

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 38

1 RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2572.5	37775	5	1	0	22.75
QPSK	2572.5	37775	5	1	12	23.03
QPSK	2572.5	37775	5	1	24	22.73
QPSK	2572.5	37775	5	12	0	21.84
QPSK	2572.5	37775	5	12	7	21.91
QPSK	2572.5	37775	5	12	13	21.83
QPSK	2572.5	37775	5	25	0	21.84
QPSK	2595	38000	5	1	0	22.94
QPSK	2595	38000	5	1	12	23.21
QPSK	2595	38000	5	1	24	22.93
QPSK	2595	38000	5	12	0	22.01
QPSK	2595	38000	5	12	7	22.03
QPSK	2595	38000	5	12	13	21.95
QPSK	2595	38000	5	25	0	21.99
QPSK	2617.5	38225	5	1	0	23.41

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2572.5	37775	5	1	0	22.15
16QAM	2572.5	37775	5	1	12	22.41
16QAM	2572.5	37775	5	1	24	22.14
16QAM	2572.5	37775	5	12	0	20.83
16QAM	2572.5	37775	5	12	7	21.02
16QAM	2572.5	37775	5	12	13	21.00
16QAM	2572.5	37775	5	25	0	20.90
16QAM	2595	38000	5	1	0	22.33
16QAM	2595	38000	5	1	12	22.59
16QAM	2595	38000	5	1	24	22.38
16QAM	2595	38000	5	12	0	21.05
16QAM	2595	38000	5	12	7	21.10
16QAM	2595	38000	5	12	13	20.99
16QAM	2595	38000	5	25	0	21.05
16QAM	2617.5	38225	5	1	0	22.88
16QAM	2617.5	38225	5	1	12	22.31
64QAM	2572.5	37775	5	1	0	21.12
64QAM	2572.5	37775	5	1	12	21.32
64QAM	2572.5	37775	5	1	24	21.12
64QAM	2572.5	37775	5	12	0	19.75
64QAM	2572.5	37775	5	12	7	19.85
64QAM	2572.5	37775	5	12	13	19.79
64QAM	2572.5	37775	5	25	0	19.92
64QAM	2595	38000	5	1	0	21.31
64QAM	2595	38000	5	1	12	21.57
64QAM	2595	38000	5	1	24	21.26
64QAM	2595	38000	5	12	0	20.00
64QAM	2595	38000	5	12	7	20.02
64QAM	2595	38000	5	12	13	19.97
64QAM	2595	38000	5	25	0	19.98
64QAM	2617.5	38225	5	1	0	21.84
64QAM	2617.5	38225	5	1	12	21.31

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2575	37800	10	1	0	22.87
QPSK	2575	37800	10	1	25	23.16
QPSK	2575	37800	10	1	49	22.95
QPSK	2575	37800	10	25	0	21.94
QPSK	2575	37800	10	25	12	21.91
QPSK	2575	37800	10	25	25	21.93
QPSK	2575	37800	10	50	0	21.94
QPSK	2595	38000	10	1	0	22.98
QPSK	2595	38000	10	1	25	23.21
QPSK	2595	38000	10	1	49	22.96
QPSK	2595	38000	10	25	0	22.06
QPSK	2595	38000	10	25	12	22.08
QPSK	2595	38000	10	25	25	21.95
QPSK	2595	38000	10	50	0	22.01
QPSK	2615	38200	10	1	0	22.67
QPSK	2615	38200	10	1	25	22.93
QPSK	2615	38200	10	1	49	22.75
QPSK	2615	38200	10	25	0	21.88
QPSK	2615	38200	10	25	12	21.82
QPSK	2615	38200	10	25	25	21.84
QPSK	2615	38200	10	50	0	21.84

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2575	37800	10	1	0	22.00
16QAM	2575	37800	10	1	25	22.24
16QAM	2575	37800	10	1	49	22.06
16QAM	2575	37800	10	25	0	20.94
16QAM	2575	37800	10	25	12	20.91
16QAM	2575	37800	10	25	25	20.96
16QAM	2575	37800	10	50	0	20.95
16QAM	2595	38000	10	1	0	22.20
16QAM	2595	38000	10	1	25	22.40
16QAM	2595	38000	10	1	49	22.13
16QAM	2595	38000	10	25	0	21.10
16QAM	2595	38000	10	25	12	21.07
16QAM	2595	38000	10	25	25	21.03
16QAM	2595	38000	10	50	0	21.05
16QAM	2615	38200	10	1	0	22.10
16QAM	2615	38200	10	1	25	22.35
16QAM	2615	38200	10	1	49	22.18
16QAM	2615	38200	10	25	0	20.86
16QAM	2615	38200	10	25	12	20.84
16QAM	2615	38200	10	25	25	20.85
16QAM	2615	38200	10	50	0	20.93
64QAM	2575	37800	10	1	0	20.51
64QAM	2575	37800	10	1	25	20.74
64QAM	2575	37800	10	1	49	20.53
64QAM	2575	37800	10	25	0	19.87
64QAM	2575	37800	10	25	12	19.85
64QAM	2575	37800	10	25	25	19.85
64QAM	2575	37800	10	50	0	19.88
64QAM	2595	38000	10	1	0	21.51
64QAM	2595	38000	10	1	25	21.67
64QAM	2595	38000	10	1	49	21.46
64QAM	2595	38000	10	25	0	20.07
64QAM	2595	38000	10	25	12	20.03
64QAM	2595	38000	10	25	25	19.93
64QAM	2595	38000	10	50	0	20.06
64QAM	2615	38200	10	1	0	20.79
64QAM	2615	38200	10	1	25	21.03
64QAM	2615	38200	10	1	49	20.82
64QAM	2615	38200	10	25	0	19.80
64QAM	2615	38200	10	25	12	19.80
64QAM	2615	38200	10	25	25	19.83
64QAM	2615	38200	10	50	0	19.85

No.: SRTC2023-9004(F)-23111502(C)
FCC ID :2AT19-H65162M2

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2577.5	37825	15	1	0	22.82
QPSK	2577.5	37825	15	1	37	23.19
QPSK	2577.5	37825	15	1	74	22.84
QPSK	2577.5	37825	15	36	0	21.93
QPSK	2577.5	37825	15	36	29	22.01
QPSK	2577.5	37825	15	36	30	22.03
QPSK	2577.5	37825	15	75	0	22.02
QPSK	2595	38000	15	1	0	22.86
QPSK	2612.5	38175	15	1	0	22.86

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2577.5	37825	15	1	0	22.04
16QAM	2577.5	37825	15	1	37	22.39
16QAM	2577.5	37825	15	1	74	22.03
16QAM	2577.5	37825	15	36	0	20.91
16QAM	2577.5	37825	15	36	29	20.96
16QAM	2577.5	37825	15	36	30	21.01
16QAM	2577.5	37825	15	75	0	20.93
16QAM	2595	38000	15	1	0	22.21
16QAM	2612.5	38175	15	1	0	22.05
16QAM	2612.5	38175	15	1	37	22.12
64QAM	2577.5	37825	15	1	0	21.25
64QAM	2577.5	37825	15	1	37	21.63
64QAM	2577.5	37825	15	1	74	21.33
64QAM	2577.5	37825	15	36	0	19.88
64QAM	2577.5	37825	15	36	29	19.91
64QAM	2577.5	37825	15	36	30	19.94
64QAM	2577.5	37825	15	75	0	19.93
64QAM	2595	38000	15	1	0	20.97

