

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	23.10
QPSK	2572.5	37775	5	1	12	23.44
QPSK	2572.5	37775	5	1	24	23.42
QPSK	2572.5	37775	5	12	0	22.38
QPSK	2572.5	37775	5	12	7	22.32
QPSK	2572.5	37775	5	12	13	22.36
QPSK	2572.5	37775	5	25	0	22.39
QPSK	2595	38000	5	1	0	23.69
QPSK	2595	38000	5	1	12	23.65
QPSK	2595	38000	5	1	24	23.58
QPSK	2595	38000	5	12	0	22.13
QPSK	2595	38000	5	12	7	22.15
QPSK	2595	38000	5	12	13	21.96
QPSK	2595	38000	5	25	0	22.03
QPSK	2617.5	38225	5	1	0	23.45
QPSK	2617.5	38225	5	1	12	23.47
QPSK	2617.5	38225	5	1	24	23.59
QPSK	2617.5	38225	5	12	0	21.95
QPSK	2617.5	38225	5	12	7	21.88
QPSK	2617.5	38225	5	12	13	21.89
QPSK	2617.5	38225	5	25	0	21.92

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2572.5	37775	5	1	0	21.93
16QAM	2572.5	37775	5	1	12	21.96
16QAM	2572.5	37775	5	1	24	22.07
16QAM	2572.5	37775	5	12	0	21.42
16QAM	2572.5	37775	5	12	7	21.48
16QAM	2572.5	37775	5	12	13	21.40
16QAM	2572.5	37775	5	25	0	21.44
16QAM	2595	38000	5	1	0	21.73
16QAM	2595	38000	5	1	12	21.75
16QAM	2595	38000	5	1	24	21.83
16QAM	2595	38000	5	12	0	21.18
16QAM	2595	38000	5	12	7	21.23
16QAM	2595	38000	5	12	13	21.23
16QAM	2595	38000	5	25	0	21.14
16QAM	2617.5	38225	5	1	0	21.69
16QAM	2617.5	38225	5	1	12	21.62
16QAM	2617.5	38225	5	1	24	21.62
16QAM	2617.5	38225	5	12	0	21.06
16QAM	2617.5	38225	5	12	7	21.03
16QAM	2617.5	38225	5	12	13	21.05
16QAM	2617.5	38225	5	25	0	21.08
64QAM	2572.5	37775	5	1	0	20.71
64QAM	2572.5	37775	5	1	12	21.08
64QAM	2572.5	37775	5	1	24	20.68
64QAM	2572.5	37775	5	12	0	19.93
64QAM	2572.5	37775	5	12	7	19.92
64QAM	2572.5	37775	5	12	13	19.93
64QAM	2572.5	37775	5	25	0	20.13
64QAM	2595	38000	5	1	0	20.63
64QAM	2595	38000	5	1	12	20.77
64QAM	2595	38000	5	1	24	20.64
64QAM	2595	38000	5	12	0	19.75
64QAM	2595	38000	5	12	7	19.68
64QAM	2595	38000	5	12	13	19.77
64QAM	2595	38000	5	25	0	19.85
64QAM	2617.5	38225	5	1	0	20.34
64QAM	2617.5	38225	5	1	12	20.39
64QAM	2617.5	38225	5	1	24	20.30
64QAM	2617.5	38225	5	12	0	19.39
64QAM	2617.5	38225	5	12	7	19.53
64QAM	2617.5	38225	5	12	13	19.48
64QAM	2617.5	38225	5	25	0	19.67

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2575	37800	10	1	0	23.61
QPSK	2575	37800	10	1	25	23.66
QPSK	2575	37800	10	1	49	23.52
QPSK	2575	37800	10	25	0	22.23
QPSK	2575	37800	10	25	12	22.28
QPSK	2575	37800	10	25	25	22.43
QPSK	2575	37800	10	50	0	22.24
QPSK	2595	38000	10	1	0	23.81
QPSK	2595	38000	10	1	25	23.66
QPSK	2595	38000	10	1	49	23.59
QPSK	2595	38000	10	25	0	22.13
QPSK	2595	38000	10	25	12	22.11
QPSK	2595	38000	10	25	25	22.02
QPSK	2595	38000	10	50	0	22.00
QPSK	2615	38200	10	1	0	23.47
QPSK	2615	38200	10	1	25	23.54
QPSK	2615	38200	10	1	49	23.50
QPSK	2615	38200	10	25	0	22.02
QPSK	2615	38200	10	25	12	22.03
QPSK	2615	38200	10	25	25	22.00
QPSK	2615	38200	10	50	0	21.93

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2575	37800	10	1	0	22.10
16QAM	2575	37800	10	1	25	22.18
16QAM	2575	37800	10	1	49	22.10
16QAM	2575	37800	10	25	0	21.40
16QAM	2575	37800	10	25	12	21.44
16QAM	2575	37800	10	25	25	21.37
16QAM	2575	37800	10	50	0	21.41
16QAM	2595	38000	10	1	0	21.99
16QAM	2595	38000	10	1	25	21.77
16QAM	2595	38000	10	1	49	21.66
16QAM	2595	38000	10	25	0	21.19
16QAM	2595	38000	10	25	12	21.14
16QAM	2595	38000	10	25	25	21.22
16QAM	2595	38000	10	50	0	21.22
16QAM	2615	38200	10	1	0	21.64
16QAM	2615	38200	10	1	25	21.70
16QAM	2615	38200	10	1	49	21.61
16QAM	2615	38200	10	25	0	21.20
16QAM	2615	38200	10	25	12	21.20
16QAM	2615	38200	10	25	25	21.12
16QAM	2615	38200	10	50	0	21.28
64QAM	2575	37800	10	1	0	21.00
64QAM	2575	37800	10	1	25	21.02
64QAM	2575	37800	10	1	49	20.89
64QAM	2575	37800	10	25	0	19.99
64QAM	2575	37800	10	25	12	19.91
64QAM	2575	37800	10	25	25	20.01
64QAM	2575	37800	10	50	0	19.86
64QAM	2595	38000	10	1	0	20.83
64QAM	2595	38000	10	1	25	20.78
64QAM	2595	38000	10	1	49	20.75
64QAM	2595	38000	10	25	0	19.80
64QAM	2595	38000	10	25	12	19.94
64QAM	2595	38000	10	25	25	19.83
64QAM	2595	38000	10	50	0	19.64
64QAM	2615	38200	10	1	0	20.36
64QAM	2615	38200	10	1	25	20.43
64QAM	2615	38200	10	1	49	20.34
64QAM	2615	38200	10	25	0	19.84
64QAM	2615	38200	10	25	12	19.70
64QAM	2615	38200	10	25	25	19.71
64QAM	2615	38200	10	50	0	19.59

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2577.5	37825	15	1	0	23.91
QPSK	2577.5	37825	15	1	37	23.90
QPSK	2577.5	37825	15	1	74	23.80
QPSK	2577.5	37825	15	36	0	22.31
QPSK	2577.5	37825	15	36	29	22.19
QPSK	2577.5	37825	15	36	30	22.20
QPSK	2577.5	37825	15	75	0	22.26
QPSK	2595	38000	15	1	0	23.67
QPSK	2595	38000	15	1	37	23.66
QPSK	2595	38000	15	1	74	23.45
QPSK	2595	38000	15	36	0	22.14
QPSK	2595	38000	15	36	29	22.01
QPSK	2595	38000	15	36	30	22.02
QPSK	2595	38000	15	75	0	22.15
QPSK	2612.5	38175	15	1	0	23.27
QPSK	2612.5	38175	15	1	37	23.34
QPSK	2612.5	38175	15	1	74	23.38
QPSK	2612.5	38175	15	36	0	21.91
QPSK	2612.5	38175	15	36	29	21.88
QPSK	2612.5	38175	15	36	30	21.89
QPSK	2612.5	38175	15	75	0	21.97

