

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	22.73
QPSK	2572.5	37775	5	1	12	22.91
QPSK	2572.5	37775	5	1	24	22.80
QPSK	2572.5	37775	5	12	0	21.86
QPSK	2572.5	37775	5	12	7	21.82
QPSK	2572.5	37775	5	12	13	21.87
QPSK	2572.5	37775	5	25	0	21.84
QPSK	2595	38000	5	1	0	22.52
QPSK	2595	38000	5	1	12	22.53
QPSK	2595	38000	5	1	24	22.45
QPSK	2595	38000	5	12	0	21.50
QPSK	2595	38000	5	12	7	21.68
QPSK	2595	38000	5	12	13	21.50
QPSK	2595	38000	5	25	0	21.51
QPSK	2617.5	38225	5	1	0	22.32
QPSK	2617.5	38225	5	1	12	22.30
QPSK	2617.5	38225	5	1	24	22.34
QPSK	2617.5	38225	5	12	0	21.26
QPSK	2617.5	38225	5	12	7	21.44
QPSK	2617.5	38225	5	12	13	21.33
QPSK	2617.5	38225	5	25	0	21.35

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2572.5	37775	5	1	0	22.34
16QAM	2572.5	37775	5	1	12	22.37
16QAM	2572.5	37775	5	1	24	22.22
16QAM	2572.5	37775	5	12	0	20.92
16QAM	2572.5	37775	5	12	7	21.02
16QAM	2572.5	37775	5	12	13	21.08
16QAM	2572.5	37775	5	25	0	20.95
16QAM	2595	38000	5	1	0	21.84
16QAM	2595	38000	5	1	12	21.68
16QAM	2595	38000	5	1	24	21.64
16QAM	2595	38000	5	12	0	20.53
16QAM	2595	38000	5	12	7	20.62
16QAM	2595	38000	5	12	13	20.56
16QAM	2595	38000	5	25	0	20.52
16QAM	2617.5	38225	5	1	0	21.73
16QAM	2617.5	38225	5	1	12	21.64
16QAM	2617.5	38225	5	1	24	21.89
16QAM	2617.5	38225	5	12	0	20.41
16QAM	2617.5	38225	5	12	7	20.44
16QAM	2617.5	38225	5	12	13	20.41
16QAM	2617.5	38225	5	25	0	20.32
64QAM	2572.5	37775	5	1	0	21.22
64QAM	2572.5	37775	5	1	12	21.24
64QAM	2572.5	37775	5	1	24	21.09
64QAM	2572.5	37775	5	12	0	19.88
64QAM	2572.5	37775	5	12	7	19.87
64QAM	2572.5	37775	5	12	13	19.89
64QAM	2572.5	37775	5	25	0	19.71
64QAM	2595	38000	5	1	0	20.69
64QAM	2595	38000	5	1	12	20.70
64QAM	2595	38000	5	1	24	20.66
64QAM	2595	38000	5	12	0	19.34
64QAM	2595	38000	5	12	7	19.64
64QAM	2595	38000	5	12	13	19.41
64QAM	2595	38000	5	25	0	19.48
64QAM	2617.5	38225	5	1	0	20.70
64QAM	2617.5	38225	5	1	12	20.80
64QAM	2617.5	38225	5	1	24	20.78
64QAM	2617.5	38225	5	12	0	19.29
64QAM	2617.5	38225	5	12	7	19.34
64QAM	2617.5	38225	5	12	13	19.44
64QAM	2617.5	38225	5	25	0	19.38

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2575	37800	10	1	0	22.52
QPSK	2575	37800	10	1	25	22.68
QPSK	2575	37800	10	1	49	22.64
QPSK	2575	37800	10	25	0	21.79
QPSK	2575	37800	10	25	12	21.85
QPSK	2575	37800	10	25	25	21.80
QPSK	2575	37800	10	50	0	21.86
QPSK	2595	38000	10	1	0	22.55
QPSK	2595	38000	10	1	25	22.34
QPSK	2595	38000	10	1	49	22.30
QPSK	2595	38000	10	25	0	21.57
QPSK	2595	38000	10	25	12	21.51
QPSK	2595	38000	10	25	25	21.45
QPSK	2595	38000	10	50	0	21.49
QPSK	2615	38200	10	1	0	22.19
QPSK	2615	38200	10	1	25	22.18
QPSK	2615	38200	10	1	49	22.34
QPSK	2615	38200	10	25	0	21.30
QPSK	2615	38200	10	25	12	21.43
QPSK	2615	38200	10	25	25	21.38
QPSK	2615	38200	10	50	0	21.40

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2575	37800	10	1	0	22.04
16QAM	2575	37800	10	1	25	21.98
16QAM	2575	37800	10	1	49	22.32
16QAM	2575	37800	10	25	0	20.83
16QAM	2575	37800	10	25	12	20.87
16QAM	2575	37800	10	25	25	20.89
16QAM	2575	37800	10	50	0	20.85
16QAM	2595	38000	10	1	0	21.86
16QAM	2595	38000	10	1	25	21.90
16QAM	2595	38000	10	1	49	21.77
16QAM	2595	38000	10	25	0	20.49
16QAM	2595	38000	10	25	12	20.57
16QAM	2595	38000	10	25	25	20.47
16QAM	2595	38000	10	50	0	20.52
16QAM	2615	38200	10	1	0	21.42
16QAM	2615	38200	10	1	25	21.52
16QAM	2615	38200	10	1	49	21.66
16QAM	2615	38200	10	25	0	20.23
16QAM	2615	38200	10	25	12	20.28
16QAM	2615	38200	10	25	25	20.34
16QAM	2615	38200	10	50	0	20.30
64QAM	2575	37800	10	1	0	21.28
64QAM	2575	37800	10	1	25	21.32
64QAM	2575	37800	10	1	49	21.30
64QAM	2575	37800	10	25	0	19.73
64QAM	2575	37800	10	25	12	19.75
64QAM	2575	37800	10	25	25	19.76
64QAM	2575	37800	10	50	0	19.92
64QAM	2595	38000	10	1	0	20.55
64QAM	2595	38000	10	1	25	20.63
64QAM	2595	38000	10	1	49	20.40
64QAM	2595	38000	10	25	0	19.52
64QAM	2595	38000	10	25	12	19.40
64QAM	2595	38000	10	25	25	19.46
64QAM	2595	38000	10	50	0	19.47
64QAM	2615	38200	10	1	0	19.92
64QAM	2615	38200	10	1	25	19.93
64QAM	2615	38200	10	1	49	19.97
64QAM	2615	38200	10	25	0	19.25
64QAM	2615	38200	10	25	12	19.35
64QAM	2615	38200	10	25	25	19.34
64QAM	2615	38200	10	50	0	19.29

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2577.5	37825	15	1	0	22.41
QPSK	2577.5	37825	15	1	37	22.40
QPSK	2577.5	37825	15	1	74	22.48
QPSK	2577.5	37825	15	36	0	21.67
QPSK	2577.5	37825	15	36	29	21.67
QPSK	2577.5	37825	15	36	30	21.58
QPSK	2577.5	37825	15	75	0	21.66
QPSK	2595	38000	15	1	0	22.31
QPSK	2595	38000	15	1	37	22.10
QPSK	2595	38000	15	1	74	22.00
QPSK	2595	38000	15	36	0	21.40
QPSK	2595	38000	15	36	29	21.33
QPSK	2595	38000	15	36	30	21.33
QPSK	2595	38000	15	75	0	21.32
QPSK	2612.5	38175	15	1	0	22.18
QPSK	2612.5	38175	15	1	37	21.99
QPSK	2612.5	38175	15	1	74	22.05
QPSK	2612.5	38175	15	36	0	21.16
QPSK	2612.5	38175	15	36	29	21.20
QPSK	2612.5	38175	15	36	30	21.26
QPSK	2612.5	38175	15	75	0	21.26