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2580	37850	20	1	0	22.68
QPSK	2580	37850	20	1	49	23.15
QPSK	2580	37850	20	1	99	22.79
QPSK	2580	37850	20	50	0	21.98
QPSK	2580	37850	20	50	24	22.03
QPSK	2580	37850	20	50	50	22.07
QPSK	2580	37850	20	100	0	22.08
QPSK	2595	38000	20	1	0	22.87
QPSK	2595	38000	20	1	49	23.25
QPSK	2595	38000	20	1	99	22.69
QPSK	2595	38000	20	50	0	22.13
QPSK	2595	38000	20	50	24	22.13
QPSK	2595	38000	20	50	50	21.99
QPSK	2595	38000	20	100	0	22.08
QPSK	2610	38150	20	1	0	22.70
QPSK	2610	38150	20	1	49	23.05
QPSK	2610	38150	20	1	99	22.62
QPSK	2610	38150	20	50	0	22.03
QPSK	2610	38150	20	50	24	22.05
QPSK	2610	38150	20	50	50	21.96
QPSK	2610	38150	20	100	0	22.03

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2580	37850	20	1	0	21.97
16QAM	2580	37850	20	1	49	22.38
16QAM	2580	37850	20	1	99	22.08
16QAM	2580	37850	20	50	0	20.95
16QAM	2580	37850	20	50	24	21.04
16QAM	2580	37850	20	50	50	21.10
16QAM	2580	37850	20	100	0	21.00
16QAM	2595	38000	20	1	0	22.19
16QAM	2595	38000	20	1	49	22.55
16QAM	2595	38000	20	1	99	22.05
16QAM	2595	38000	20	50	0	21.10
16QAM	2595	38000	20	50	24	21.13
16QAM	2595	38000	20	50	50	21.01
16QAM	2595	38000	20	100	0	21.04
16QAM	2610	38150	20	1	0	21.63
16QAM	2610	38150	20	1	49	21.95
16QAM	2610	38150	20	1	99	21.54
16QAM	2610	38150	20	50	0	21.08
16QAM	2610	38150	20	50	24	21.04
16QAM	2610	38150	20	50	50	20.96
16QAM	2610	38150	20	100	0	21.04
64QAM	2580	37850	20	1	0	20.67
64QAM	2580	37850	20	1	49	21.20
64QAM	2580	37850	20	1	99	20.86
64QAM	2580	37850	20	50	0	19.98
64QAM	2580	37850	20	50	24	20.04
64QAM	2580	37850	20	50	50	20.05
64QAM	2580	37850	20	100	0	20.04
64QAM	2595	38000	20	1	0	20.90
64QAM	2595	38000	20	1	49	21.25
64QAM	2595	38000	20	1	99	20.68
64QAM	2595	38000	20	50	0	20.07
64QAM	2595	38000	20	50	24	20.12
64QAM	2595	38000	20	50	50	20.00
64QAM	2595	38000	20	100	0	20.09
64QAM	2610	38150	20	1	0	21.13
64QAM	2610	38150	20	1	49	21.36
64QAM	2610	38150	20	1	99	21.00
64QAM	2610	38150	20	50	0	20.04
64QAM	2610	38150	20	50	24	20.06
64QAM	2610	38150	20	50	50	19.99
64QAM	2610	38150	20	100	0	20.01

2 Occupied Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
38	QPSK	2572.5	37775	5	25	0	4.452	Fig.1
38	QPSK	2595	38000	5	25	0	4.440	Fig.2
38	QPSK	2617.5	38225	5	25	0	4.473	Fig.3
38	QPSK	2575	37800	10	50	0	8.994	Fig.4
38	QPSK	2595	38000	10	50	0	8.882	Fig.5
38	QPSK	2615	38200	10	50	0	7.768	Fig.6
38	QPSK	2577.5	37825	15	75	0	13.438	Fig.7
38	QPSK	2595	38000	15	75	0	13.289	Fig.8
38	QPSK	2612.5	38175	15	75	0	12.965	Fig.9
38	QPSK	2580	37850	20	100	0	17.844	Fig.10
38	QPSK	2595	38000	20	100	0	17.844	Fig.11
38	QPSK	2610	38150	20	100	0	17.898	Fig.12

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
38	16QAM	2572.5	37775	5	25	0	4.439	Fig.13
38	16QAM	2595	38000	5	25	0	4.460	Fig.14
38	16QAM	2617.5	38225	5	25	0	4.436	Fig.15
38	16QAM	2575	37800	10	50	0	2.887	Fig.16
38	16QAM	2595	38000	10	50	0	8.906	Fig.17
38	16QAM	2615	38200	10	50	0	8.867	Fig.18
38	16QAM	2577.5	37825	15	75	0	11.328	Fig.19
38	16QAM	2595	38000	15	75	0	13.362	Fig.20
38	16QAM	2612.5	38175	15	75	0	13.443	Fig.21
38	16QAM	2580	37850	20	100	0	17.922	Fig.22
38	16QAM	2595	38000	20	100	0	17.776	Fig.23
38	16QAM	2610	38150	20	100	0	17.831	Fig.24

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
38	64QAM	2572.5	37775	5	25	0	4.474	Fig.25
38	64QAM	2595	38000	5	25	0	4.512	Fig.26
38	64QAM	2617.5	38225	5	25	0	4.501	Fig.27
38	64QAM	2575	37800	10	50	0	8.891	Fig.28
38	64QAM	2595	38000	10	50	0	8.949	Fig.29
38	64QAM	2615	38200	10	50	0	8.871	Fig.30
38	64QAM	2577.5	37825	15	75	0	13.297	Fig.31
38	64QAM	2595	38000	15	75	0	13.320	Fig.32
38	64QAM	2612.5	38175	15	75	0	13.228	Fig.33
38	64QAM	2580	37850	20	100	0	17.920	Fig.34
38	64QAM	2595	38000	20	100	0	17.831	Fig.35
38	64QAM	2610	38150	20	100	0	17.912	Fig.36