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2577.5	37825	15	1	0	22.00
16QAM	2577.5	37825	15	1	37	21.97
16QAM	2577.5	37825	15	1	74	21.92
16QAM	2577.5	37825	15	36	0	21.40
16QAM	2577.5	37825	15	36	29	21.30
16QAM	2577.5	37825	15	36	30	21.30
16QAM	2577.5	37825	15	75	0	21.38
16QAM	2595	38000	15	1	0	21.81
16QAM	2595	38000	15	1	37	21.76
16QAM	2595	38000	15	1	74	21.66
16QAM	2595	38000	15	36	0	21.27
16QAM	2595	38000	15	36	29	21.03
16QAM	2595	38000	15	36	30	21.18
16QAM	2595	38000	15	75	0	21.33
16QAM	2612.5	38175	15	1	0	21.76
16QAM	2612.5	38175	15	1	37	21.74
16QAM	2612.5	38175	15	1	74	21.66
16QAM	2612.5	38175	15	36	0	21.14
16QAM	2612.5	38175	15	36	29	21.18
16QAM	2612.5	38175	15	36	30	20.97
16QAM	2612.5	38175	15	75	0	21.08
64QAM	2577.5	37825	15	1	0	21.06
64QAM	2577.5	37825	15	1	37	20.77
64QAM	2577.5	37825	15	1	74	20.80
64QAM	2577.5	37825	15	36	0	19.89
64QAM	2577.5	37825	15	36	29	19.74
64QAM	2577.5	37825	15	36	30	19.78
64QAM	2577.5	37825	15	75	0	19.89
64QAM	2595	38000	15	1	0	20.84
64QAM	2595	38000	15	1	37	20.78
64QAM	2595	38000	15	1	74	20.54
64QAM	2595	38000	15	36	0	19.80
64QAM	2595	38000	15	36	29	19.63
64QAM	2595	38000	15	36	30	19.63
64QAM	2595	38000	15	75	0	19.66
64QAM	2612.5	38175	15	1	0	20.46
64QAM	2612.5	38175	15	1	37	20.55
64QAM	2612.5	38175	15	1	74	20.37
64QAM	2612.5	38175	15	36	0	19.60
64QAM	2612.5	38175	15	36	29	19.67
64QAM	2612.5	38175	15	36	30	19.67
64QAM	2612.5	38175	15	75	0	19.54

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2580	37850	20	1	0	23.91
QPSK	2580	37850	20	1	49	23.85
QPSK	2580	37850	20	1	99	23.66
QPSK	2580	37850	20	50	0	22.34
QPSK	2580	37850	20	50	24	22.33
QPSK	2580	37850	20	50	50	22.19
QPSK	2580	37850	20	100	0	22.23
QPSK	2595	38000	20	1	0	23.75
QPSK	2595	38000	20	1	49	23.66
QPSK	2595	38000	20	1	99	23.48
QPSK	2595	38000	20	50	0	22.21
QPSK	2595	38000	20	50	24	22.08
QPSK	2595	38000	20	50	50	22.03
QPSK	2595	38000	20	100	0	22.04
QPSK	2610	38150	20	1	0	23.36
QPSK	2610	38150	20	1	49	23.37
QPSK	2610	38150	20	1	99	23.35
QPSK	2610	38150	20	50	0	21.92
QPSK	2610	38150	20	50	24	22.00
QPSK	2610	38150	20	50	50	22.02
QPSK	2610	38150	20	100	0	21.97

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2580	37850	20	1	0	22.07
16QAM	2580	37850	20	1	49	22.07
16QAM	2580	37850	20	1	99	21.88
16QAM	2580	37850	20	50	0	21.49
16QAM	2580	37850	20	50	24	21.49
16QAM	2580	37850	20	50	50	21.34
16QAM	2580	37850	20	100	0	21.38
16QAM	2595	38000	20	1	0	21.92
16QAM	2595	38000	20	1	49	21.92
16QAM	2595	38000	20	1	99	21.71
16QAM	2595	38000	20	50	0	21.25
16QAM	2595	38000	20	50	24	21.16
16QAM	2595	38000	20	50	50	21.19
16QAM	2595	38000	20	100	0	21.19
16QAM	2610	38150	20	1	0	21.65
16QAM	2610	38150	20	1	49	21.79
16QAM	2610	38150	20	1	99	21.72
16QAM	2610	38150	20	50	0	21.21
16QAM	2610	38150	20	50	24	21.14
16QAM	2610	38150	20	50	50	21.02
16QAM	2610	38150	20	100	0	21.05
64QAM	2580	37850	20	1	0	20.99
64QAM	2580	37850	20	1	49	20.91
64QAM	2580	37850	20	1	99	20.70
64QAM	2580	37850	20	50	0	19.80
64QAM	2580	37850	20	50	24	19.73
64QAM	2580	37850	20	50	50	19.78
64QAM	2580	37850	20	100	0	19.72
64QAM	2595	38000	20	1	0	20.88
64QAM	2595	38000	20	1	49	20.77
64QAM	2595	38000	20	1	99	20.60
64QAM	2595	38000	20	50	0	19.65
64QAM	2595	38000	20	50	24	19.60
64QAM	2595	38000	20	50	50	19.58
64QAM	2595	38000	20	100	0	19.57
64QAM	2610	38150	20	1	0	20.53
64QAM	2610	38150	20	1	49	20.57
64QAM	2610	38150	20	1	99	20.78
64QAM	2610	38150	20	50	0	19.63
64QAM	2610	38150	20	50	24	19.53
64QAM	2610	38150	20	50	50	19.72
64QAM	2610	38150	20	100	0	19.66

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	4.480	Fig.1
38	QPSK	2595	38000	5	25	0	4.460	Fig.2
38	QPSK	2617.5	38225	5	25	0	4.450	Fig.3
38	QPSK	2575	37800	10	50	0	8.890	Fig.4
38	QPSK	2595	38000	10	50	0	8.920	Fig.5
38	QPSK	2615	38200	10	50	0	8.880	Fig.6
38	QPSK	2577.5	37825	15	75	0	13.330	Fig.7
38	QPSK	2595	38000	15	75	0	13.330	Fig.8
38	QPSK	2612.5	38175	15	75	0	13.370	Fig.9
38	QPSK	2580	37850	20	100	0	17.860	Fig.10
38	QPSK	2595	38000	20	100	0	17.850	Fig.11
38	QPSK	2610	38150	20	100	0	17.820	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	4.470	Fig.13
38	16QAM	2595	38000	5	25	0	4.430	Fig.14
38	16QAM	2617.5	38225	5	25	0	4.450	Fig.15
38	16QAM	2575	37800	10	50	0	8.940	Fig.16
38	16QAM	2595	38000	10	50	0	8.880	Fig.17
38	16QAM	2615	38200	10	50	0	8.920	Fig.18
38	16QAM	2577.5	37825	15	75	0	13.380	Fig.19
38	16QAM	2595	38000	15	75	0	13.370	Fig.20
38	16QAM	2612.5	38175	15	75	0	13.350	Fig.21
38	16QAM	2580	37850	20	100	0	17.830	Fig.22
38	16QAM	2595	38000	20	100	0	17.800	Fig.23
38	16QAM	2610	38150	20	100	0	17.840	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	4.460	Fig.25
38	64QAM	2595	38000	5	25	0	4.410	Fig.26
38	64QAM	2617.5	38225	5	25	0	4.470	Fig.27
38	64QAM	2575	37800	10	50	0	8.920	Fig.28
38	64QAM	2595	38000	10	50	0	8.930	Fig.29
38	64QAM	2615	38200	10	50	0	8.930	Fig.30
38	64QAM	2577.5	37825	15	75	0	13.350	Fig.31
38	64QAM	2595	38000	15	75	0	13.370	Fig.32
38	64QAM	2612.5	38175	15	75	0	13.380	Fig.33
38	64QAM	2580	37850	20	100	0	17.760	Fig.34
38	64QAM	2595	38000	20	100	0	17.840	Fig.35
38	64QAM	2610	38150	20	100	0	17.830	Fig.36

