197	15	75	0	13.371	Fig.19
71	16QAM	680.5	133297	15	75	0	13.362	Fig.20
71	16QAM	690.5	133397	15	75	0	13.334	Fig.21
71	16QAM	673	133222	20	100	0	17.815	Fig.22
71	16QAM	680.5	133297	20	100	0	17.852	Fig.23
71	16QAM	688	133372	20	100	0	17.806	Fig.24

Test Mode: QPSK



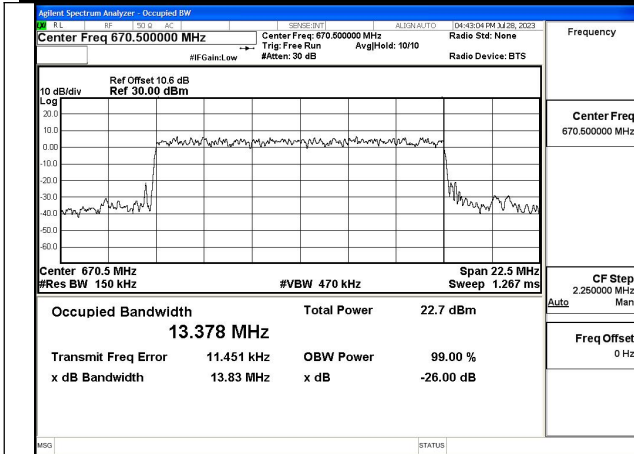


Fig.7

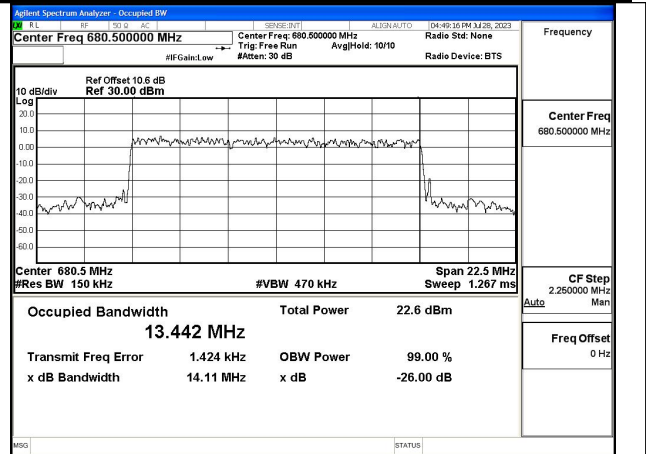