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2577.5	37825	15	1	0	21.81
16QAM	2577.5	37825	15	1	37	21.83
16QAM	2577.5	37825	15	1	74	21.71
16QAM	2577.5	37825	15	36	0	20.68
16QAM	2577.5	37825	15	36	29	20.71
16QAM	2577.5	37825	15	36	30	20.78
16QAM	2577.5	37825	15	75	0	20.63
16QAM	2595	38000	15	1	0	21.76
16QAM	2595	38000	15	1	37	21.79
16QAM	2595	38000	15	1	74	21.51
16QAM	2595	38000	15	36	0	20.41
16QAM	2595	38000	15	36	29	20.35
16QAM	2595	38000	15	36	30	20.25
16QAM	2595	38000	15	75	0	20.37
16QAM	2612.5	38175	15	1	0	21.34
16QAM	2612.5	38175	15	1	37	21.39
16QAM	2612.5	38175	15	1	74	21.33
16QAM	2612.5	38175	15	36	0	20.16
16QAM	2612.5	38175	15	36	29	20.17
16QAM	2612.5	38175	15	36	30	20.27
16QAM	2612.5	38175	15	75	0	20.27
64QAM	2577.5	37825	15	1	0	21.04
64QAM	2577.5	37825	15	1	37	21.05
64QAM	2577.5	37825	15	1	74	21.10
64QAM	2577.5	37825	15	36	0	19.63
64QAM	2577.5	37825	15	36	29	19.60
64QAM	2577.5	37825	15	36	30	19.66
64QAM	2577.5	37825	15	75	0	19.70
64QAM	2595	38000	15	1	0	20.51
64QAM	2595	38000	15	1	37	20.40
64QAM	2595	38000	15	1	74	20.21
64QAM	2595	38000	15	36	0	19.46
64QAM	2595	38000	15	36	29	19.37
64QAM	2595	38000	15	36	30	19.33
64QAM	2595	38000	15	75	0	19.39
64QAM	2612.5	38175	15	1	0	20.29
64QAM	2612.5	38175	15	1	37	20.35
64QAM	2612.5	38175	15	1	74	20.27
64QAM	2612.5	38175	15	36	0	19.25
64QAM	2612.5	38175	15	36	29	19.29
64QAM	2612.5	38175	15	36	30	19.25
64QAM	2612.5	38175	15	75	0	19.12

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2580	37850	20	1	0	22.40
QPSK	2580	37850	20	1	49	22.50
QPSK	2580	37850	20	1	99	22.39
QPSK	2580	37850	20	50	0	21.58
QPSK	2580	37850	20	50	24	21.66
QPSK	2580	37850	20	50	50	21.70
QPSK	2580	37850	20	100	0	21.66
QPSK	2595	38000	20	1	0	22.41
QPSK	2595	38000	20	1	49	22.27
QPSK	2595	38000	20	1	99	22.22
QPSK	2595	38000	20	50	0	21.40
QPSK	2595	38000	20	50	24	21.34
QPSK	2595	38000	20	50	50	21.25
QPSK	2595	38000	20	100	0	21.42
QPSK	2610	38150	20	1	0	22.05
QPSK	2610	38150	20	1	49	21.92
QPSK	2610	38150	20	1	99	22.03
QPSK	2610	38150	20	50	0	21.16
QPSK	2610	38150	20	50	24	21.18
QPSK	2610	38150	20	50	50	21.19
QPSK	2610	38150	20	100	0	21.23

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2580	37850	20	1	0	21.75
16QAM	2580	37850	20	1	49	21.83
16QAM	2580	37850	20	1	99	21.70
16QAM	2580	37850	20	50	0	20.57
16QAM	2580	37850	20	50	24	20.64
16QAM	2580	37850	20	50	50	20.60
16QAM	2580	37850	20	100	0	20.66
16QAM	2595	38000	20	1	0	21.92
16QAM	2595	38000	20	1	49	21.64
16QAM	2595	38000	20	1	99	21.47
16QAM	2595	38000	20	50	0	20.41
16QAM	2595	38000	20	50	24	20.34
16QAM	2595	38000	20	50	50	20.32
16QAM	2595	38000	20	100	0	20.38
16QAM	2610	38150	20	1	0	21.03
16QAM	2610	38150	20	1	49	20.95
16QAM	2610	38150	20	1	99	21.07
16QAM	2610	38150	20	50	0	20.27
16QAM	2610	38150	20	50	24	20.25
16QAM	2610	38150	20	50	50	20.20
16QAM	2610	38150	20	100	0	20.24
64QAM	2580	37850	20	1	0	20.48
64QAM	2580	37850	20	1	49	20.49
64QAM	2580	37850	20	1	99	20.47
64QAM	2580	37850	20	50	0	19.64
64QAM	2580	37850	20	50	24	19.69
64QAM	2580	37850	20	50	50	19.64
64QAM	2580	37850	20	100	0	19.70
64QAM	2595	38000	20	1	0	20.39
64QAM	2595	38000	20	1	49	20.23
64QAM	2595	38000	20	1	99	20.03
64QAM	2595	38000	20	50	0	19.48
64QAM	2595	38000	20	50	24	19.38
64QAM	2595	38000	20	50	50	19.28
64QAM	2595	38000	20	100	0	19.30
64QAM	2610	38150	20	1	0	20.53
64QAM	2610	38150	20	1	49	20.29
64QAM	2610	38150	20	1	99	20.37
64QAM	2610	38150	20	50	0	19.31
64QAM	2610	38150	20	50	24	19.33
64QAM	2610	38150	20	50	50	19.23
64QAM	2610	38150	20	100	0	19.31

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	4.460	Fig.1
38	QPSK	2595	38000	5	25	0	4.454	Fig.2
38	QPSK	2617.5	38225	5	25	0	4.446	Fig.3
38	QPSK	2575	37800	10	50	0	8.893	Fig.4
38	QPSK	2595	38000	10	50	0	8.900	Fig.5
38	QPSK	2615	38200	10	50	0	8.770	Fig.6
38	QPSK	2577.5	37825	15	75	0	13.376	Fig.7
38	QPSK	2595	38000	15	75	0	13.334	Fig.8
38	QPSK	2612.5	38175	15	75	0	13.426	Fig.9
38	QPSK	2580	37850	20	100	0	17.751	Fig.10
38	QPSK	2595	38000	20	100	0	17.892	Fig.11
38	QPSK	2610	38150	20	100	0	17.770	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	4.456	Fig.13
38	16QAM	2595	38000	5	25	0	4.486	Fig.14
38	16QAM	2617.5	38225	5	25	0	4.501	Fig.15
38	16QAM	2575	37800	10	50	0	8.804	Fig.16
38	16QAM	2595	38000	10	50	0	8.879	Fig.17
38	16QAM	2615	38200	10	50	0	8.899	Fig.18
38	16QAM	2577.5	37825	15	75	0	13.395	Fig.19
38	16QAM	2595	38000	15	75	0	13.392	Fig.20
38	16QAM	2612.5	38175	15	75	0	13.385	Fig.21
38	16QAM	2580	37850	20	100	0	17.788	Fig.22
38	16QAM	2595	38000	20	100	0	17.891	Fig.23
38	16QAM	2610	38150	20	100	0	17.699	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	4.488	Fig.25
38	64QAM	2595	38000	5	25	0	4.464	Fig.26
38	64QAM	2617.5	38225	5	25	0	4.487	Fig.27
38	64QAM	2575	37800	10	50	0	8.905	Fig.28
38	64QAM	2595	38000	10	50	0	8.907	Fig.29
38	64QAM	2615	38200	10	50	0	8.918	Fig.30
38	64QAM	2577.5	37825	15	75	0	13.420	Fig.31
38	64QAM	2595	38000	15	75	0	13.387	Fig.32
38	64QAM	2612.5	38175	15	75	0	13.327	Fig.33
38	64QAM	2580	37850	20	100	0	17.822	Fig.34
38	64QAM	2595	38000	20	100	0	17.730	Fig.35
38	64QAM	2610	38150	20	100	0	17.706	Fig.36