Test Mode: QPSK

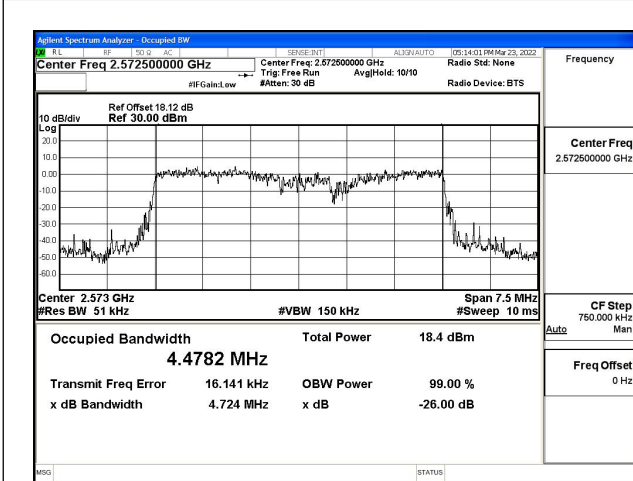


Fig.1

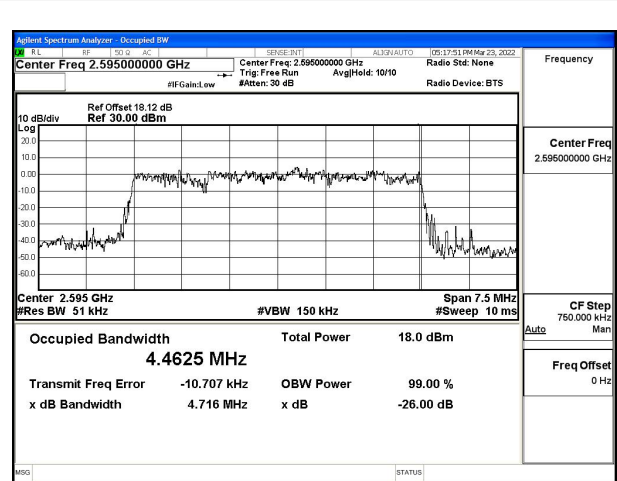


Fig.2

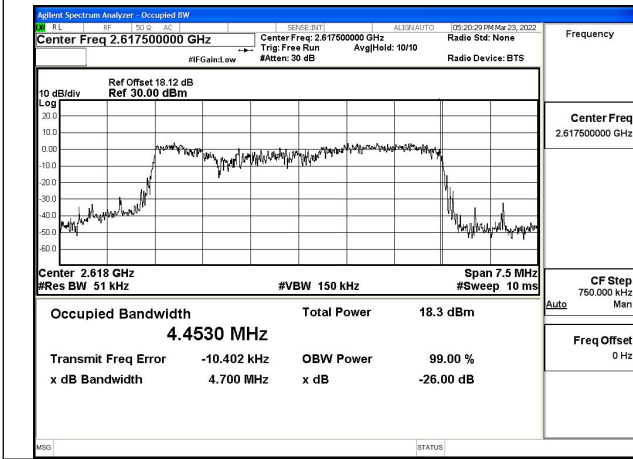


Fig.3

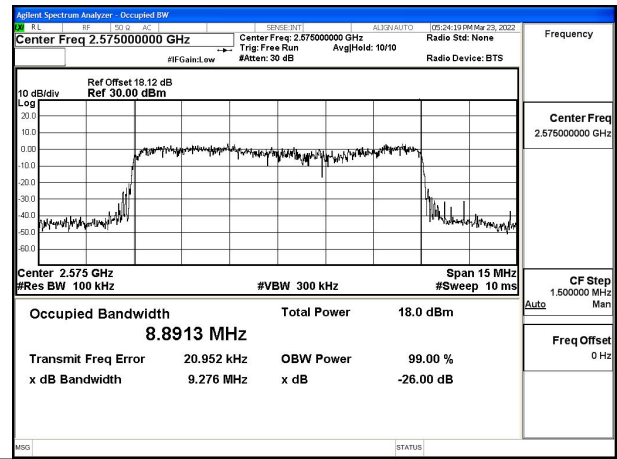


Fig.4

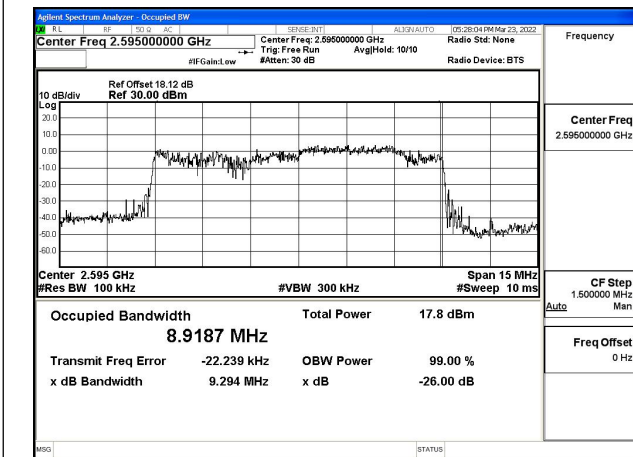


Fig.5

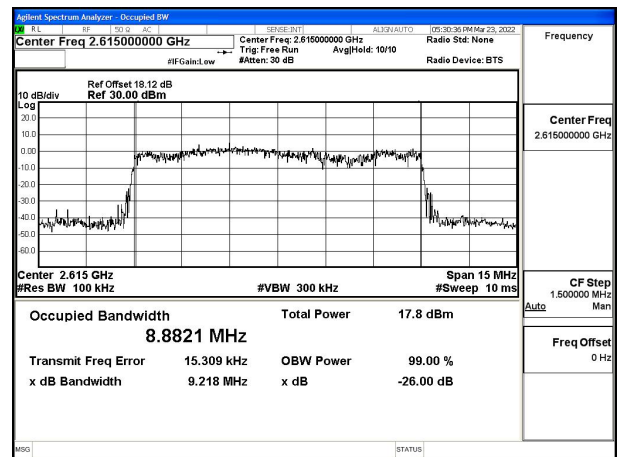


Fig.6

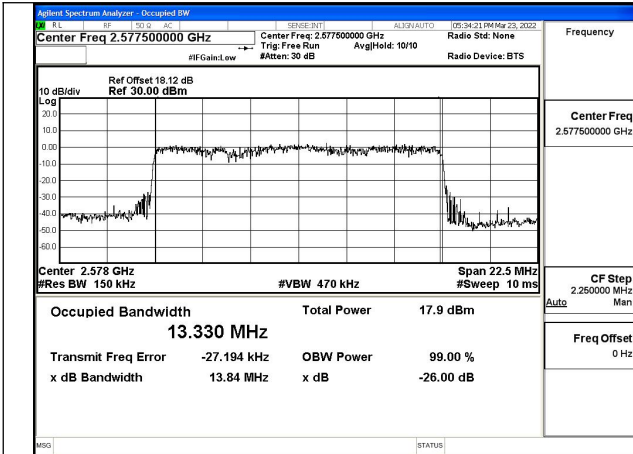


Fig.7

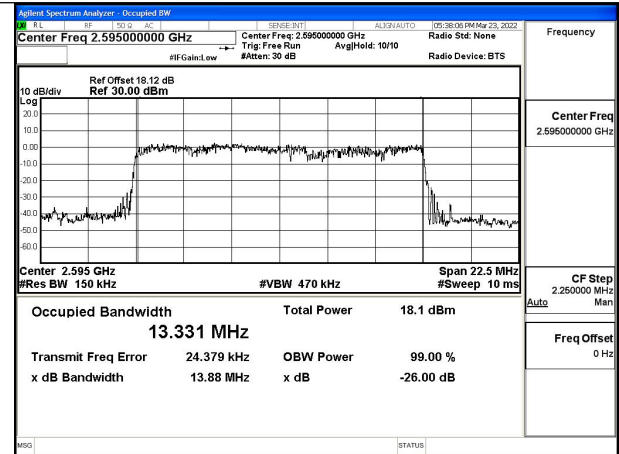


Fig.8

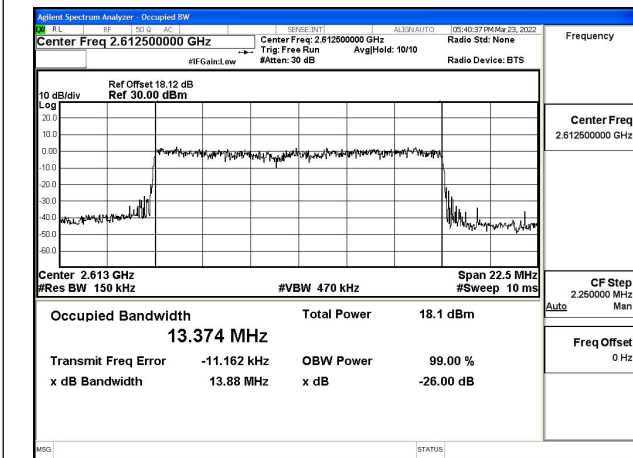


Fig.9

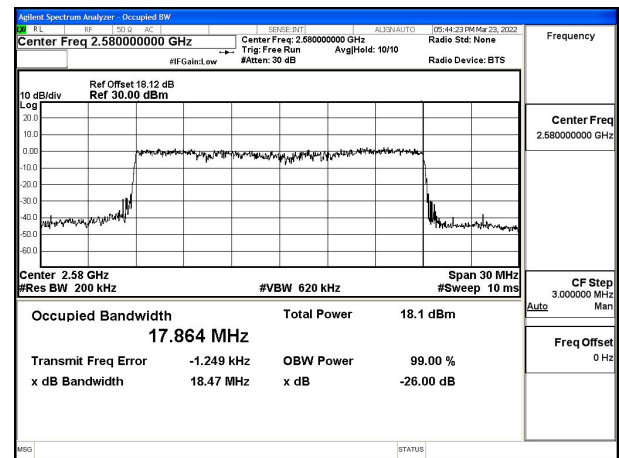


Fig.10

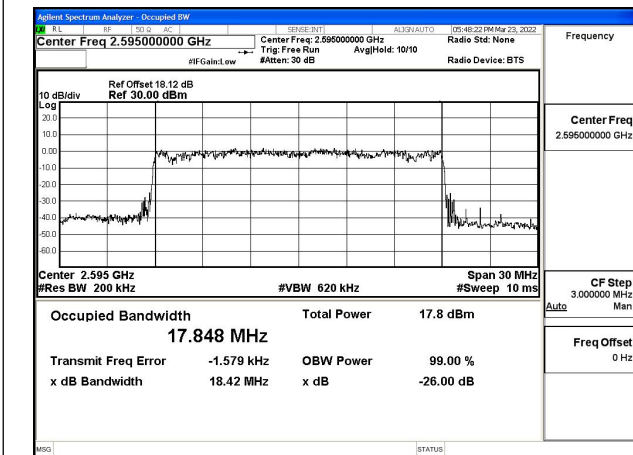


Fig.11

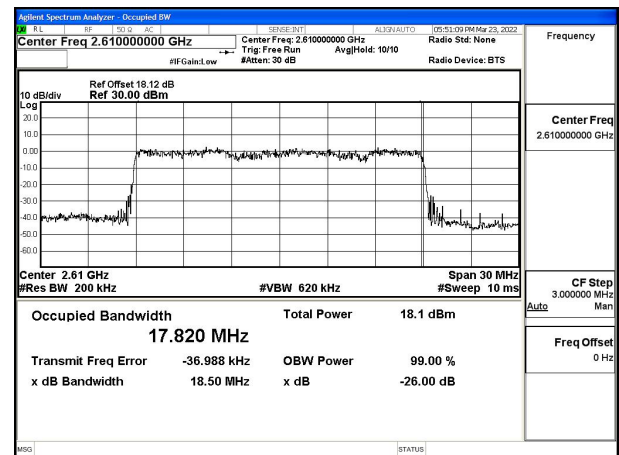


Fig.12