Fig.8

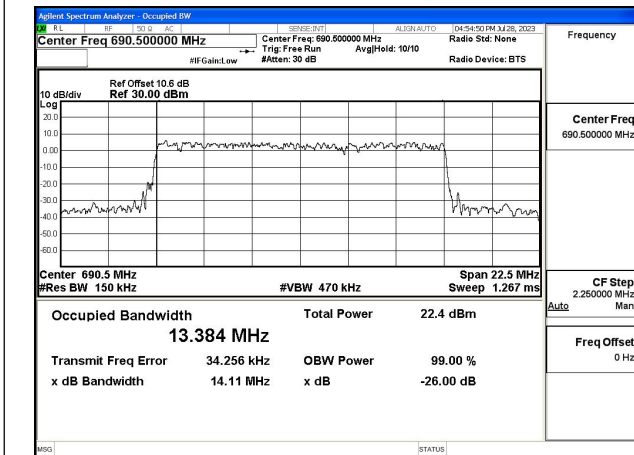


Fig.9

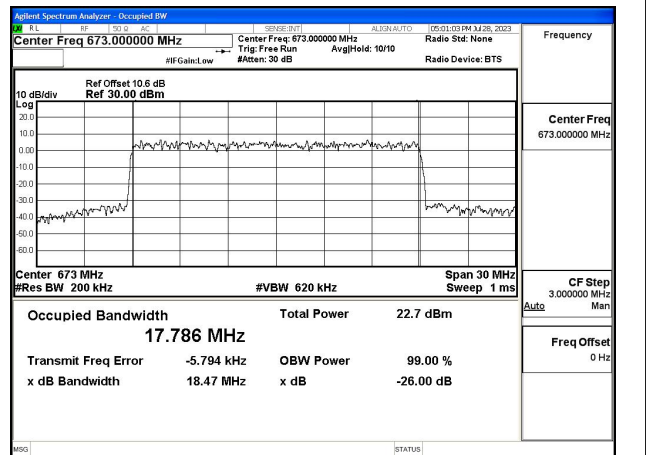


Fig.10

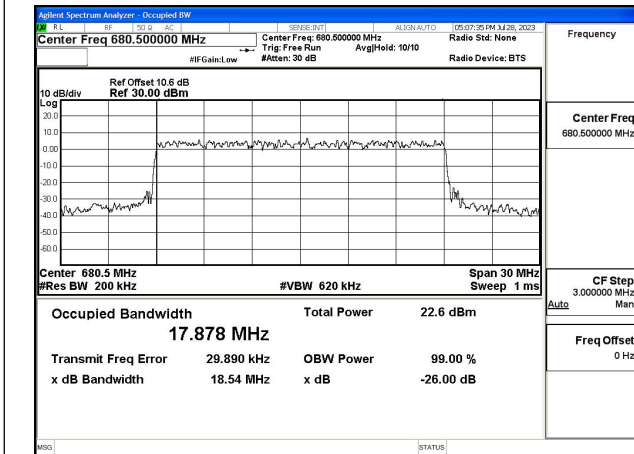


Fig.11

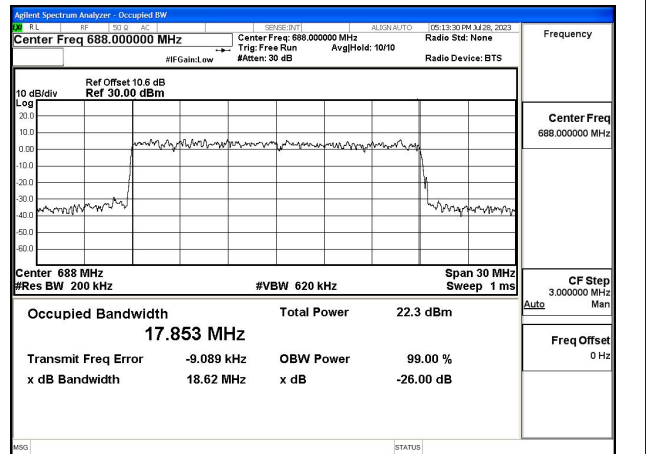


Fig.12



Test Mode: 16QAM

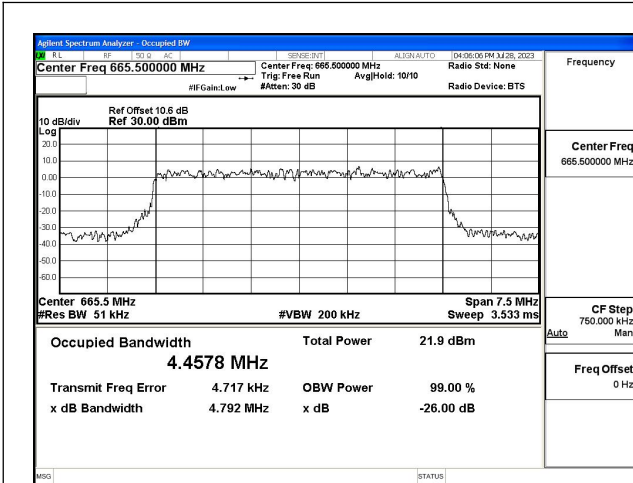


Fig.13

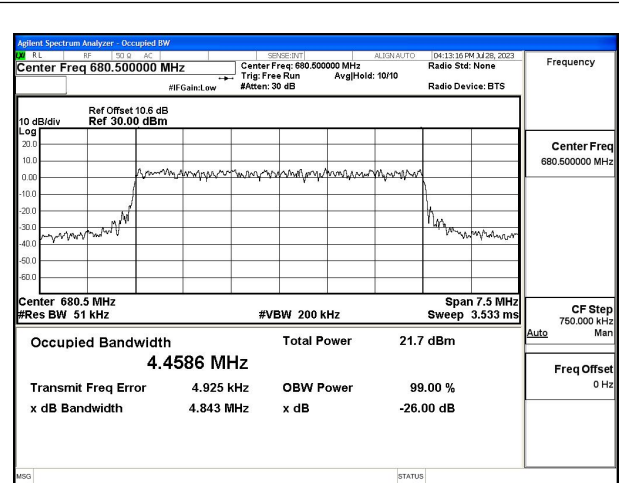


Fig.14

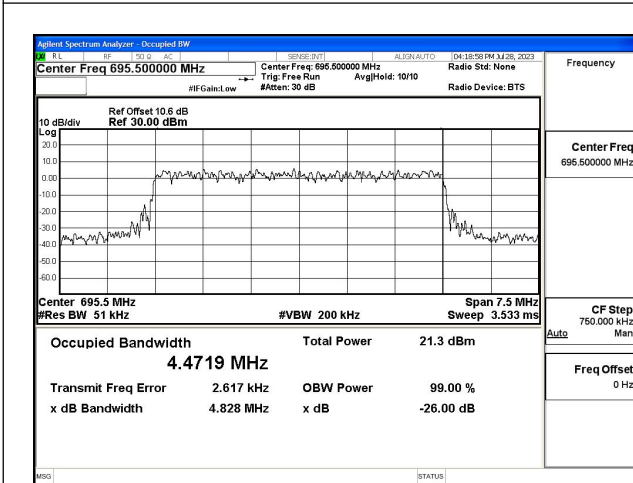