Test Mode: QPSK

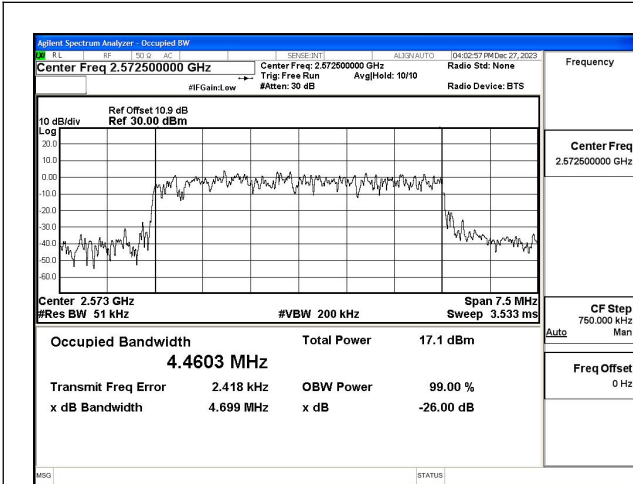


Fig.1

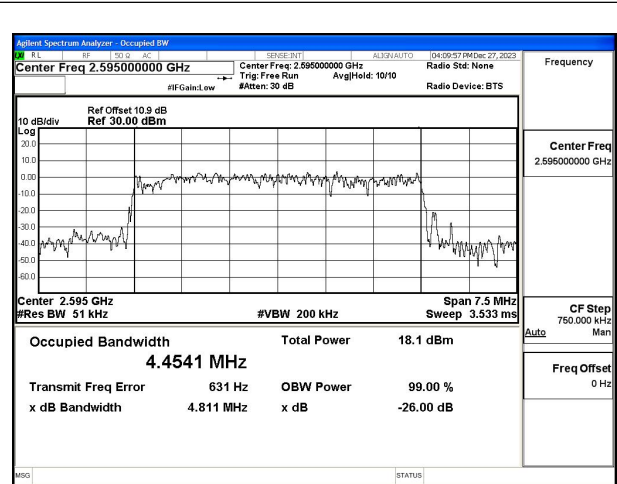


Fig.2

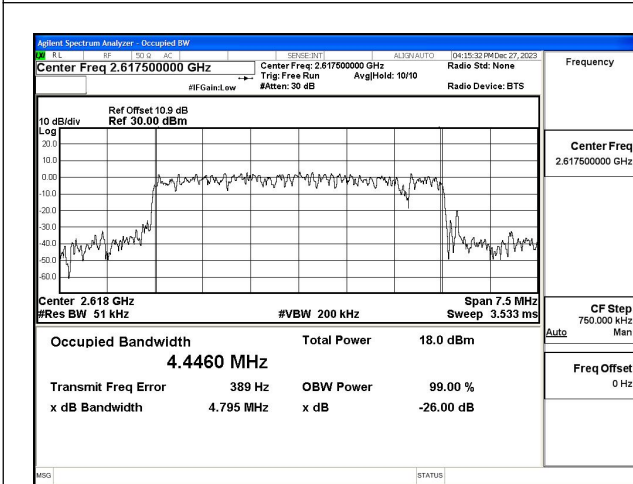


Fig.3

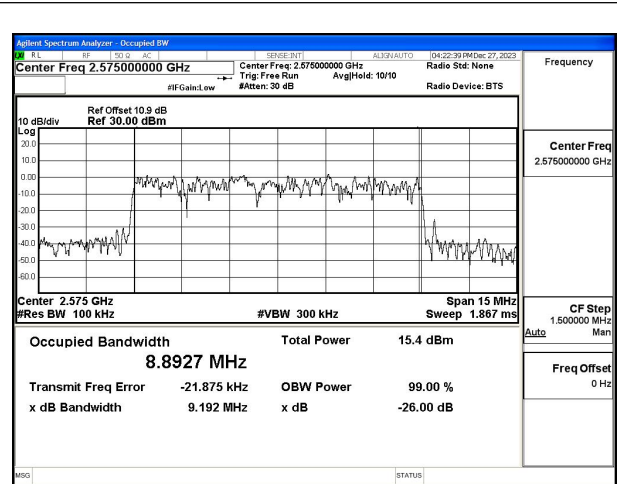


Fig.4

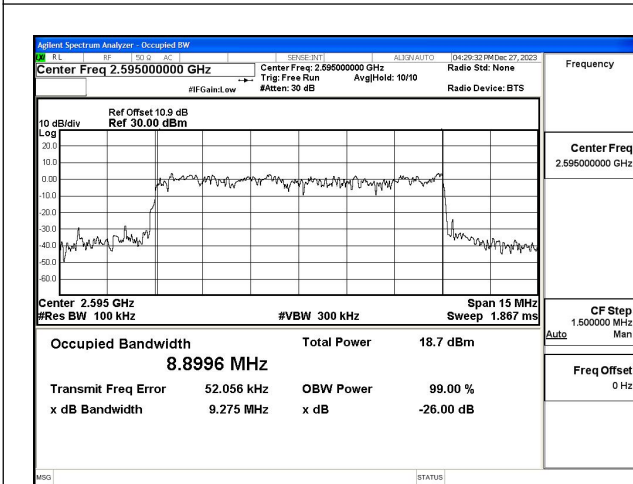


Fig.5

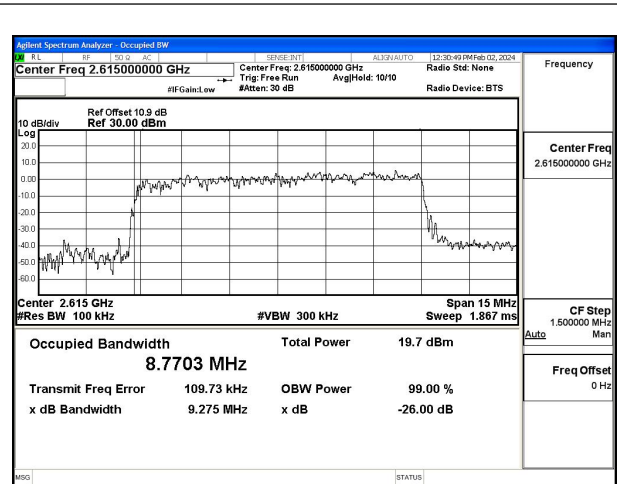


Fig.6

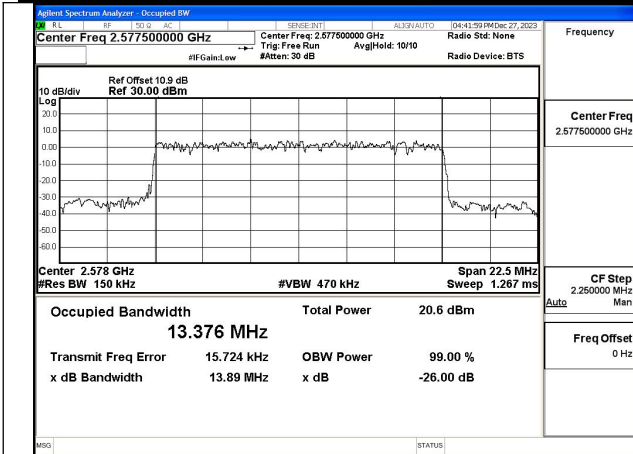


Fig.7

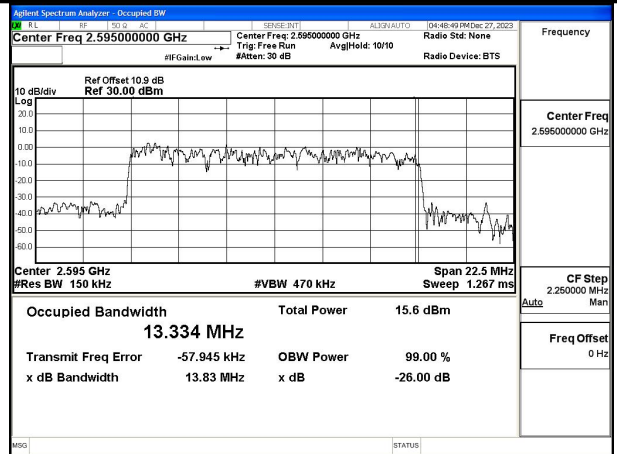


Fig.8

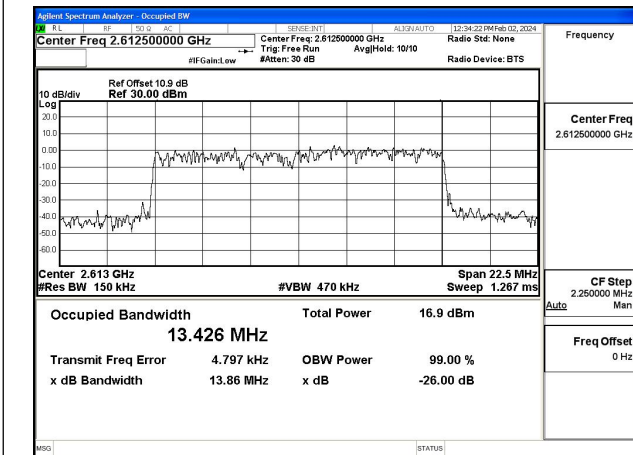


Fig.9

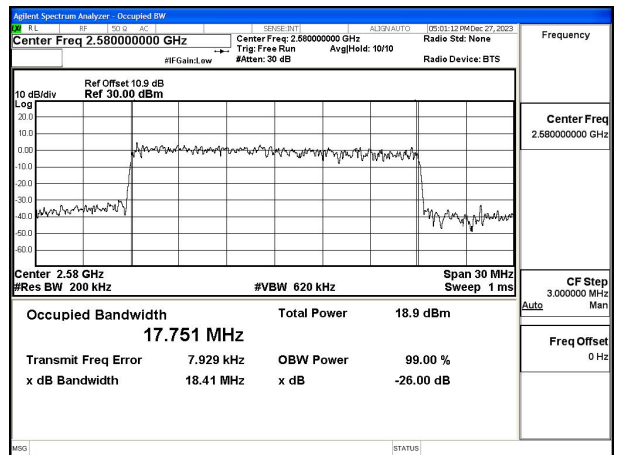


Fig.10

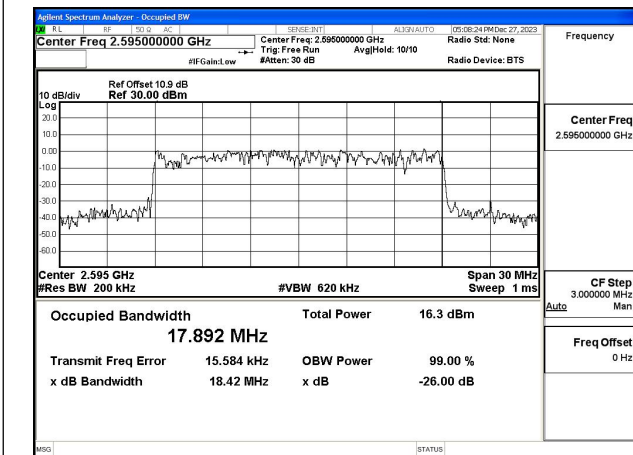


Fig.11

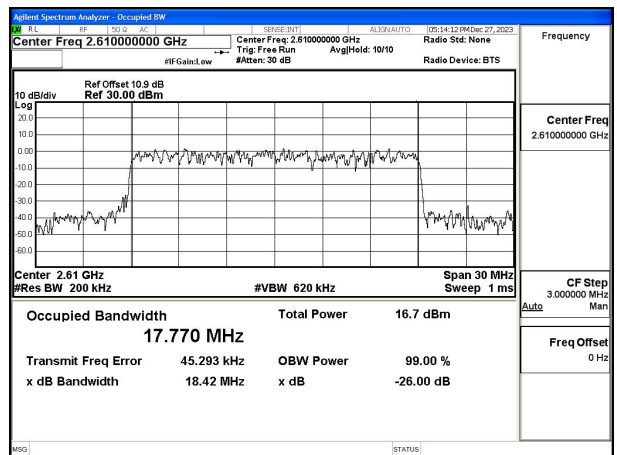


Fig.12