Test Mode: 16QAM

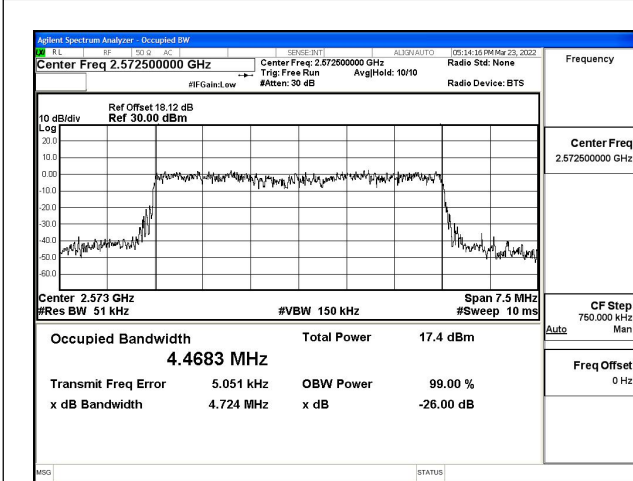


Fig.13

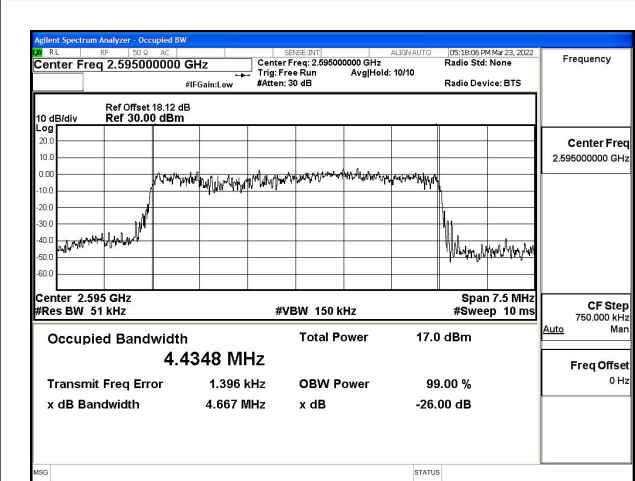


Fig.14

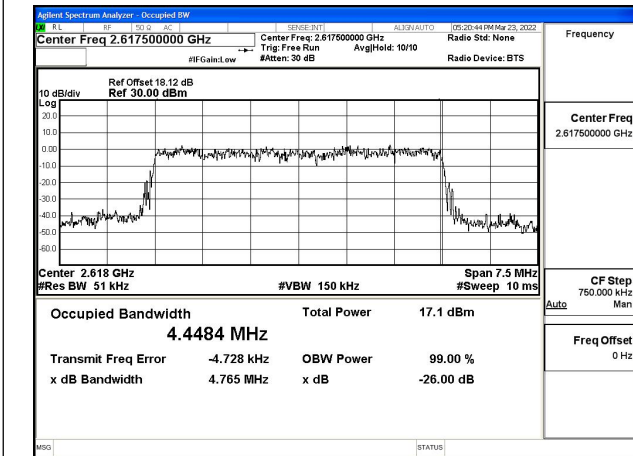


Fig.15

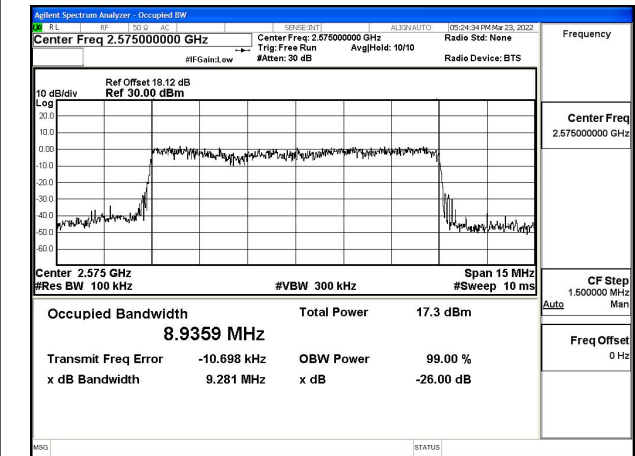


Fig.16

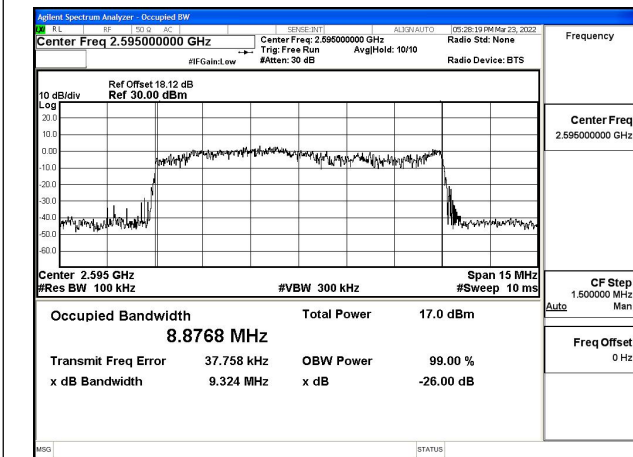


Fig.17

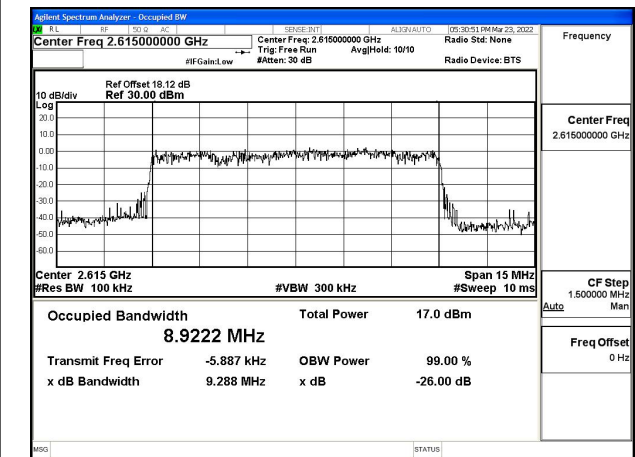


Fig.18

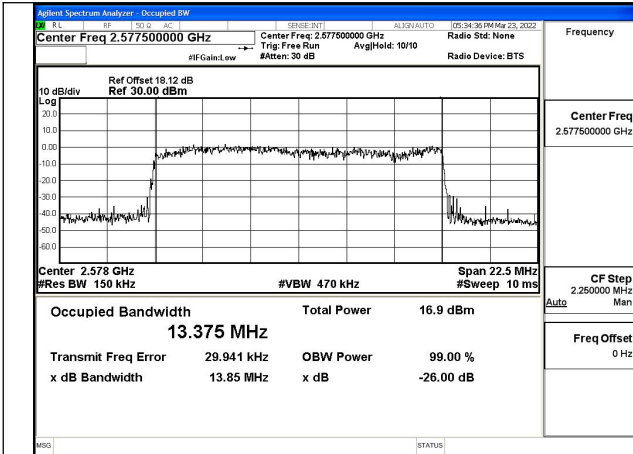


Fig.19

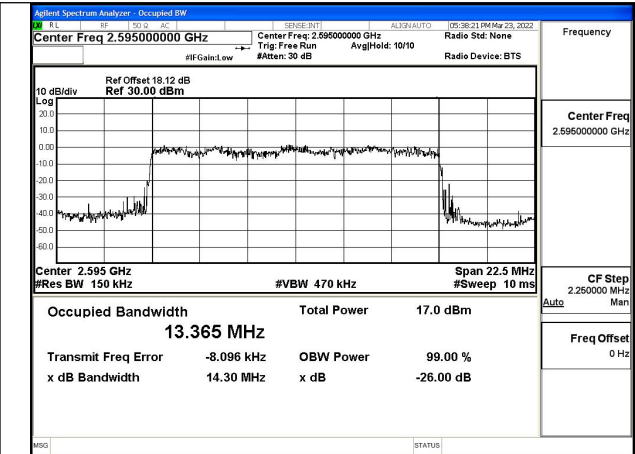


Fig.20

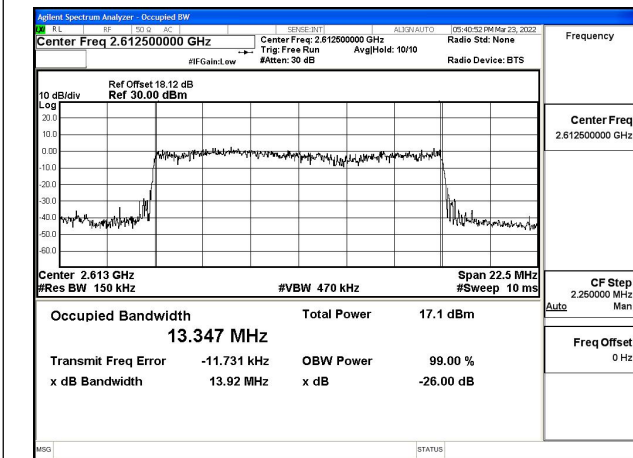


Fig.21

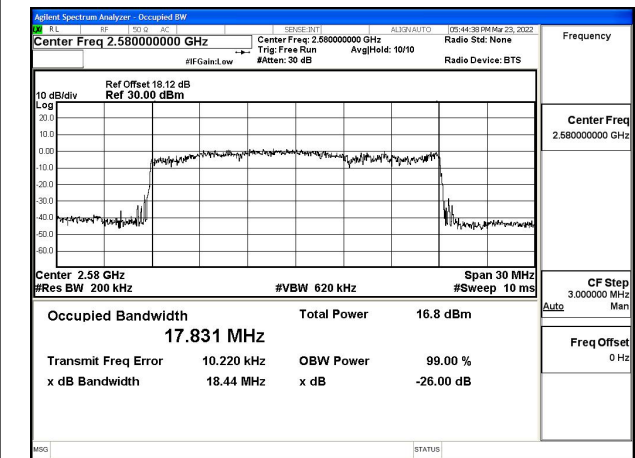


Fig.22

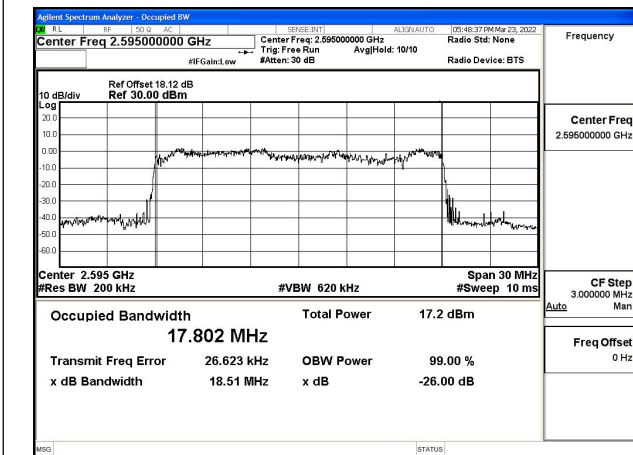


Fig.23

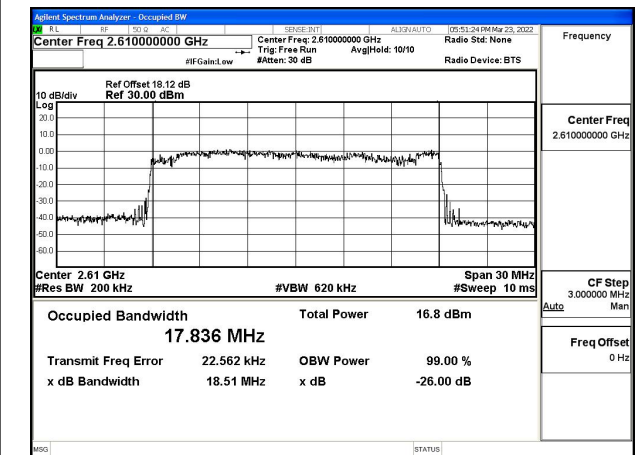


Fig.24