Fig.15

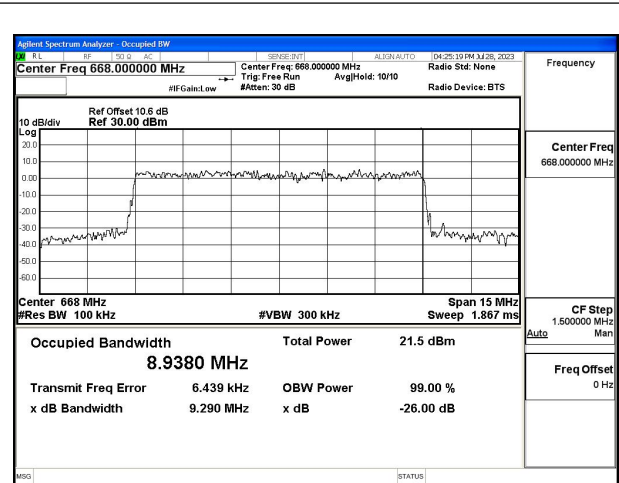


Fig.16

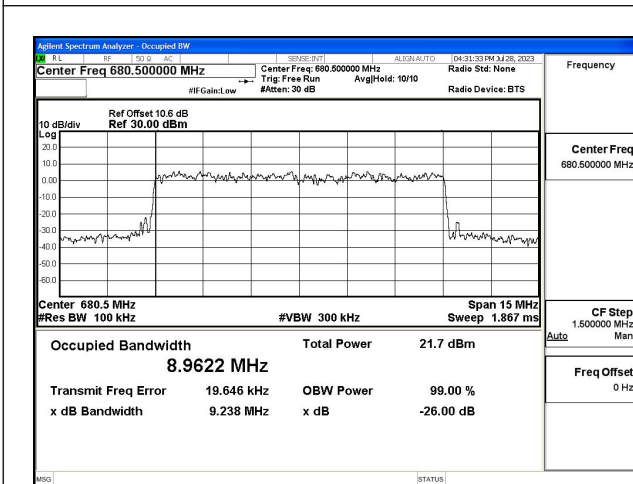


Fig.17

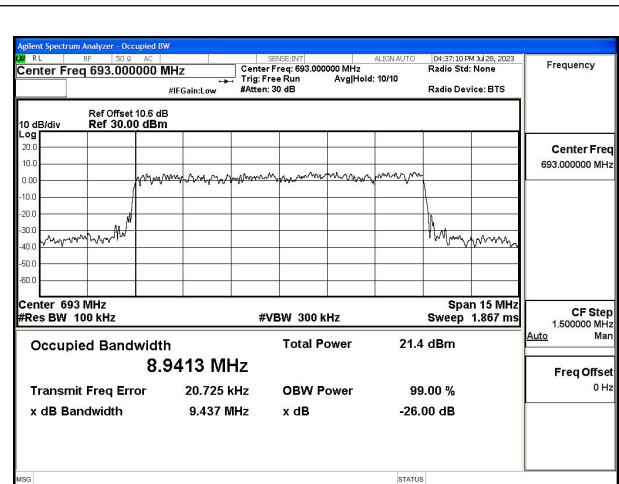


Fig.18

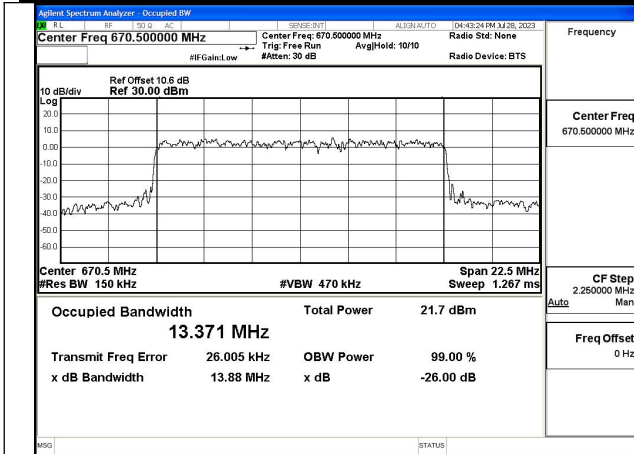


Fig.19

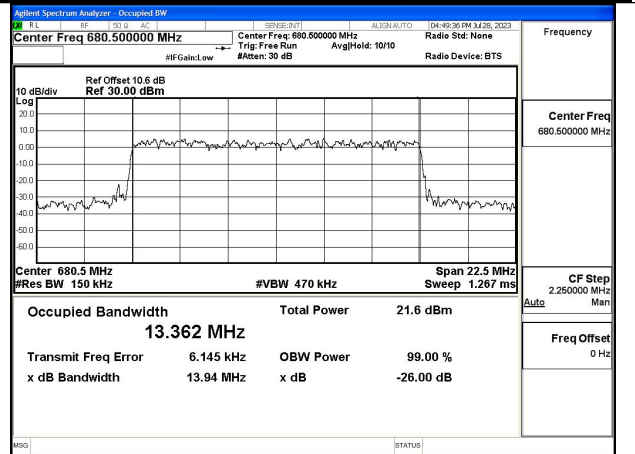


Fig.20

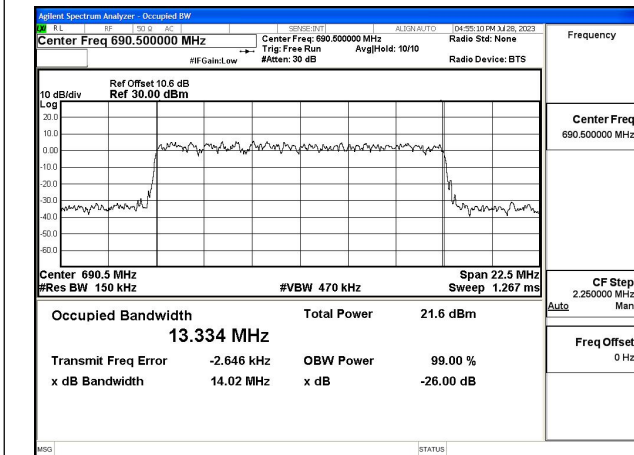


Fig.21

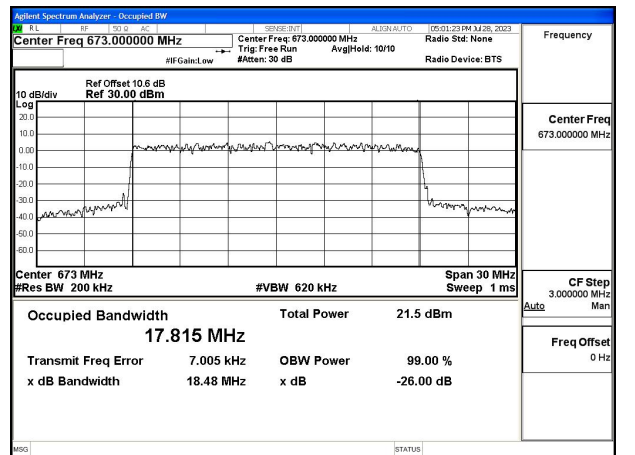