Test Mode: 16QAM

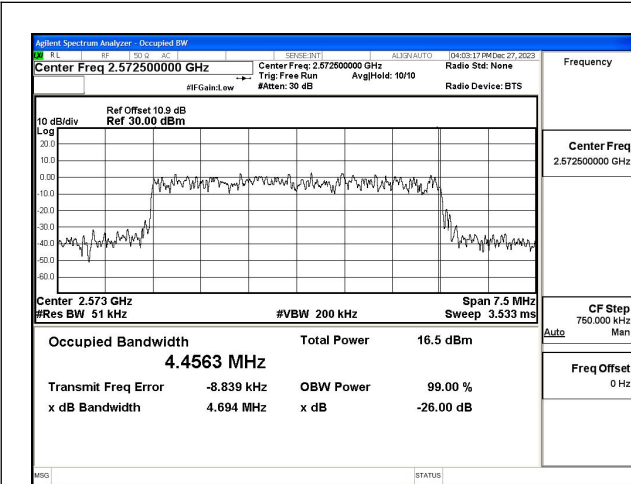


Fig.13

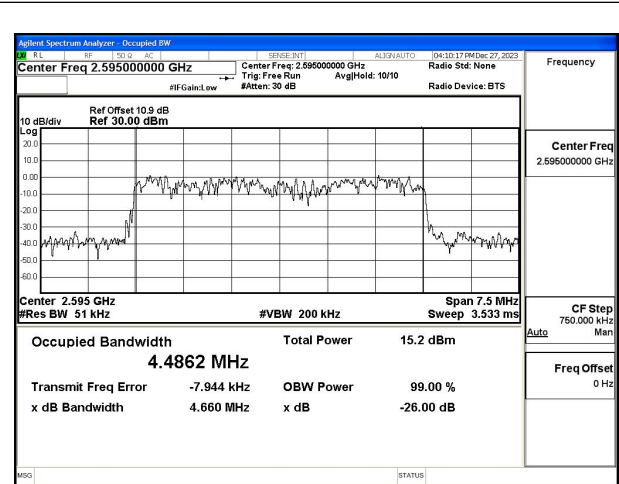


Fig.14

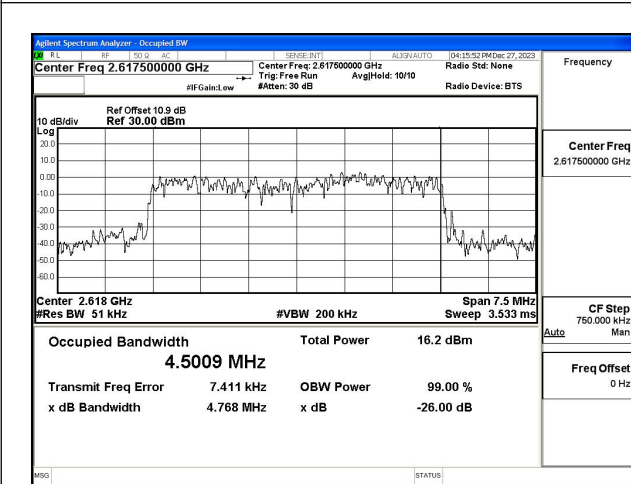


Fig.15

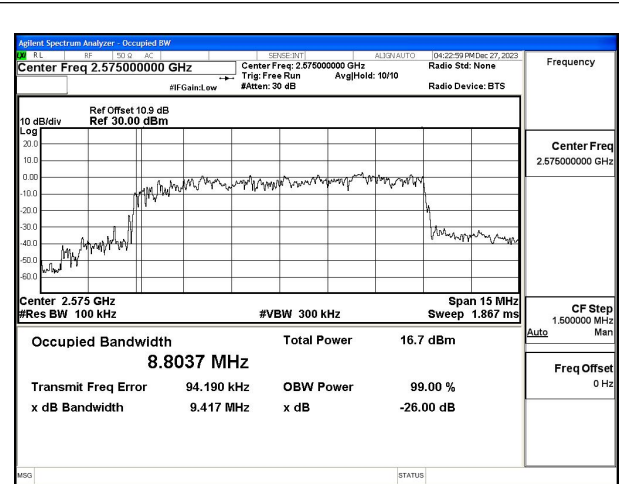


Fig.16

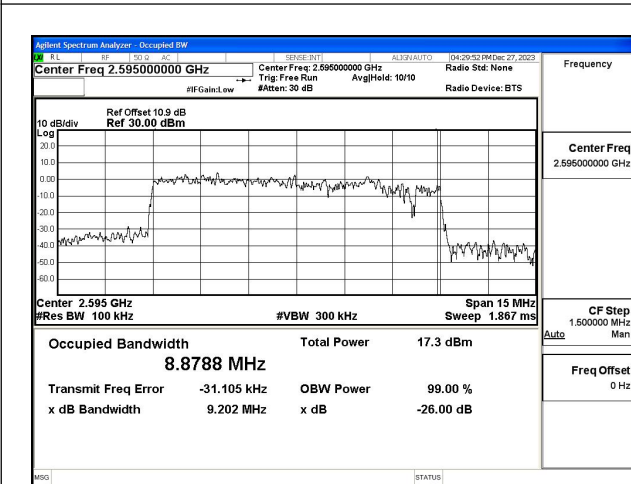


Fig.17

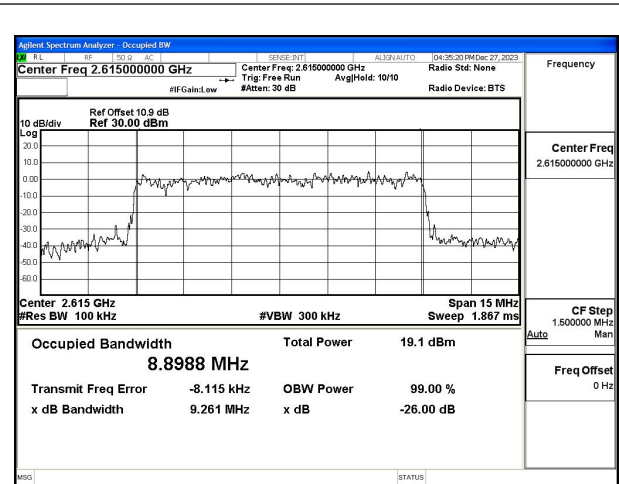


Fig.18

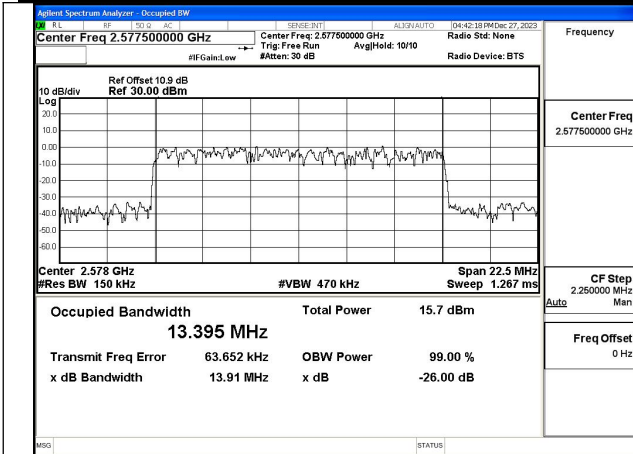


Fig.19

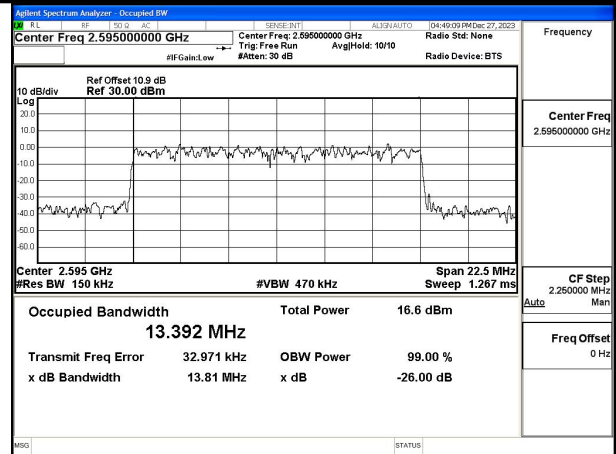


Fig.20

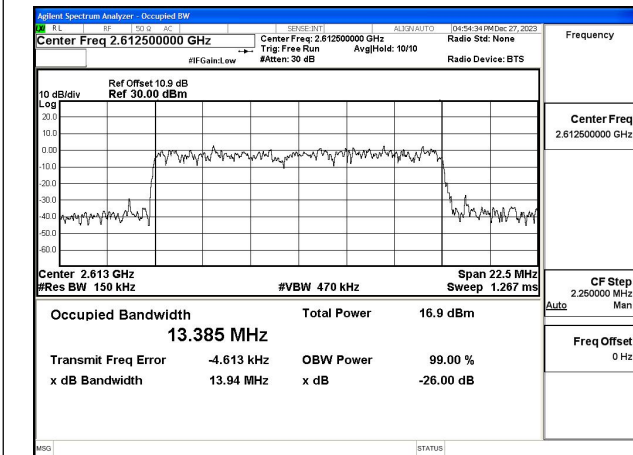


Fig.21

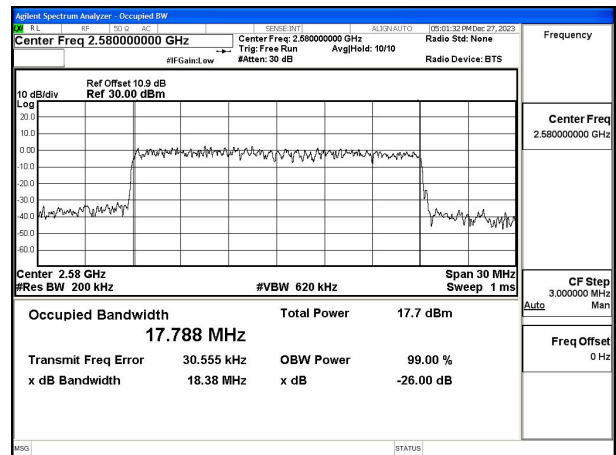


Fig.22

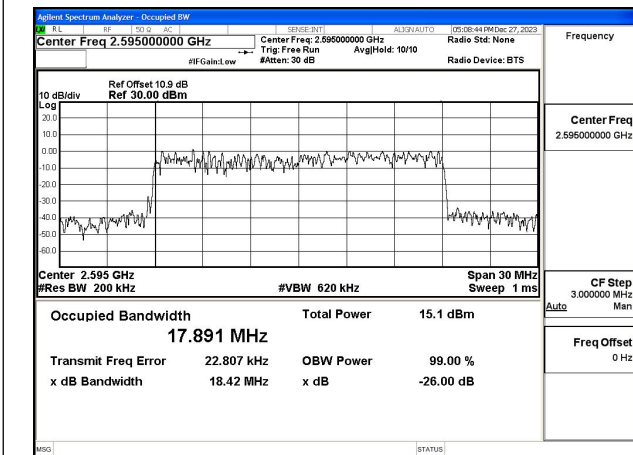


Fig.23

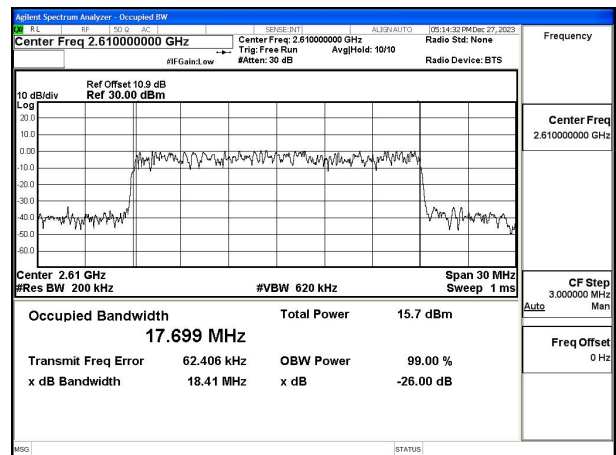


Fig.24