Test Mode: 64QAM

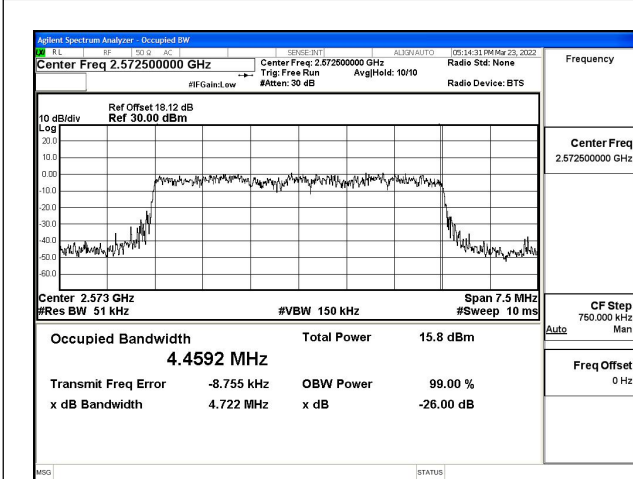


Fig.25

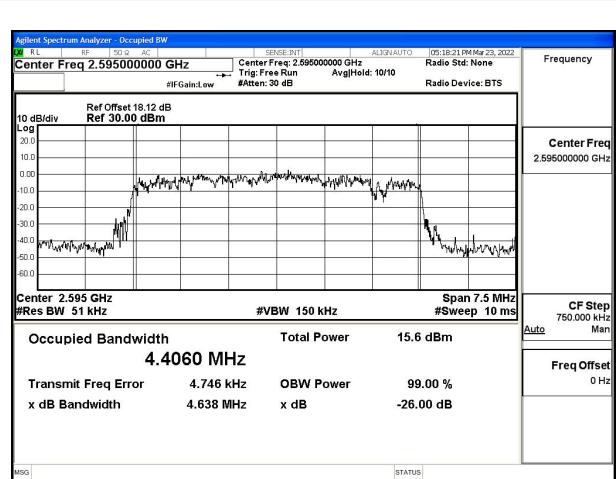


Fig.26

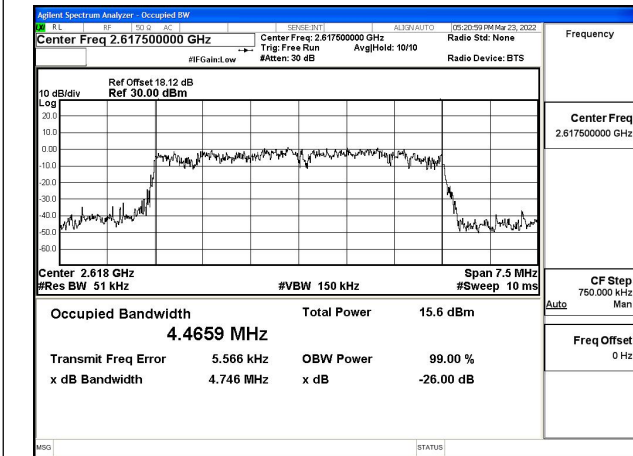


Fig.27

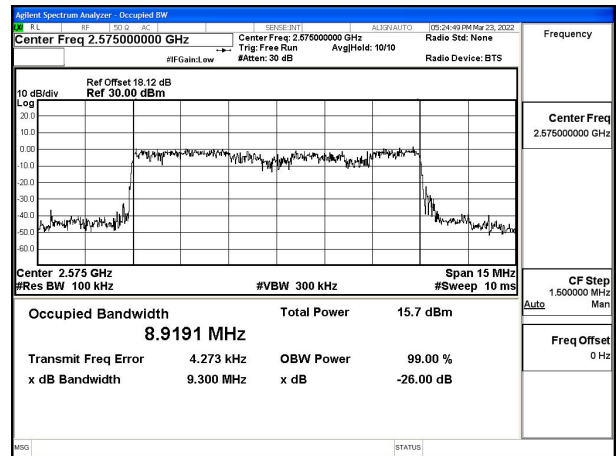


Fig.28

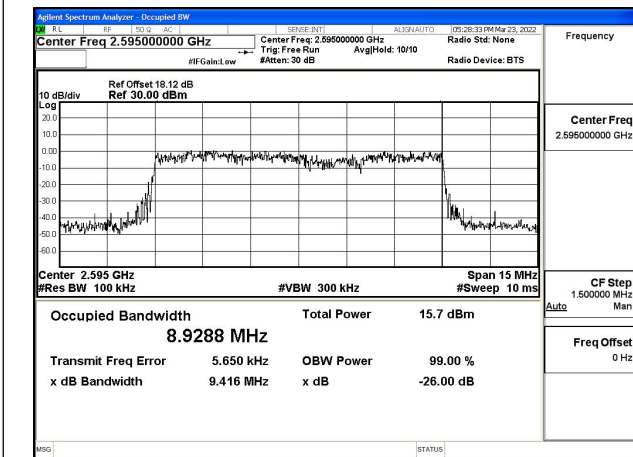


Fig.29

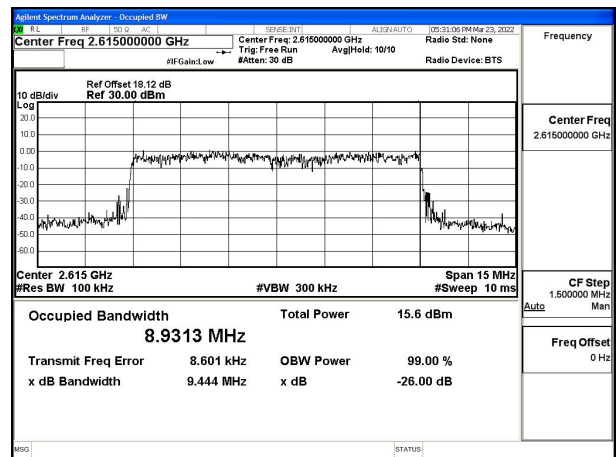


Fig.30

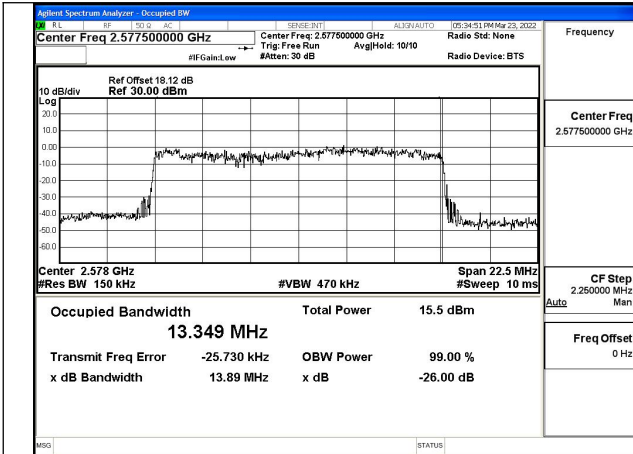


Fig.31

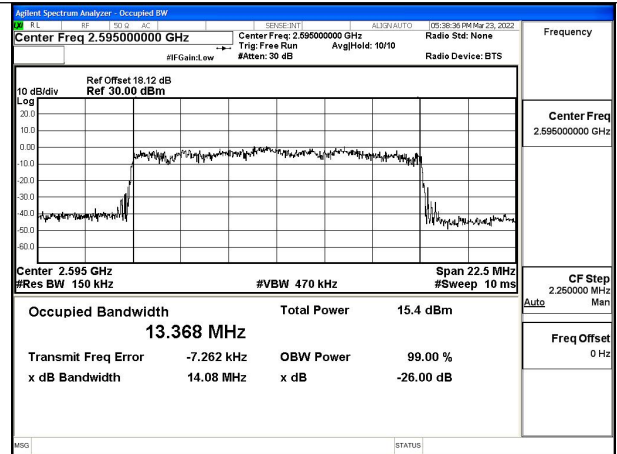


Fig.32

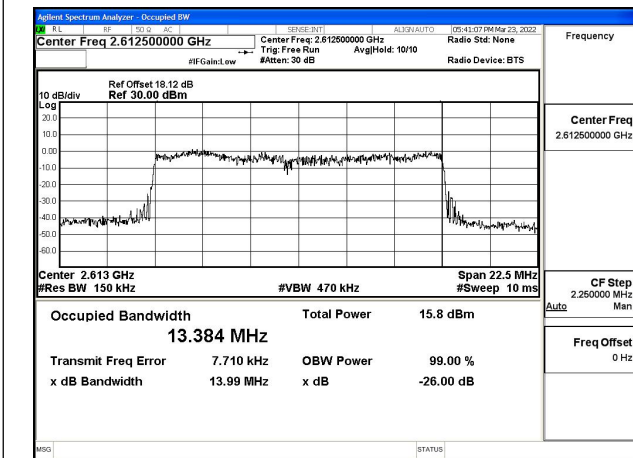


Fig.33

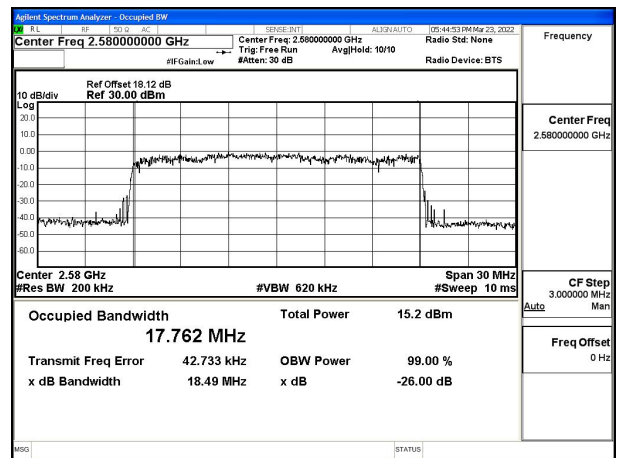


Fig.34

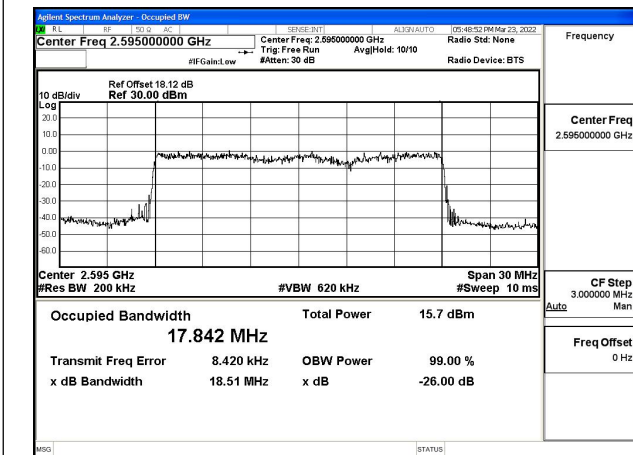


Fig.35

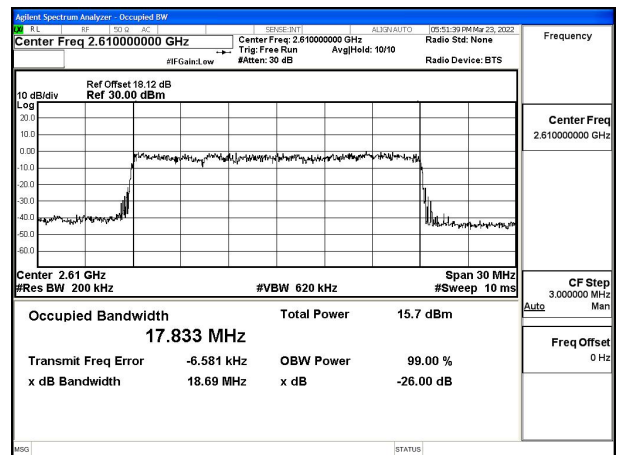


Fig.36