Fig.22

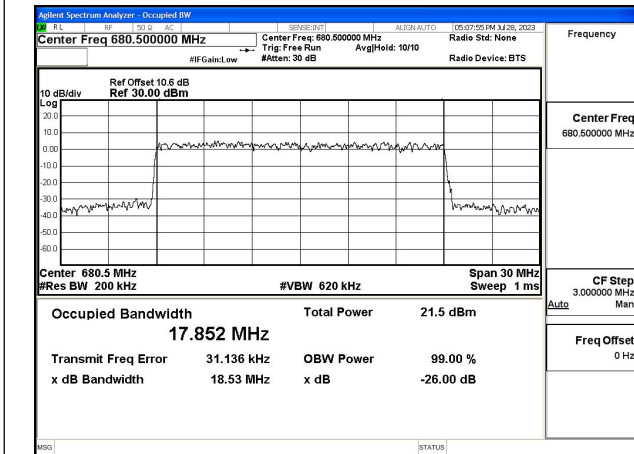


Fig.23

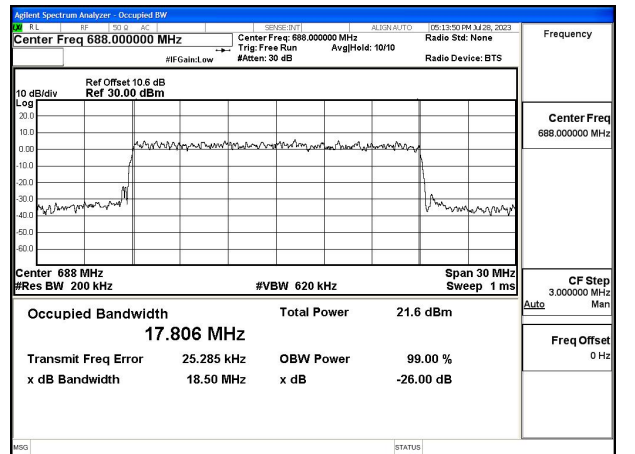


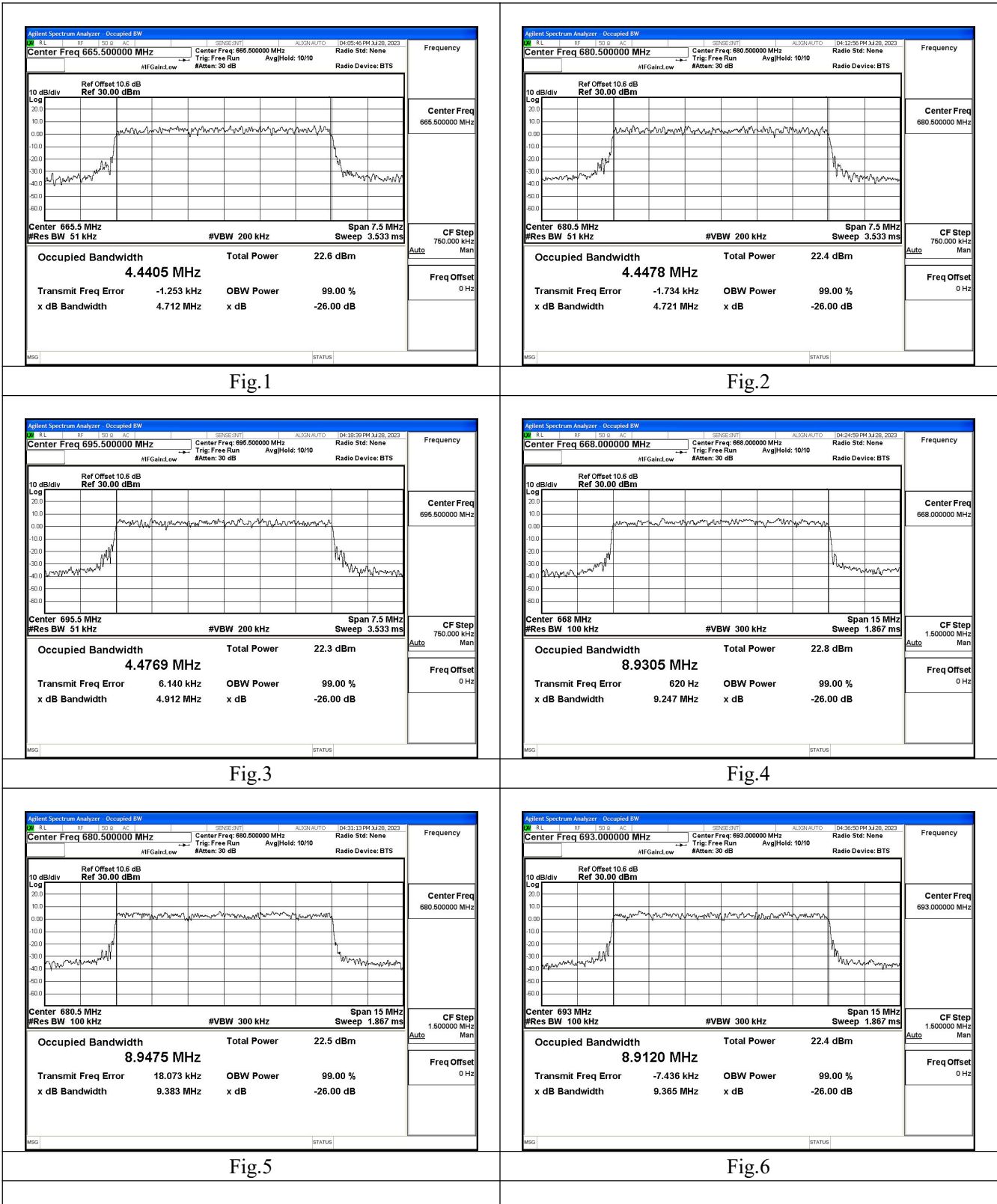
Fig.24

### 3 Emission Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
71	QPSK	665.5	133147	5	25	0	4.712	Fig.1
71	QPSK	680.5	133297	5	25	0	4.721	Fig.2
71	QPSK	695.5	133447	5	25	0	4.912	Fig.3
71	QPSK	668	133172	10	50	0	9.247	Fig.4
71	QPSK	680.5	133297	10	50	0	9.383	Fig.5
71	QPSK	693	133422	10	50	0	9.365	Fig.6
71	QPSK	670.5	133197	15	75	0	13.830	Fig.7
71	QPSK	680.5	133297	15	75	0	14.109	Fig.8
71	QPSK	690.5	133397	15	75	0	14.106	Fig.9
71	QPSK	673	133222	20	100	0	18.475	Fig.10
71	QPSK	680.5	133297	20	100	0	18.544	Fig.11
71	QPSK	688	133372	20	100	0	18.623	Fig.12