Test Mode: QPSK

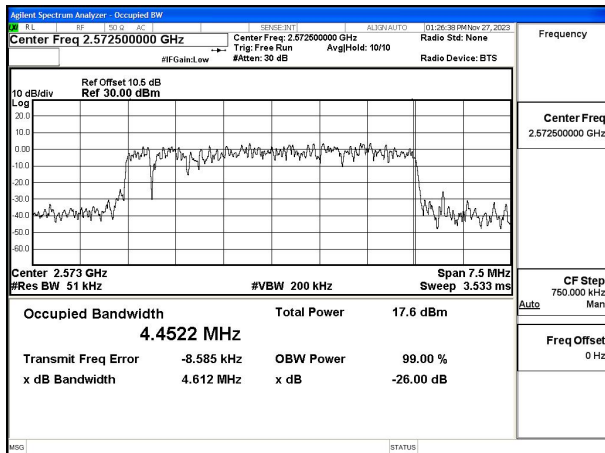


Fig.1

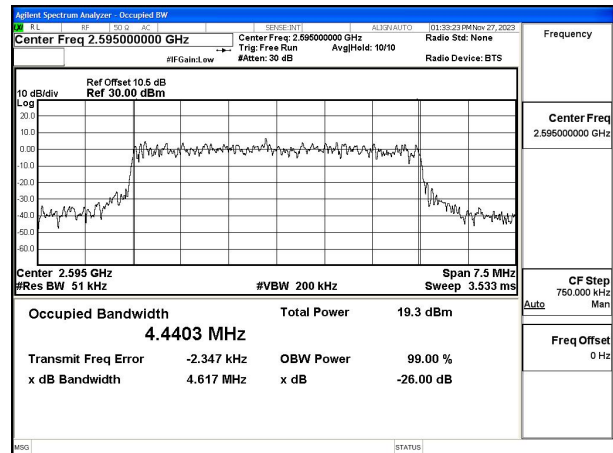


Fig.2

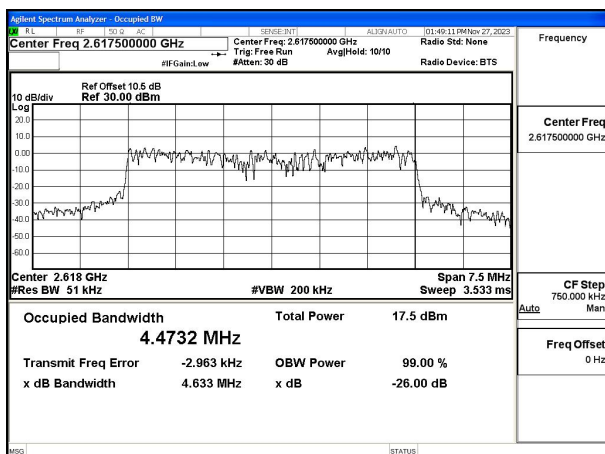


Fig.3

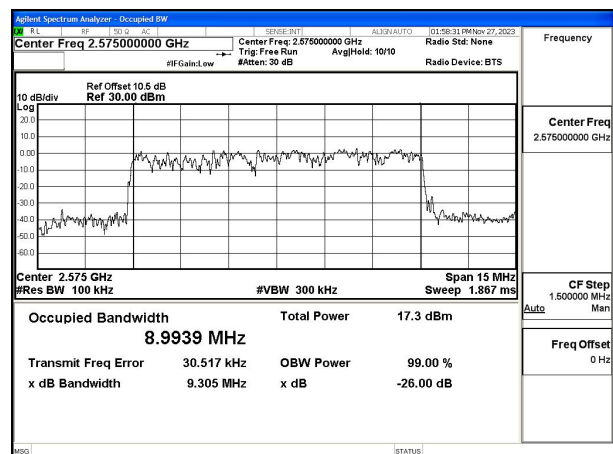


Fig.4

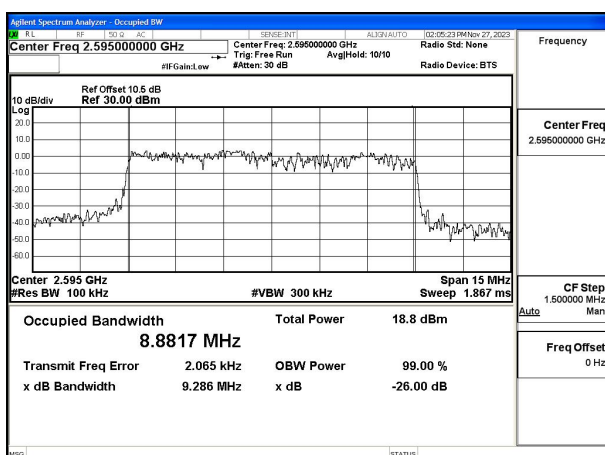


Fig.5

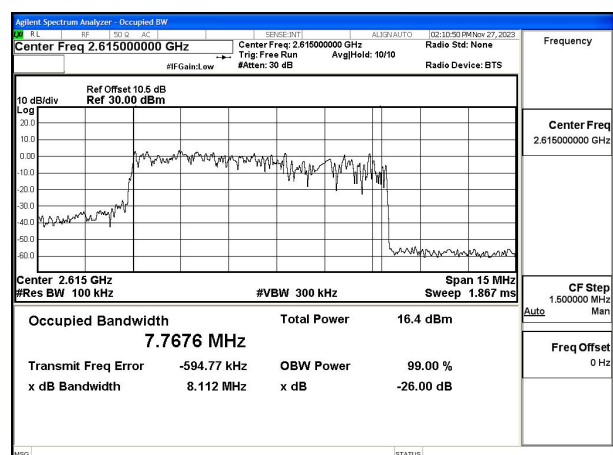


Fig.6

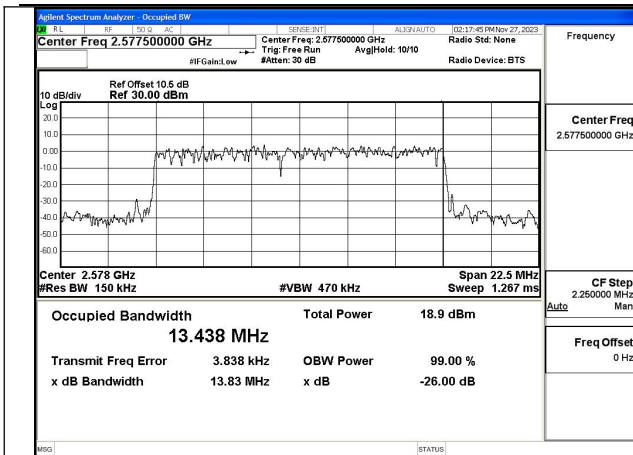


Fig.7

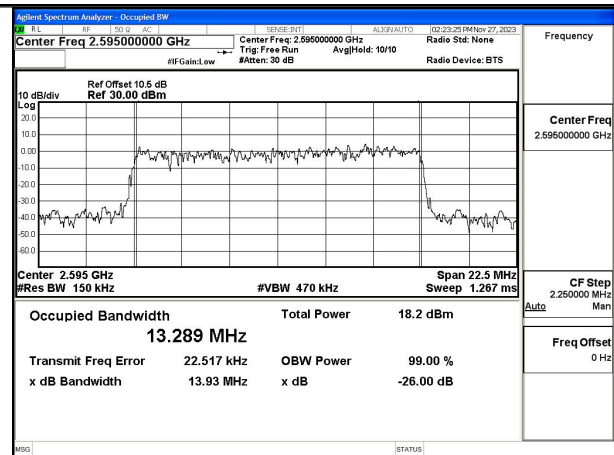


Fig.8

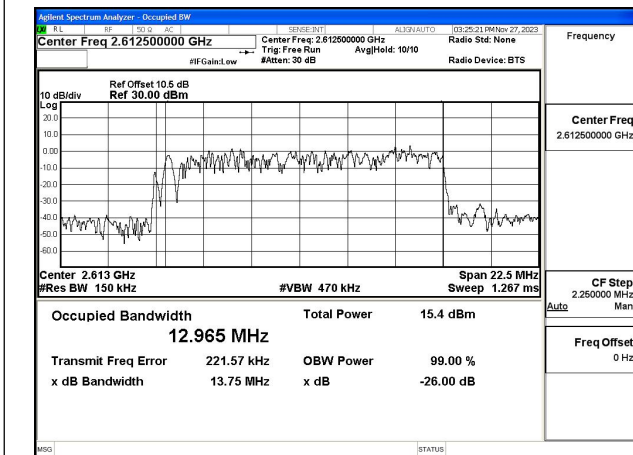


Fig.9

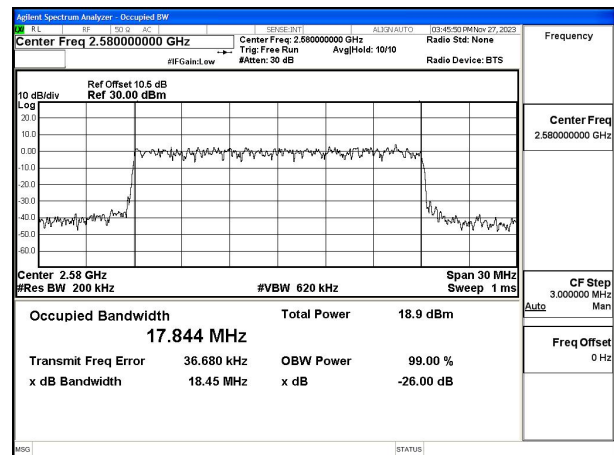


Fig.10

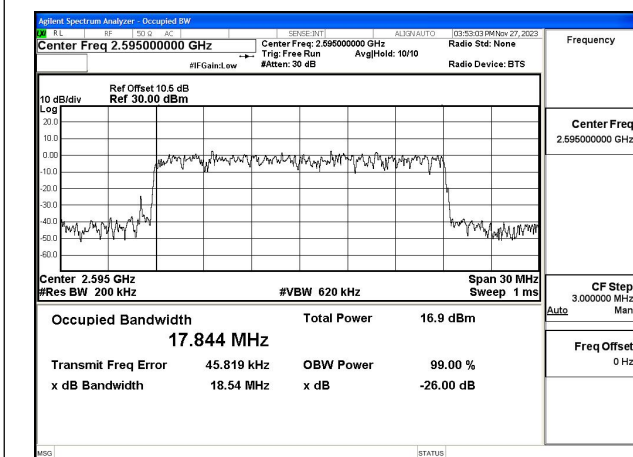


Fig.11

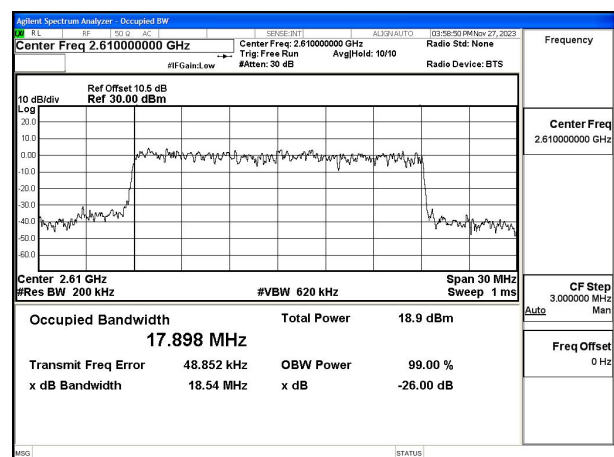


Fig.12

Test Mode: 16QAM

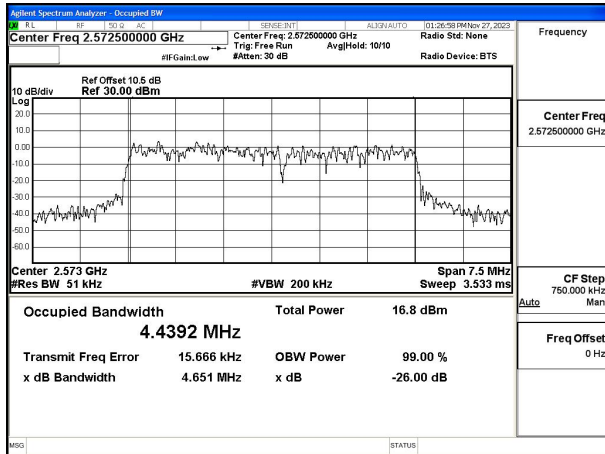


Fig.13