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	4.720	Fig.1
38	QPSK	2595	38000	5	25	0	4.720	Fig.2
38	QPSK	2617.5	38225	5	25	0	4.700	Fig.3
38	QPSK	2575	37800	10	50	0	9.280	Fig.4
38	QPSK	2595	38000	10	50	0	9.290	Fig.5
38	QPSK	2615	38200	10	50	0	9.220	Fig.6
38	QPSK	2577.5	37825	15	75	0	13.840	Fig.7
38	QPSK	2595	38000	15	75	0	13.880	Fig.8
38	QPSK	2612.5	38175	15	75	0	13.880	Fig.9
38	QPSK	2580	37850	20	100	0	18.470	Fig.10
38	QPSK	2595	38000	20	100	0	18.420	Fig.11
38	QPSK	2610	38150	20	100	0	18.500	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	4.720	Fig.13
38	16QAM	2595	38000	5	25	0	4.670	Fig.14
38	16QAM	2617.5	38225	5	25	0	4.770	Fig.15
38	16QAM	2575	37800	10	50	0	9.280	Fig.16
38	16QAM	2595	38000	10	50	0	9.320	Fig.17
38	16QAM	2615	38200	10	50	0	9.290	Fig.18
38	16QAM	2577.5	37825	15	75	0	13.850	Fig.19
38	16QAM	2595	38000	15	75	0	14.300	Fig.20
38	16QAM	2612.5	38175	15	75	0	13.920	Fig.21
38	16QAM	2580	37850	20	100	0	18.440	Fig.22
38	16QAM	2595	38000	20	100	0	18.510	Fig.23
38	16QAM	2610	38150	20	100	0	18.510	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	4.720	Fig.25
38	64QAM	2595	38000	5	25	0	4.640	Fig.26
38	64QAM	2617.5	38225	5	25	0	4.750	Fig.27
38	64QAM	2575	37800	10	50	0	9.300	Fig.28
38	64QAM	2595	38000	10	50	0	9.420	Fig.29