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
71	16QAM	665.5	133147	5	25	0	4.792	Fig.13
71	16QAM	680.5	133297	5	25	0	4.843	Fig.14
71	16QAM	695.5	133447	5	25	0	4.828	Fig.15
71	16QAM	668	133172	10	50	0	9.290	Fig.16
71	16QAM	680.5	133297	10	50	0	9.238	Fig.17
71	16QAM	693	133422	10	50	0	9.437	Fig.18
71	16QAM	670.5	133197	15	75	0	13.884	Fig.19
71	16QAM	680.5	133297	15	75	0	13.941	Fig.20
71	16QAM	690.5	133397	15	75	0	14.019	Fig.21
71	16QAM	673	133222	20	100	0	18.475	Fig.22
71	16QAM	680.5	133297	20	100	0	18.534	Fig.23
71	16QAM	688	133372	20	100	0	18.503	Fig.24

Test Mode: QPSK



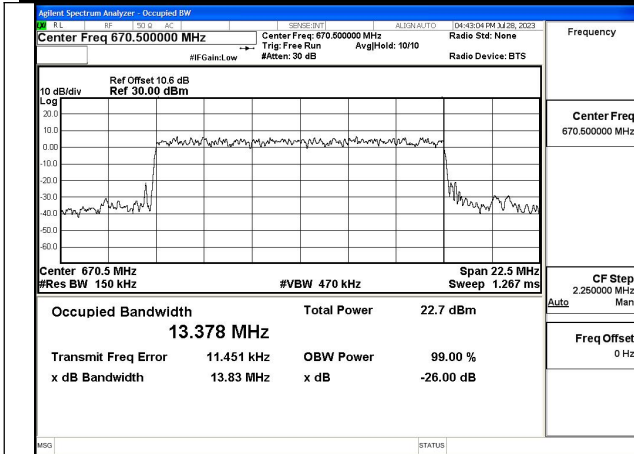


Fig.7

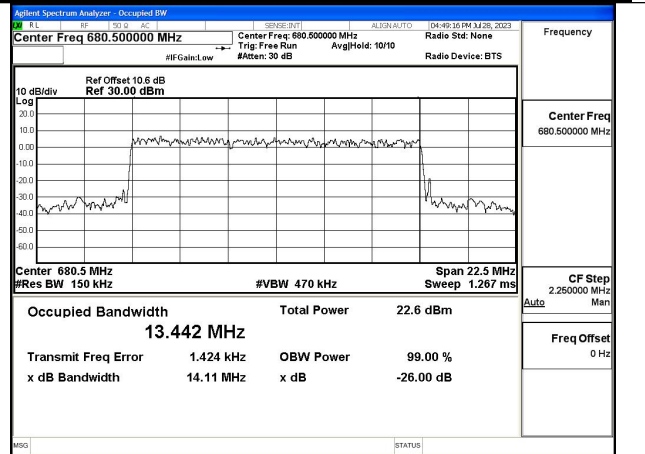


Fig.8

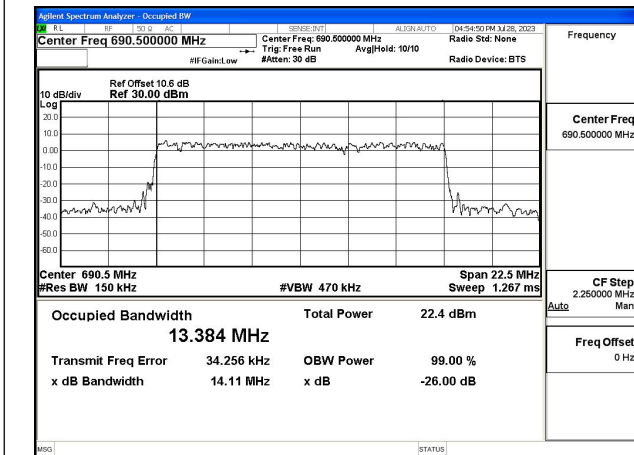


Fig.9

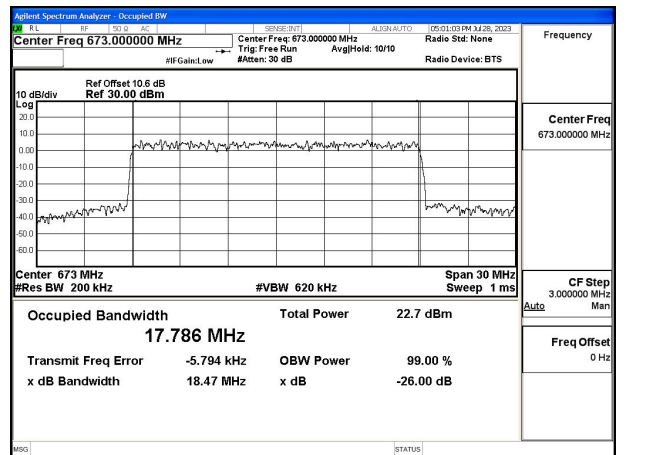


Fig.10

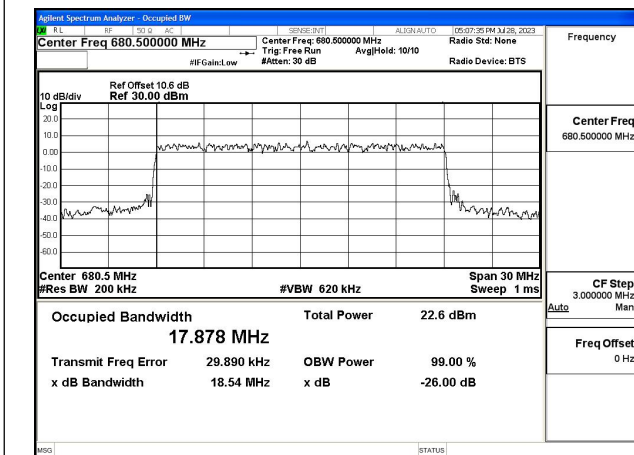