Test Mode: 64QAM

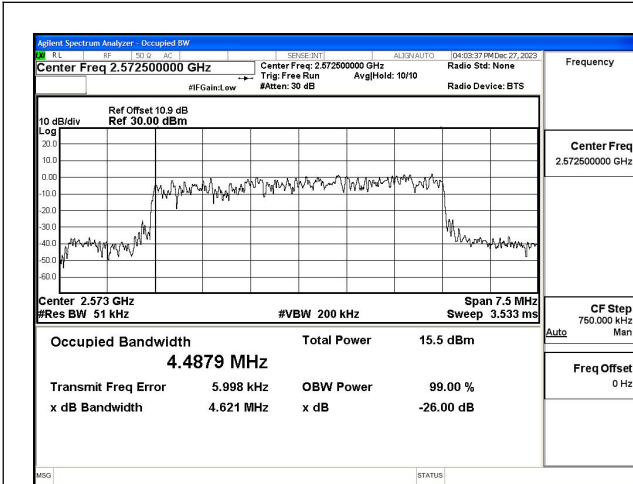


Fig.25

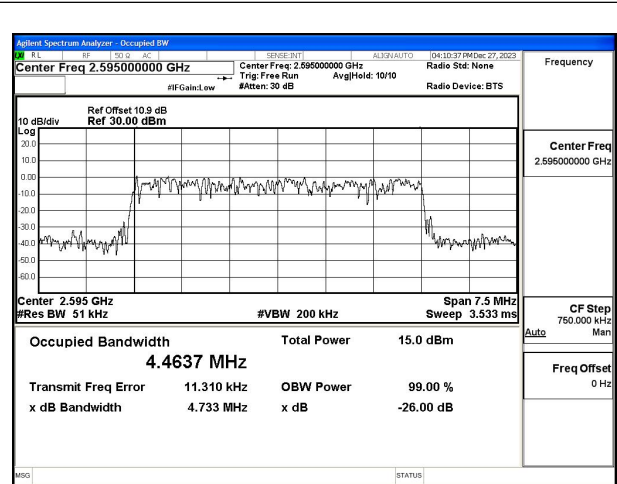


Fig.26

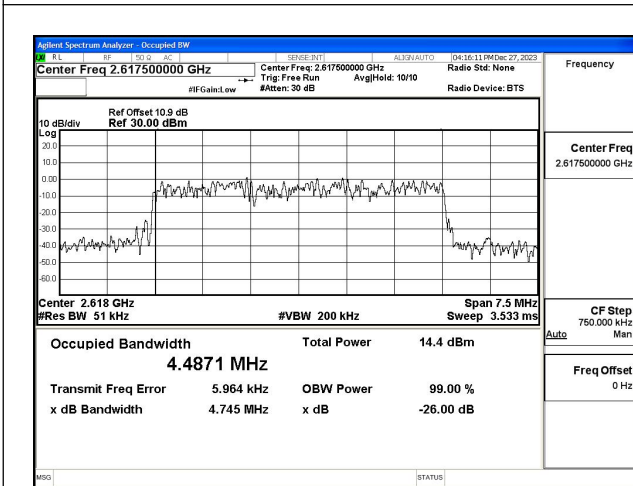


Fig.27

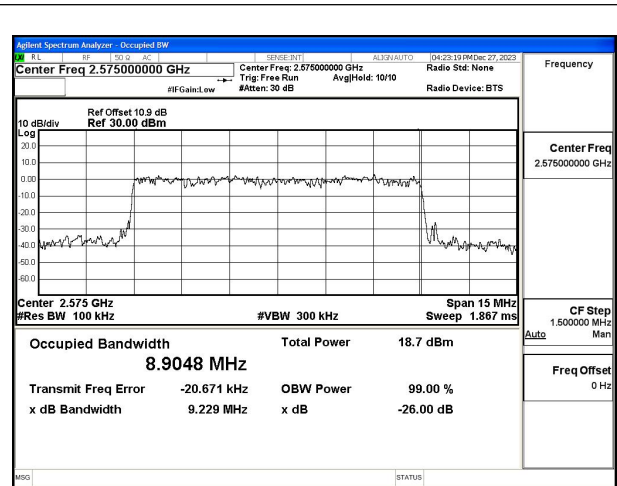


Fig.28

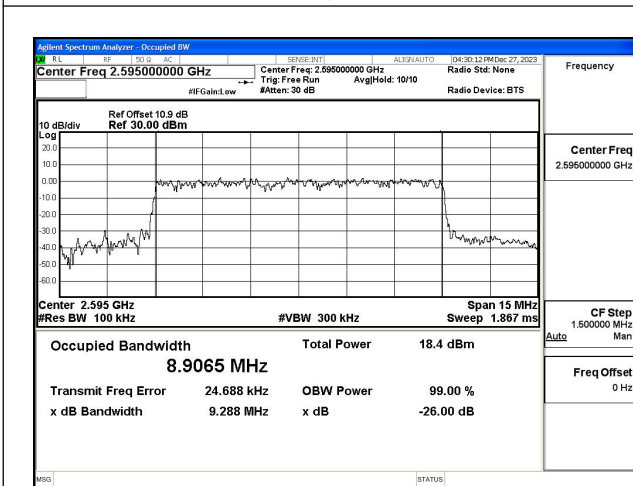


Fig.29

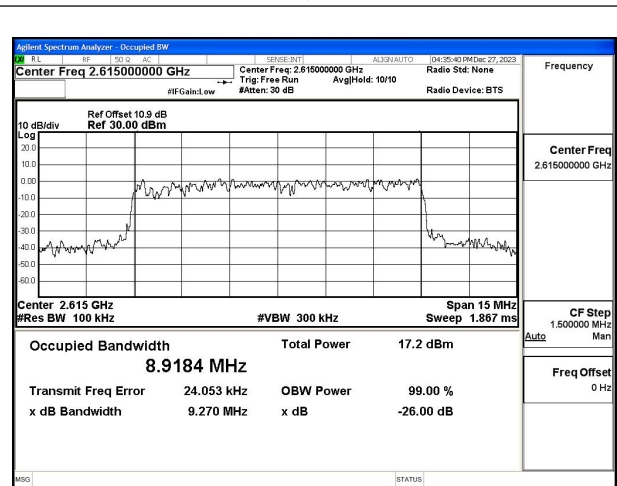


Fig.30

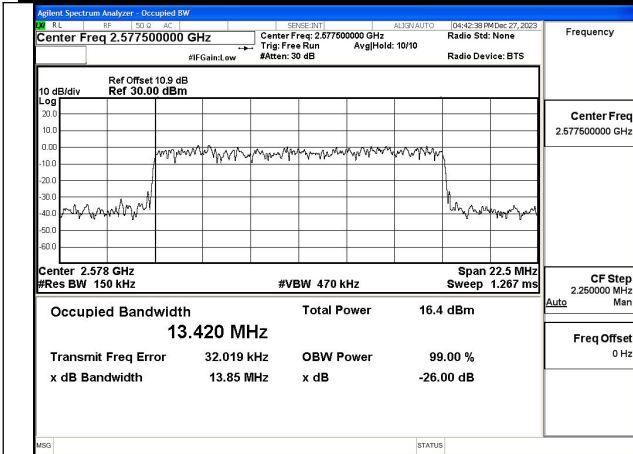


Fig.31

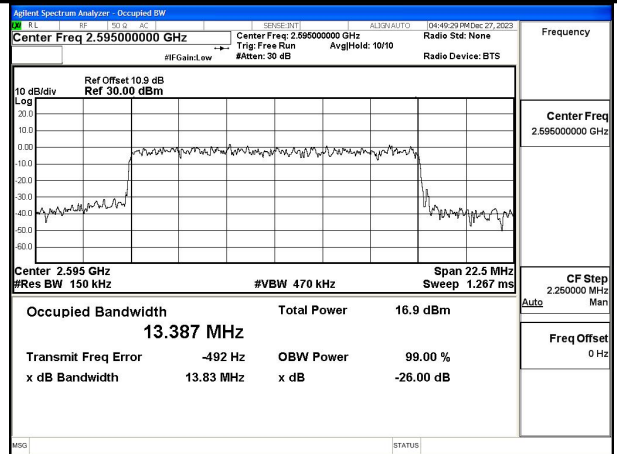


Fig.32

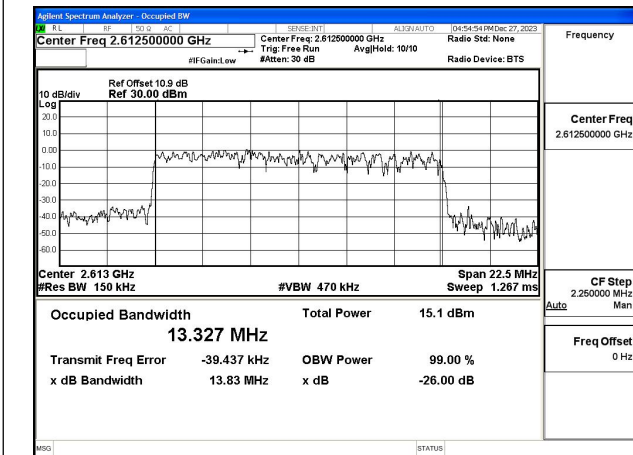


Fig.33

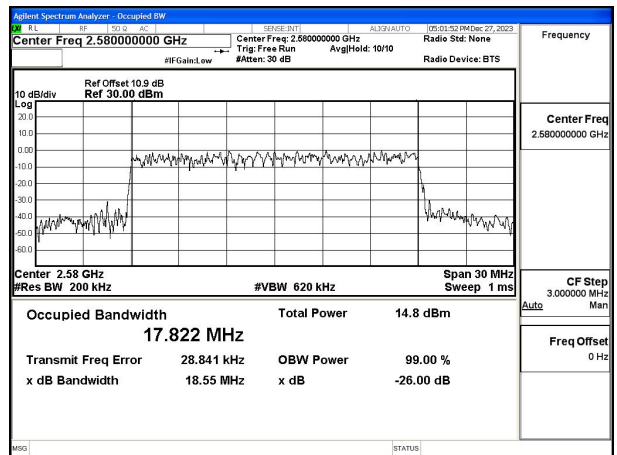


Fig.34

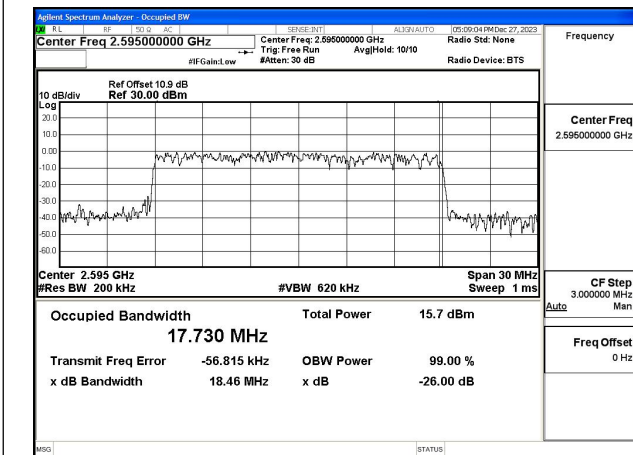


Fig.35

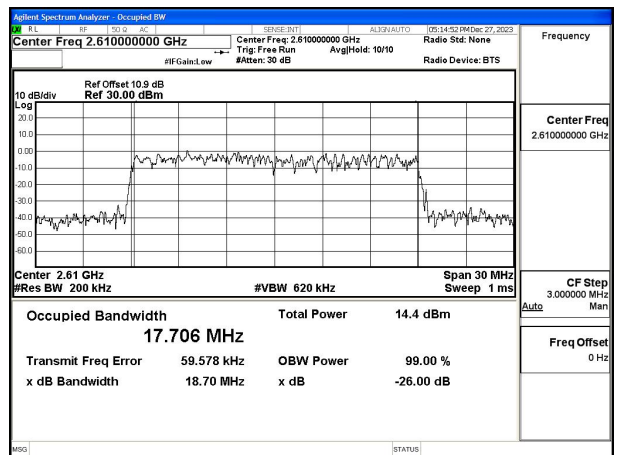


Fig.36