38	64QAM	2615	38200	10	50	0	9.440	Fig.30
38	64QAM	2577.5	37825	15	75	0	13.890	Fig.31
38	64QAM	2595	38000	15	75	0	14.080	Fig.32
38	64QAM	2612.5	38175	15	75	0	13.990	Fig.33
38	64QAM	2580	37850	20	100	0	18.490	Fig.34
38	64QAM	2595	38000	20	100	0	18.510	Fig.35
38	64QAM	2610	38150	20	100	0	18.690	Fig.36

Test Mode: QPSK

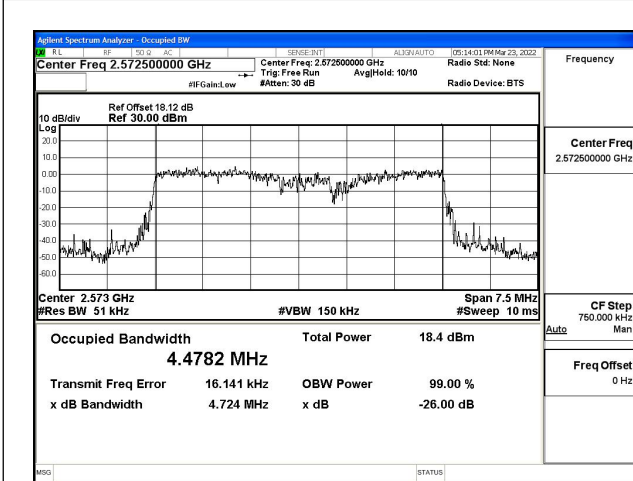


Fig.1

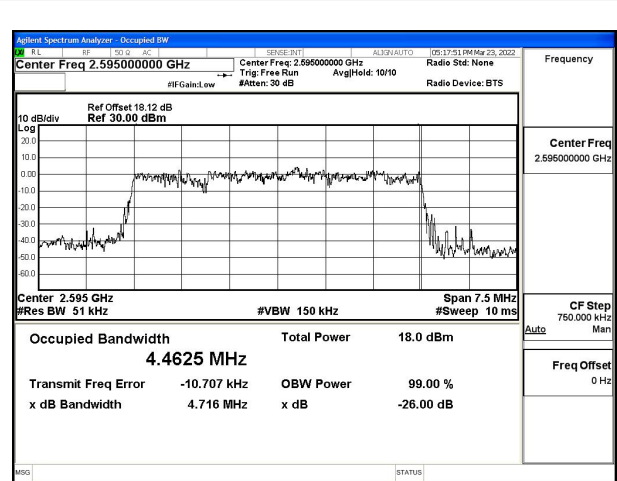


Fig.2

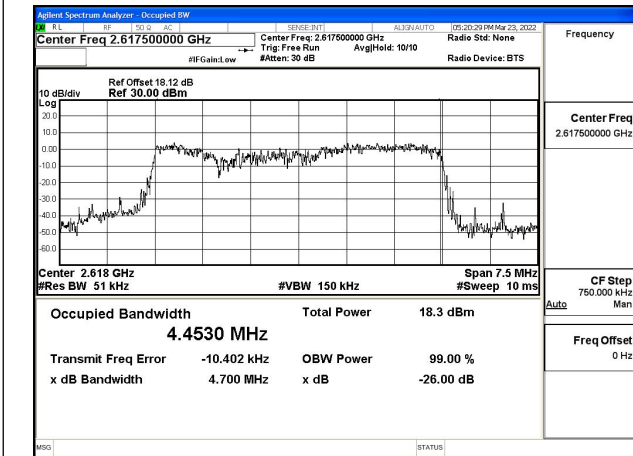


Fig.3

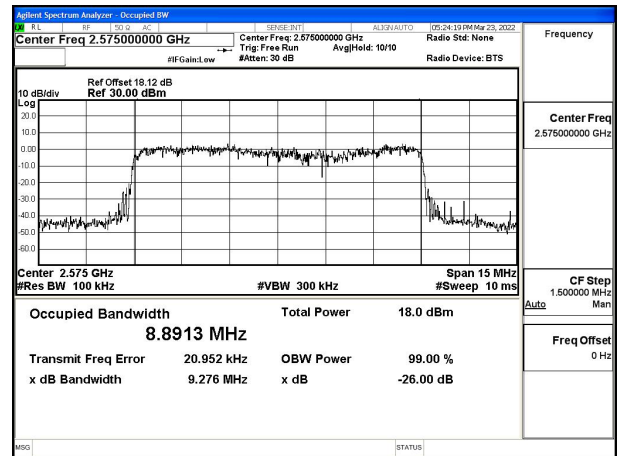


Fig.4

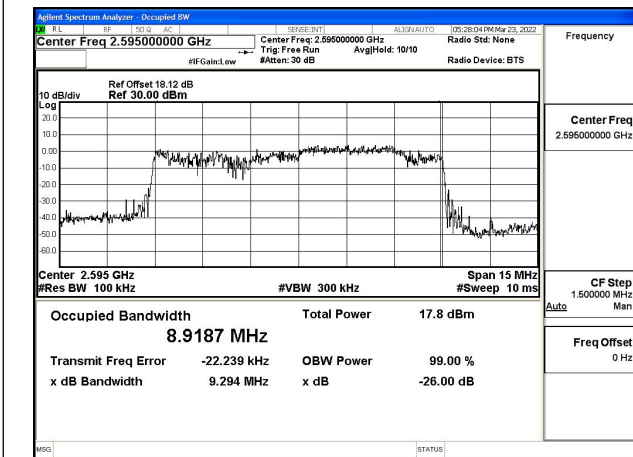


Fig.5

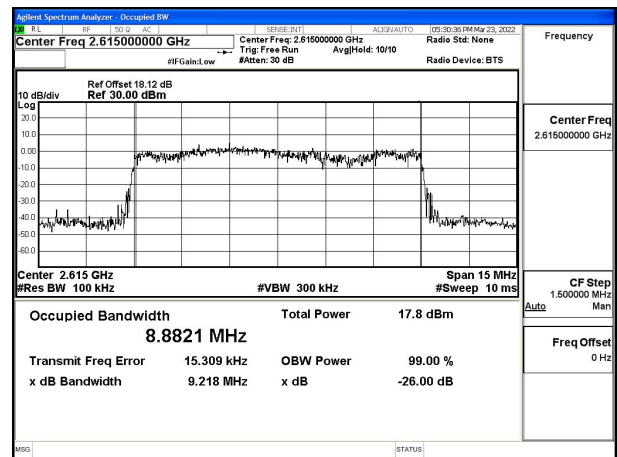


Fig.6