Fig.11

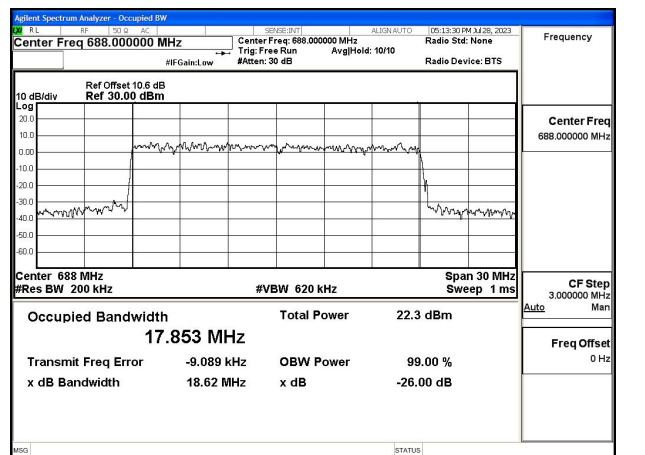


Fig.12

Test Mode: 16QAM

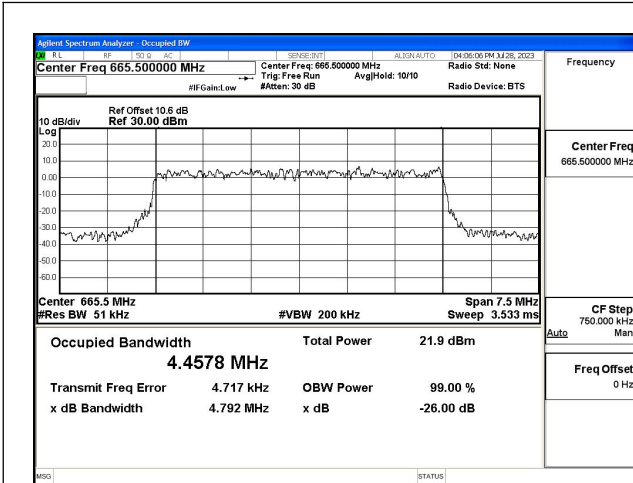


Fig. 13

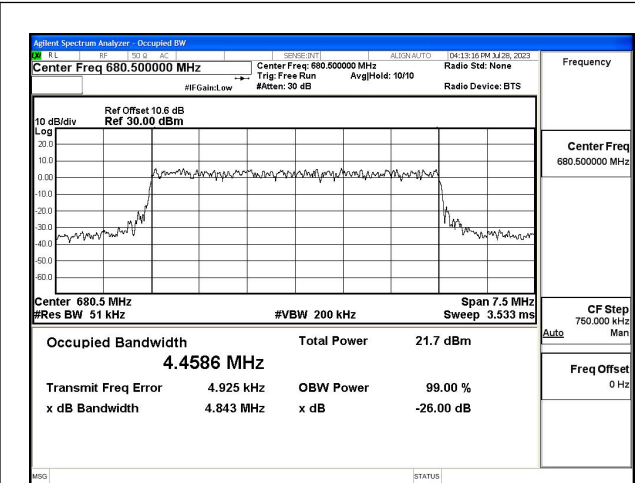


Fig. 14

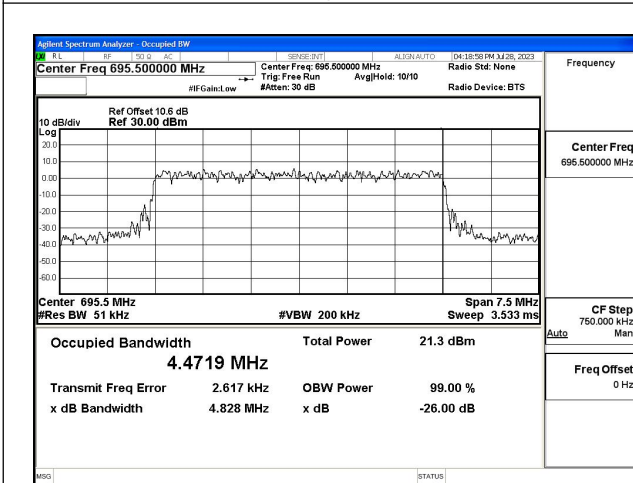


Fig. 15

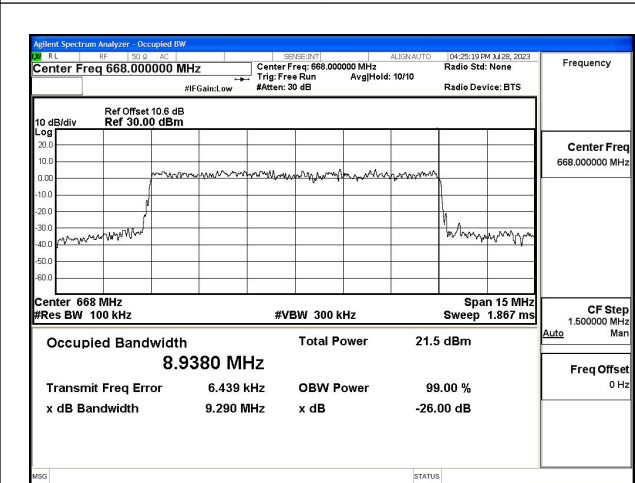


Fig. 16

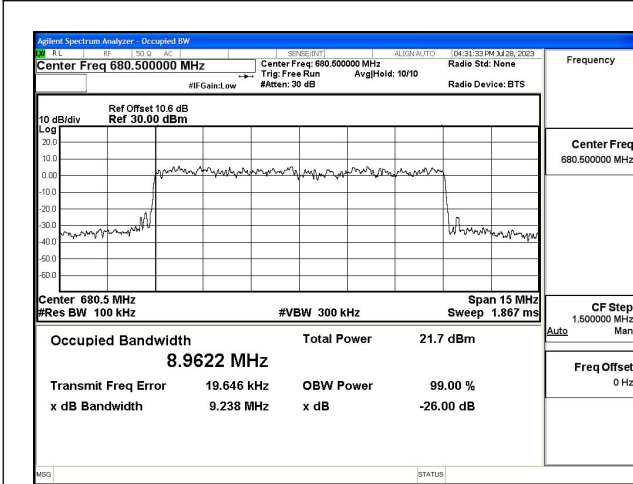


Fig. 17

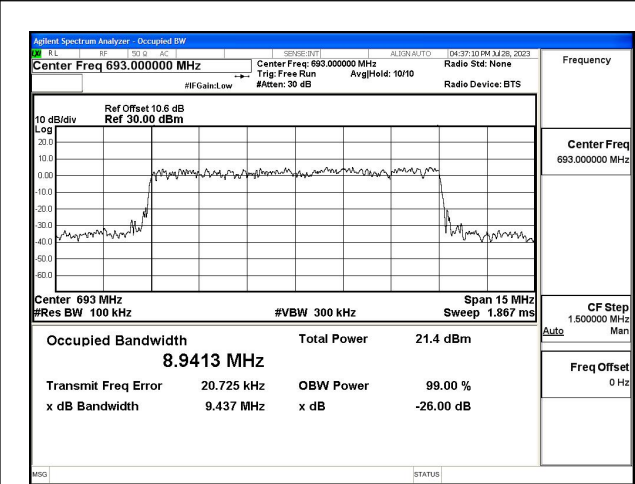


Fig. 18