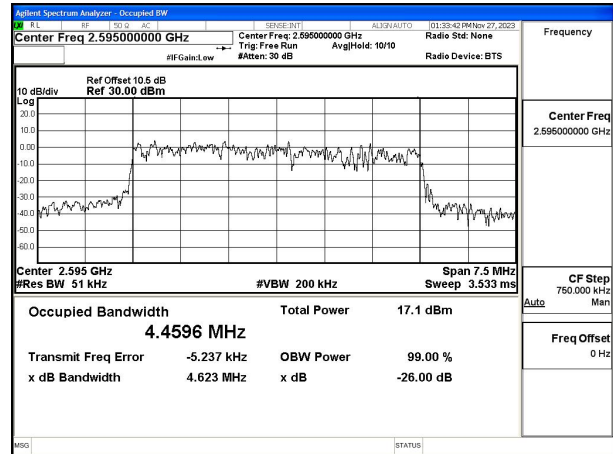


Fig.14

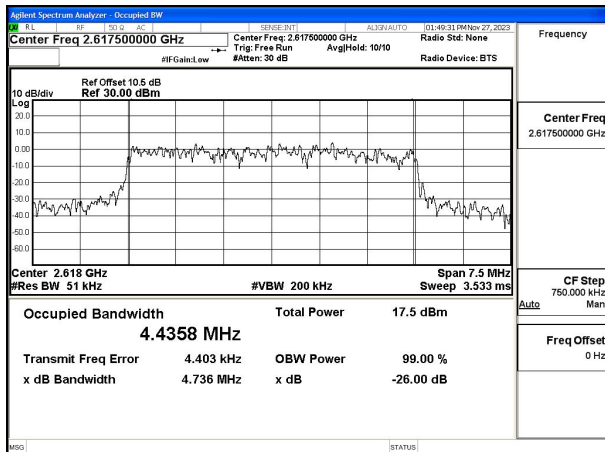


Fig.15

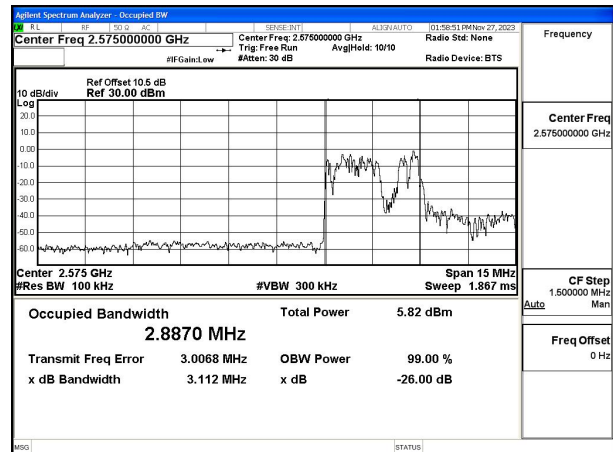


Fig.16

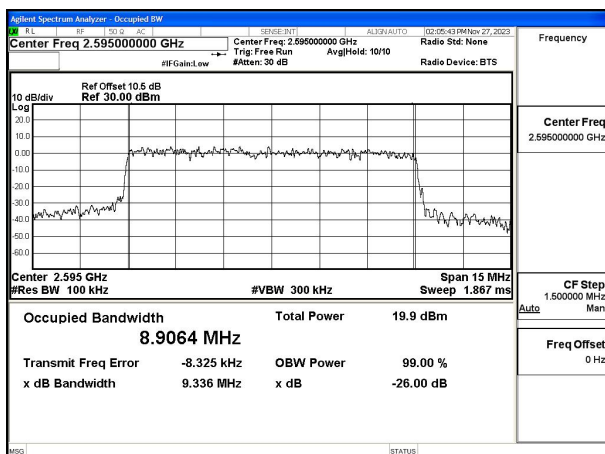


Fig.17

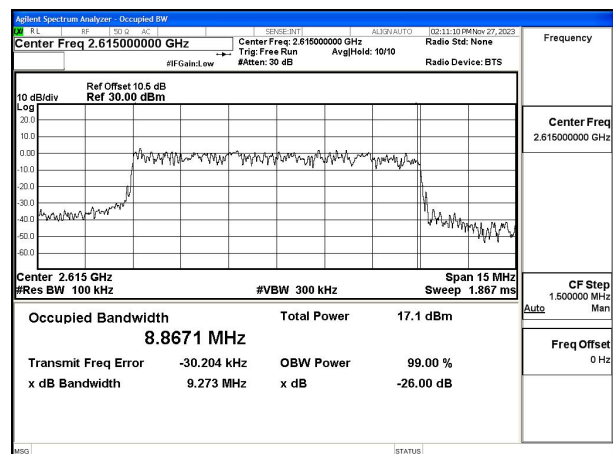


Fig.18

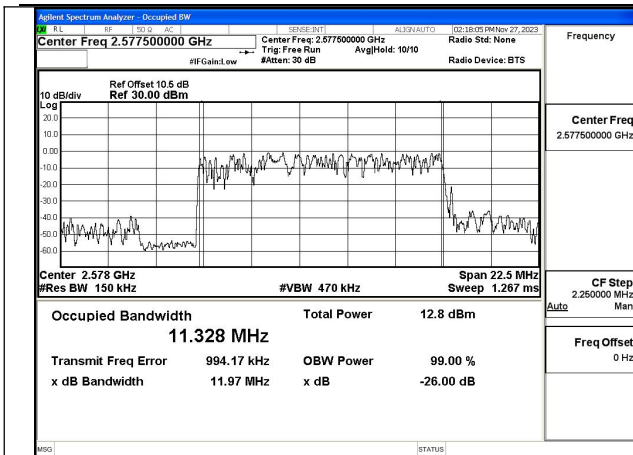


Fig.19

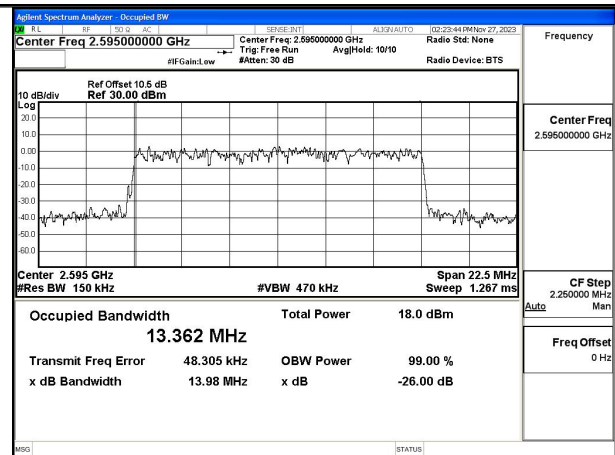


Fig.20

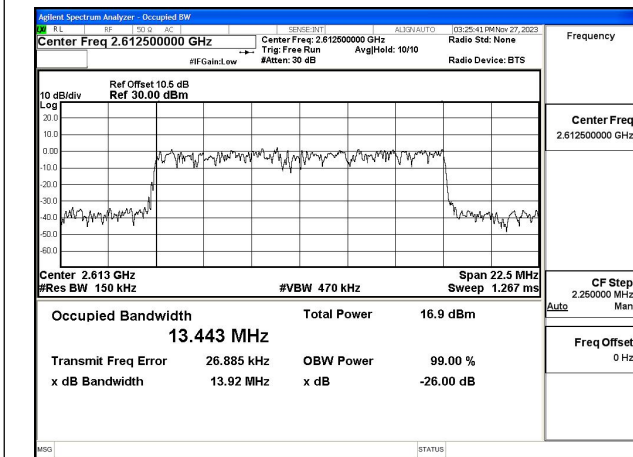


Fig.21

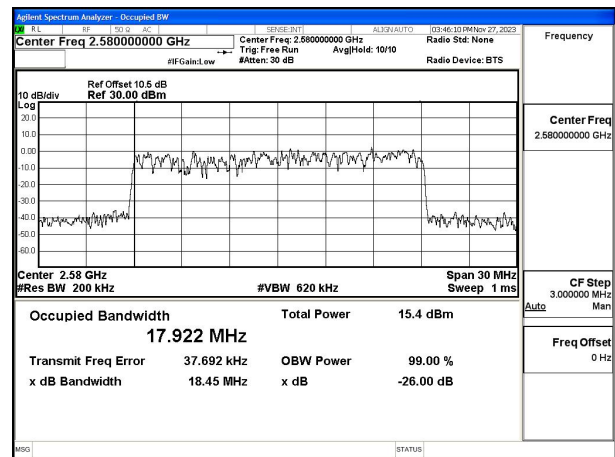


Fig.22

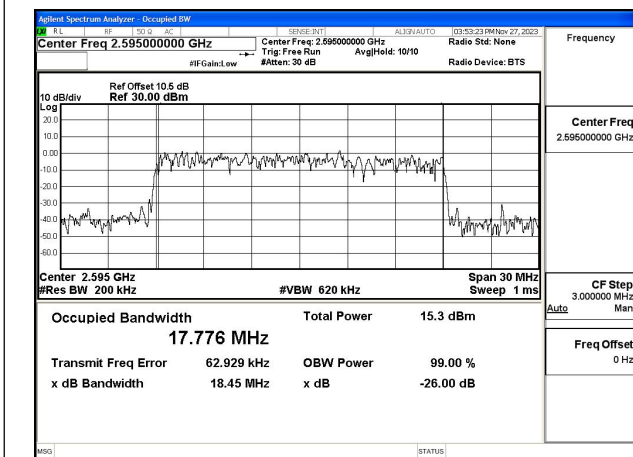


Fig.23

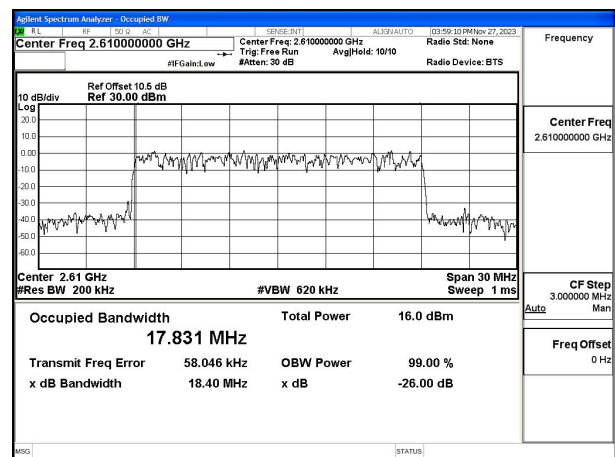


Fig.24

Test Mode: 64QAM

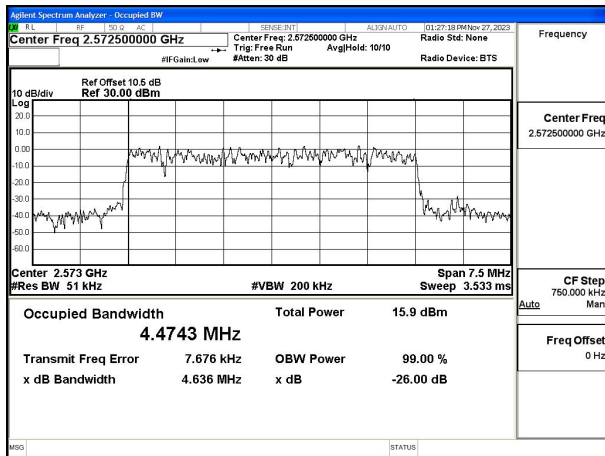


Fig.25

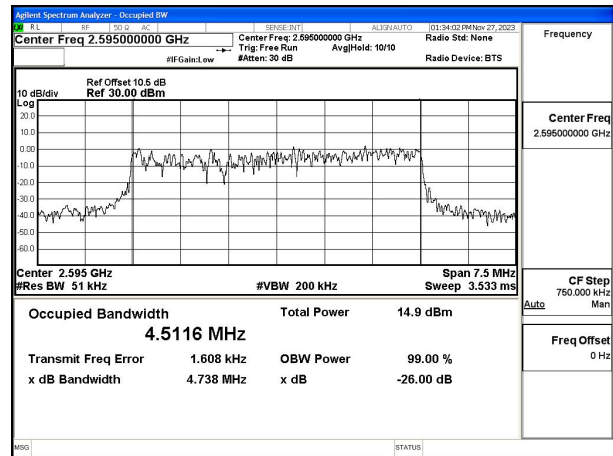


Fig.26

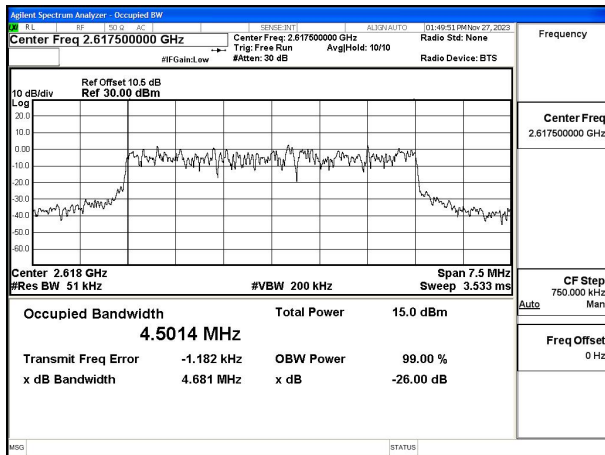


Fig.27