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	4.699	Fig.1
38	QPSK	2595	38000	5	25	0	4.811	Fig.2
38	QPSK	2617.5	38225	5	25	0	4.795	Fig.3
38	QPSK	2575	37800	10	50	0	9.192	Fig.4
38	QPSK	2595	38000	10	50	0	9.275	Fig.5
38	QPSK	2615	38200	10	50	0	9.275	Fig.6
38	QPSK	2577.5	37825	15	75	0	13.893	Fig.7
38	QPSK	2595	38000	15	75	0	13.834	Fig.8
38	QPSK	2612.5	38175	15	75	0	13.859	Fig.9
38	QPSK	2580	37850	20	100	0	18.406	Fig.10
38	QPSK	2595	38000	20	100	0	18.415	Fig.11
38	QPSK	2610	38150	20	100	0	18.420	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	4.694	Fig.13
38	16QAM	2595	38000	5	25	0	4.660	Fig.14
38	16QAM	2617.5	38225	5	25	0	4.768	Fig.15
38	16QAM	2575	37800	10	50	0	9.417	Fig.16
38	16QAM	2595	38000	10	50	0	9.202	Fig.17
38	16QAM	2615	38200	10	50	0	9.261	Fig.18
38	16QAM	2577.5	37825	15	75	0	13.913	Fig.19
38	16QAM	2595	38000	15	75	0	13.814	Fig.20
38	16QAM	2612.5	38175	15	75	0	13.941	Fig.21
38	16QAM	2580	37850	20	100	0	18.384	Fig.22
38	16QAM	2595	38000	20	100	0	18.420	Fig.23
38	16QAM	2610	38150	20	100	0	18.408	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	4.621	Fig.25
38	64QAM	2595	38000	5	25	0	4.733	Fig.26
38	64QAM	2617.5	38225	5	25	0	4.745	Fig.27
38	64QAM	2575	37800	10	50	0	9.229	Fig.28
38	64QAM	2595	38000	10	50	0	9.288	Fig.29