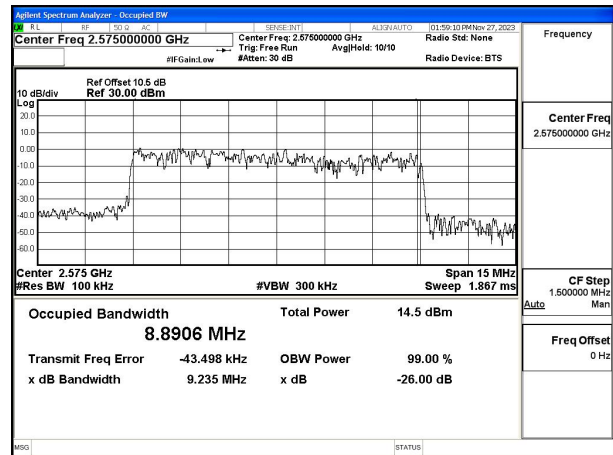


Fig.28

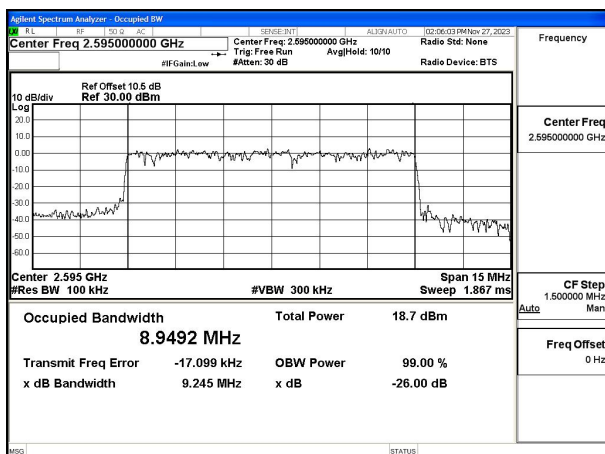


Fig.29

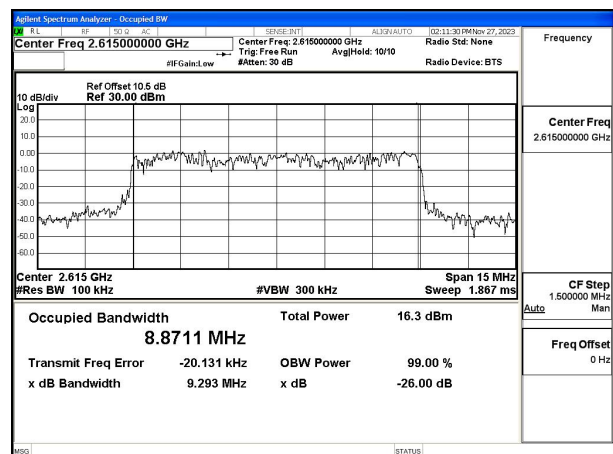


Fig.30

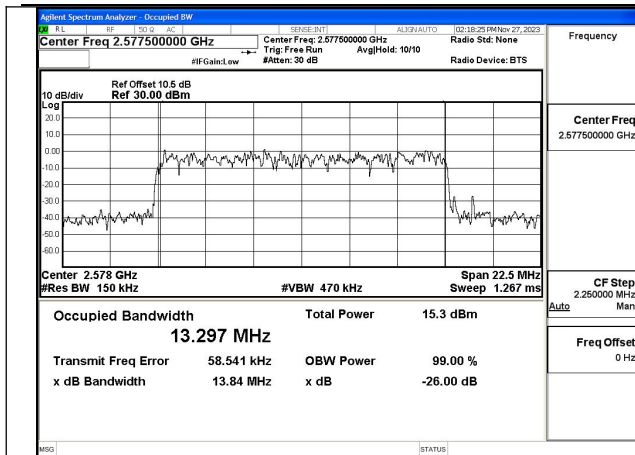


Fig.31

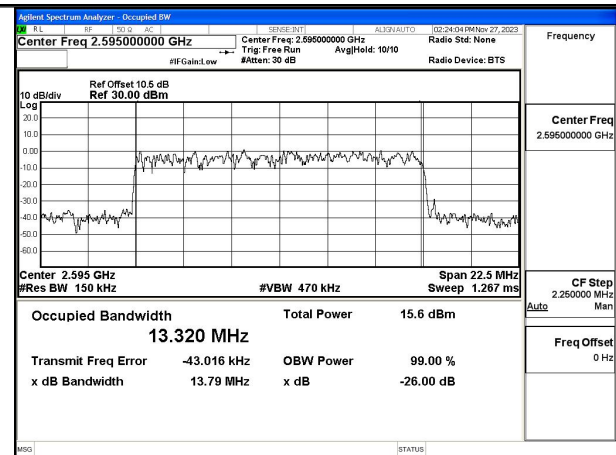


Fig.32

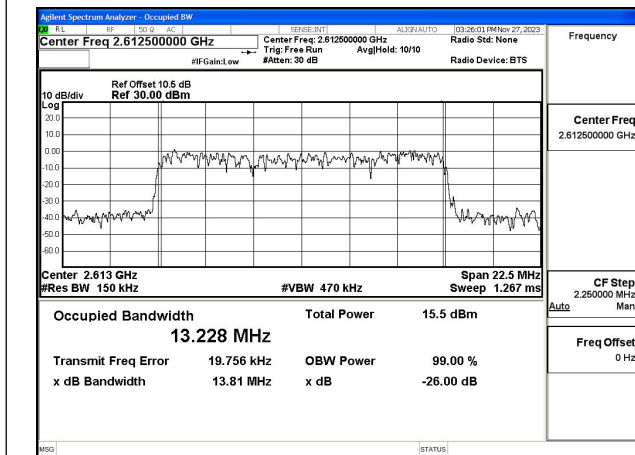


Fig.33

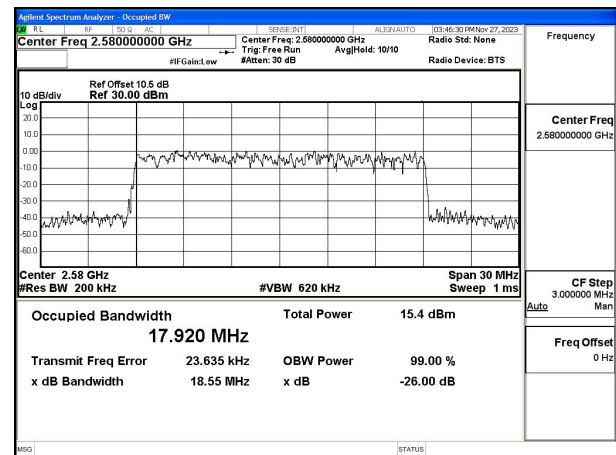


Fig.34

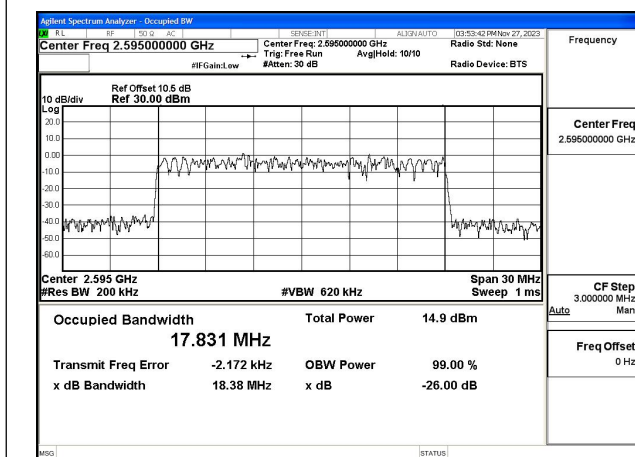


Fig.35

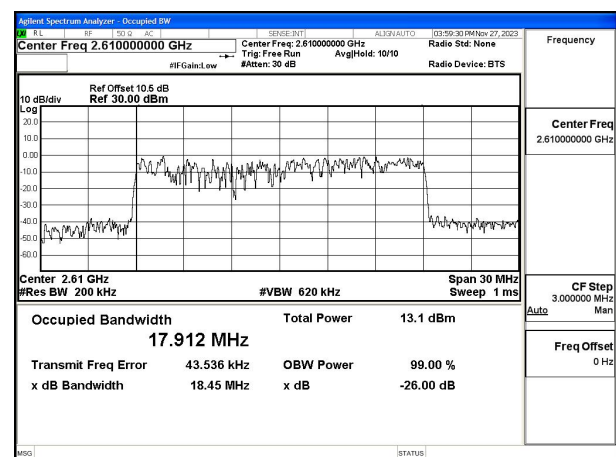


Fig.36

3 Emission Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
38	QPSK	2572.5	37775	5	25	0	4.612	Fig.1
38	QPSK	2595	38000	5	25	0	4.617	Fig.2
38	QPSK	2617.5	38225	5	25	0	4.633	Fig.3
38	QPSK	2575	37800	10	50	0	9.305	Fig.4
38	QPSK	2595	38000	10	50	0	9.286	Fig.5
38	QPSK	2615	38200	10	50	0	8.112	Fig.6
38	QPSK	2577.5	37825	15	75	0	13.831	Fig.7
38	QPSK	2595	38000	15	75	0	13.927	Fig.8
38	QPSK	2612.5	38175	15	75	0	13.754	Fig.9
38	QPSK	2580	37850	20	100	0	18.449	Fig.10
38	QPSK	2595	38000	20	100	0	18.537	Fig.11
38	QPSK	2610	38150	20	100	0	18.539	Fig.12

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
38	16QAM	2572.5	37775	5	25	0	4.651	Fig.13
38	16QAM	2595	38000	5	25	0	4.623	Fig.14
38	16QAM	2617.5	38225	5	25	0	4.736	Fig.15
38	16QAM	2575	37800	10	50	0	3.112	Fig.16
38	16QAM	2595	38000	10	50	0	9.336	Fig.17
38	16QAM	2615	38200	10	50	0	9.273	Fig.18
38	16QAM	2577.5	37825	15	75	0	11.973	Fig.19
38	16QAM	2595	38000	15	75	0	13.983	Fig.20
38	16QAM	2612.5	38175	15	75	0	13.917	Fig.21
38	16QAM	2580	37850	20	100	0	18.449	Fig.22
38	16QAM	2595	38000	20	100	0	18.454	Fig.23
38	16QAM	2610	38150	20	100	0	18.403	Fig.24

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
38	64QAM	2572.5	37775	5	25	0	4.636	Fig.25
38	64QAM	2595	38000	5	25	0	4.738	Fig.26
38	64QAM	2617.5	38225	5	25	0	4.681	Fig.27
38	64QAM	2575	37800	10	50	0	9.235	Fig.28
38	64QAM	2595	38000	10	50	0	9.245	Fig.29
38	64QAM	2615	38200	10	50	0	9.293	Fig.30
38	64QAM	2577.5	37825	15	75	0	13.843	Fig.31
38	64QAM	2595	38000	15	75	0	13.789	Fig.32
38	64QAM	2612.5	38175	15	75	0	13.808	Fig.33
38	64QAM	2580	37850	20	100	0	18.553	Fig.34
38	64QAM	2595	38000	20	100	0	18.383	Fig.35
38	64QAM	2610	38150	20	100	0	18.450	Fig.36