38	64QAM	2615	38200	10	50	0	9.270	Fig.30
38	64QAM	2577.5	37825	15	75	0	13.852	Fig.31
38	64QAM	2595	38000	15	75	0	13.835	Fig.32
38	64QAM	2612.5	38175	15	75	0	13.833	Fig.33
38	64QAM	2580	37850	20	100	0	18.551	Fig.34
38	64QAM	2595	38000	20	100	0	18.456	Fig.35
38	64QAM	2610	38150	20	100	0	18.695	Fig.36

Test Mode: QPSK

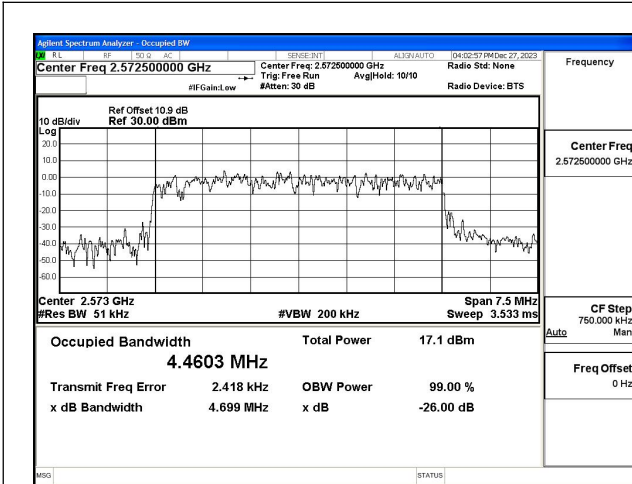


Fig.1

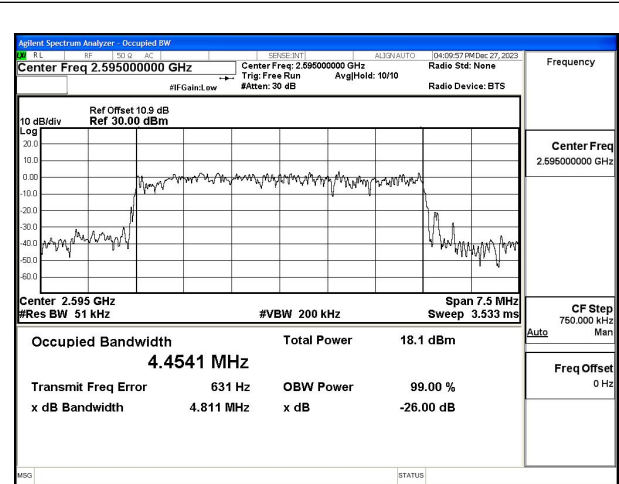


Fig.2

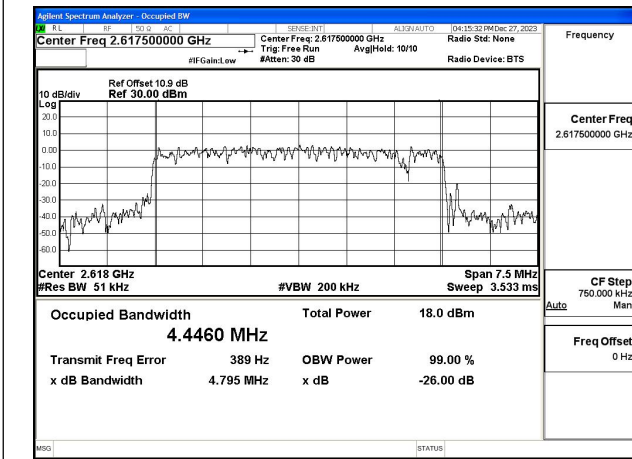


Fig.3

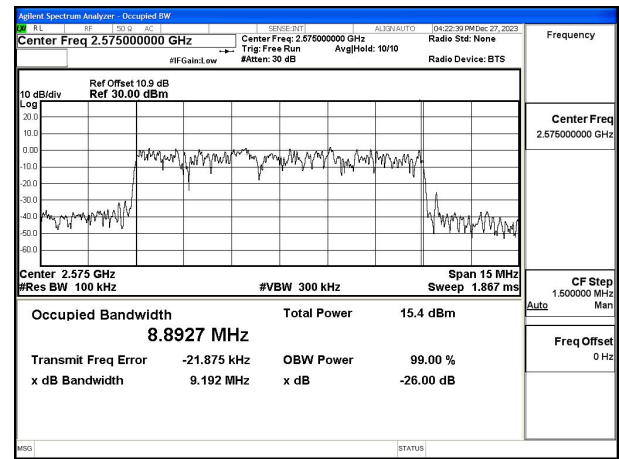


Fig.4

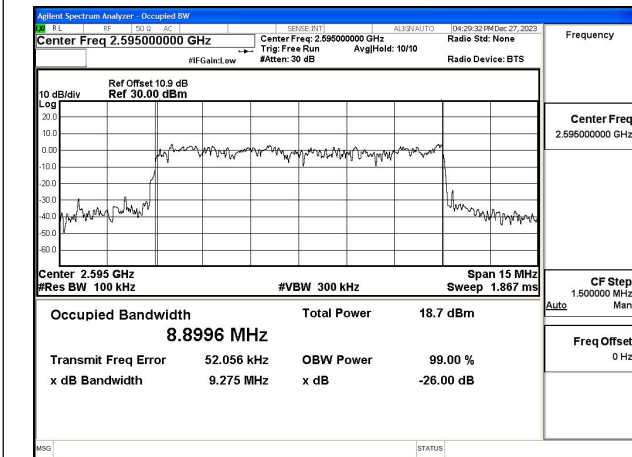


Fig.5

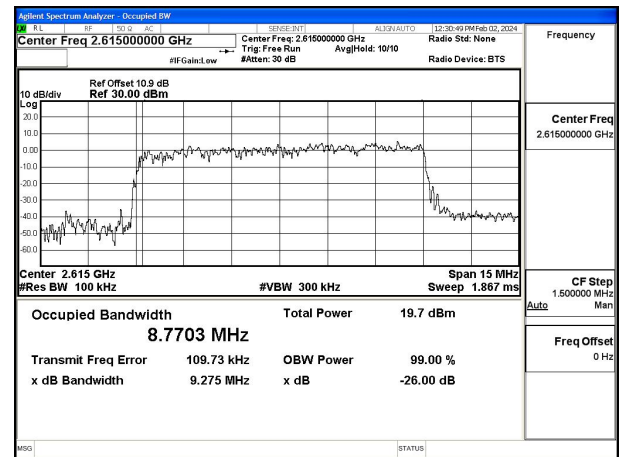


Fig.6