Test Mode: QPSK

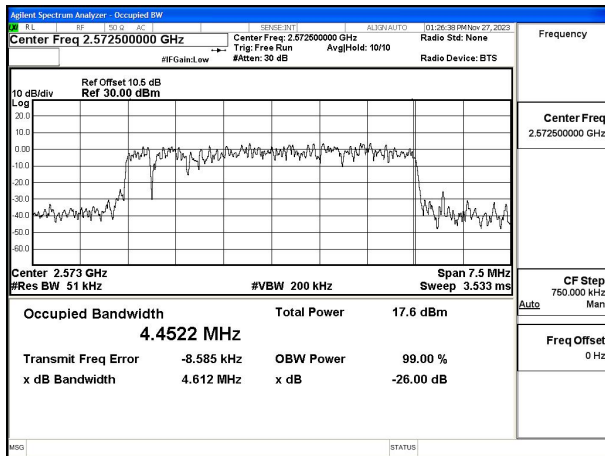


Fig.1

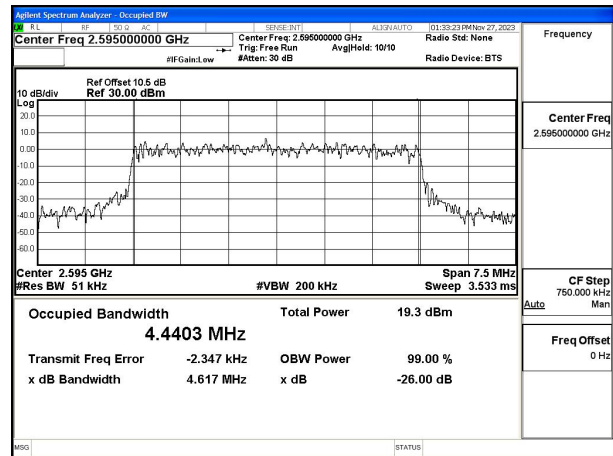


Fig.2

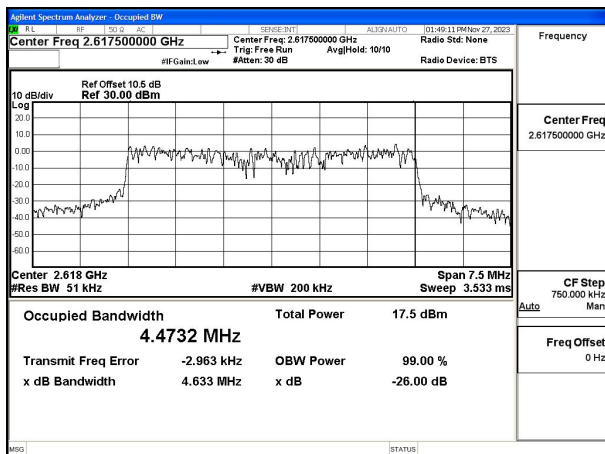


Fig.3

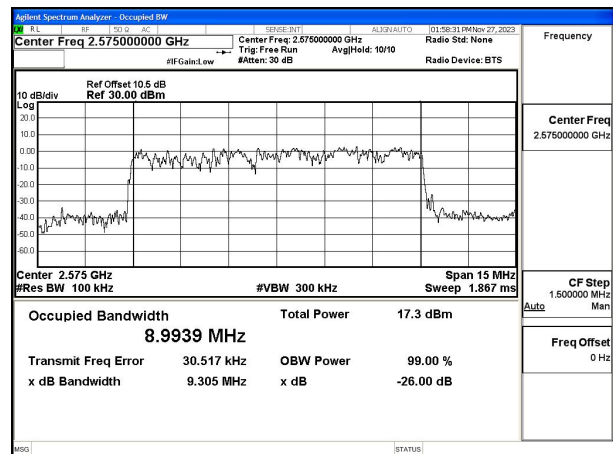


Fig.4

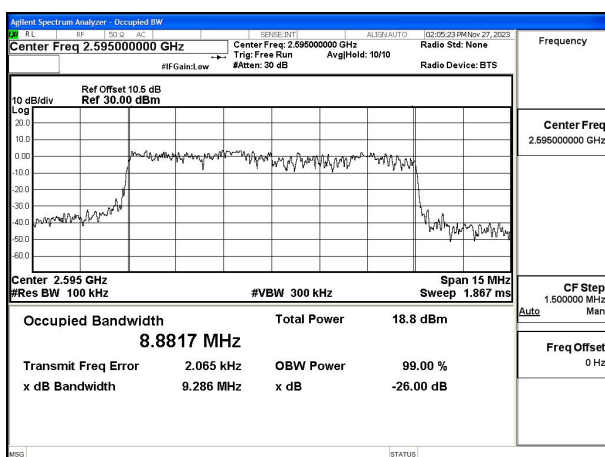


Fig.5

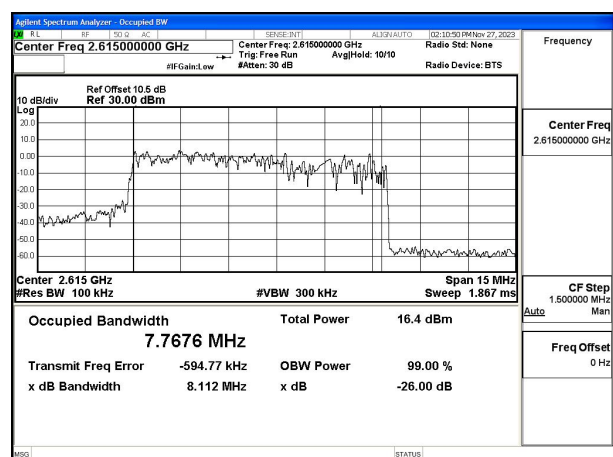


Fig.6

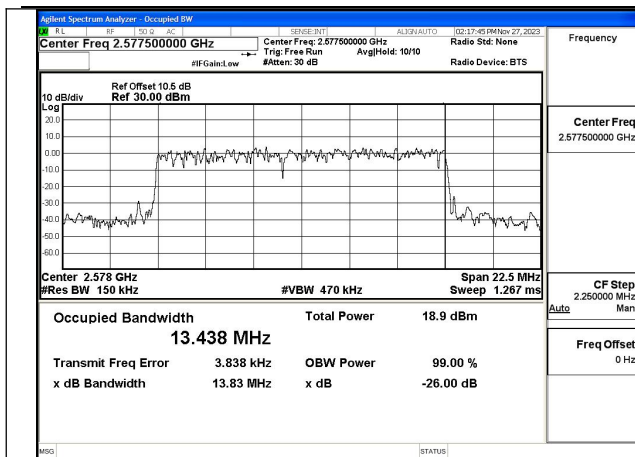


Fig.7

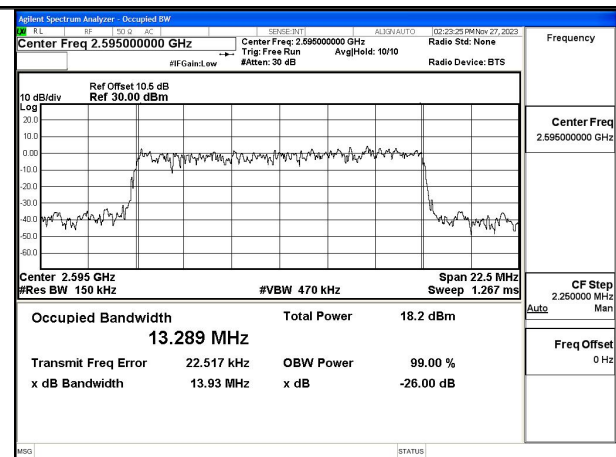


Fig.8

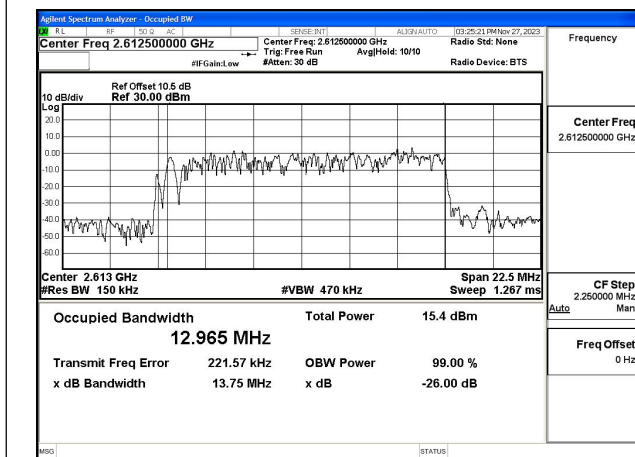


Fig.9

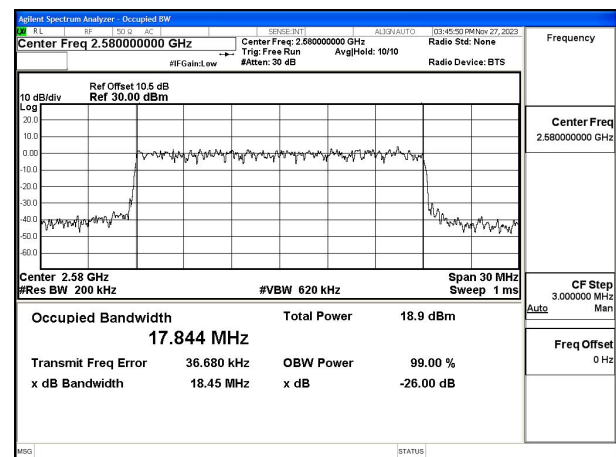


Fig.10

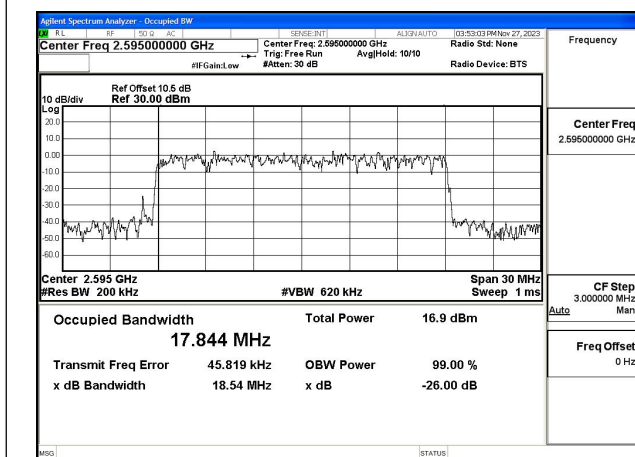


Fig.11

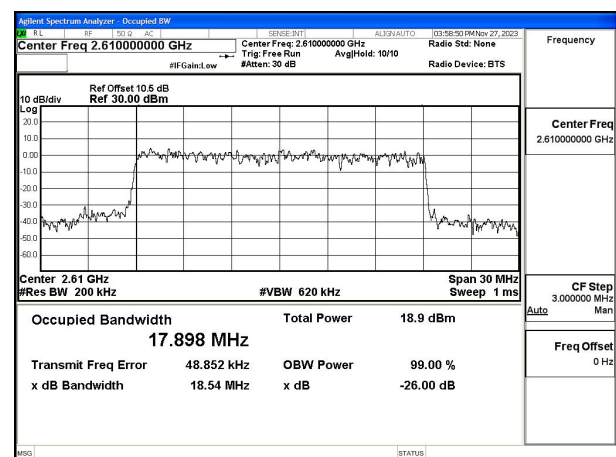


Fig.12