

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	25.74
QPSK	2572.5	37775	5	1	12	24.79
QPSK	2572.5	37775	5	1	24	24.71
QPSK	2572.5	37775	5	12	0	23.81
QPSK	2572.5	37775	5	12	7	23.97
QPSK	2572.5	37775	5	12	13	23.95
QPSK	2572.5	37775	5	25	0	23.94
QPSK	2595	38000	5	1	0	25.53
QPSK	2595	38000	5	1	12	25.34
QPSK	2595	38000	5	1	24	25.31
QPSK	2595	38000	5	12	0	23.81
QPSK	2595	38000	5	12	7	23.91
QPSK	2595	38000	5	12	13	23.85
QPSK	2595	38000	5	25	0	23.92
QPSK	2617.5	38225	5	1	0	25.13
QPSK	2617.5	38225	5	1	12	25.07
QPSK	2617.5	38225	5	1	24	25.19
QPSK	2617.5	38225	5	12	0	23.78
QPSK	2617.5	38225	5	12	7	23.91
QPSK	2617.5	38225	5	12	13	23.88
QPSK	2617.5	38225	5	25	0	23.78

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2572.5	37775	5	1	0	23.42
16QAM	2572.5	37775	5	1	12	23.35
16QAM	2572.5	37775	5	1	24	23.37
16QAM	2572.5	37775	5	12	0	22.94
16QAM	2572.5	37775	5	12	7	22.97
16QAM	2572.5	37775	5	12	13	22.93
16QAM	2572.5	37775	5	25	0	23.05
16QAM	2595	38000	5	1	0	23.89
16QAM	2595	38000	5	1	12	23.96
16QAM	2595	38000	5	1	24	23.90
16QAM	2595	38000	5	12	0	22.99
16QAM	2595	38000	5	12	7	23.09
16QAM	2595	38000	5	12	13	23.07
16QAM	2595	38000	5	25	0	23.14
16QAM	2617.5	38225	5	1	0	23.48
16QAM	2617.5	38225	5	1	12	23.31
16QAM	2617.5	38225	5	1	24	23.39
16QAM	2617.5	38225	5	12	0	22.75
16QAM	2617.5	38225	5	12	7	22.88
16QAM	2617.5	38225	5	12	13	22.85
16QAM	2617.5	38225	5	25	0	22.95
64QAM	2572.5	37775	5	1	0	22.62
64QAM	2572.5	37775	5	1	12	22.52
64QAM	2572.5	37775	5	1	24	21.94
64QAM	2572.5	37775	5	12	0	21.65
64QAM	2572.5	37775	5	12	7	21.69
64QAM	2572.5	37775	5	12	13	21.66
64QAM	2572.5	37775	5	25	0	21.83
64QAM	2595	38000	5	1	0	22.65
64QAM	2595	38000	5	1	12	23.08
64QAM	2595	38000	5	1	24	22.48
64QAM	2595	38000	5	12	0	21.42
64QAM	2595	38000	5	12	7	21.37
64QAM	2595	38000	5	12	13	21.36
64QAM	2595	38000	5	25	0	21.66
64QAM	2617.5	38225	5	1	0	22.20
64QAM	2617.5	38225	5	1	12	22.25
64QAM	2617.5	38225	5	1	24	22.26
64QAM	2617.5	38225	5	12	0	21.44
64QAM	2617.5	38225	5	12	7	21.73
64QAM	2617.5	38225	5	12	13	21.69
64QAM	2617.5	38225	5	25	0	21.75

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2575	37800	10	1	0	25.23
QPSK	2575	37800	10	1	25	25.34
QPSK	2575	37800	10	1	49	25.34
QPSK	2575	37800	10	25	0	23.99
QPSK	2575	37800	10	25	12	23.91
QPSK	2575	37800	10	25	25	23.88
QPSK	2575	37800	10	50	0	23.46
QPSK	2595	38000	10	1	0	25.14
QPSK	2595	38000	10	1	25	25.26
QPSK	2595	38000	10	1	49	25.18
QPSK	2595	38000	10	25	0	23.95
QPSK	2595	38000	10	25	12	23.96
QPSK	2595	38000	10	25	25	23.91
QPSK	2595	38000	10	50	0	23.66
QPSK	2615	38200	10	1	0	24.99
QPSK	2615	38200	10	1	25	24.98
QPSK	2615	38200	10	1	49	25.16
QPSK	2615	38200	10	25	0	23.78
QPSK	2615	38200	10	25	12	23.81
QPSK	2615	38200	10	25	25	23.79
QPSK	2615	38200	10	50	0	23.52

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2575	37800	10	1	0	23.45
16QAM	2575	37800	10	1	25	23.44
16QAM	2575	37800	10	1	49	23.48
16QAM	2575	37800	10	25	0	23.01
16QAM	2575	37800	10	25	12	23.01
16QAM	2575	37800	10	25	25	22.96
16QAM	2575	37800	10	50	0	22.56
16QAM	2595	38000	10	1	0	23.92
16QAM	2595	38000	10	1	25	23.92
16QAM	2595	38000	10	1	49	23.88
16QAM	2595	38000	10	25	0	23.22
16QAM	2595	38000	10	25	12	23.22
16QAM	2595	38000	10	25	25	23.10
16QAM	2595	38000	10	50	0	22.58
16QAM	2615	38200	10	1	0	23.34
16QAM	2615	38200	10	1	25	23.44
16QAM	2615	38200	10	1	49	23.44
16QAM	2615	38200	10	25	0	22.99
16QAM	2615	38200	10	25	12	23.00
16QAM	2615	38200	10	25	25	22.93
16QAM	2615	38200	10	50	0	22.67
64QAM	2575	37800	10	1	0	22.56
64QAM	2575	37800	10	1	25	22.45
64QAM	2575	37800	10	1	49	22.51
64QAM	2575	37800	10	25	0	21.76
64QAM	2575	37800	10	25	12	21.74
64QAM	2575	37800	10	25	25	21.75
64QAM	2575	37800	10	50	0	21.16
64QAM	2595	38000	10	1	0	22.52
64QAM	2595	38000	10	1	25	22.56
64QAM	2595	38000	10	1	49	22.82
64QAM	2595	38000	10	25	0	21.76
64QAM	2595	38000	10	25	12	21.61
64QAM	2595	38000	10	25	25	21.54
64QAM	2595	38000	10	50	0	21.31
64QAM	2615	38200	10	1	0	22.20
64QAM	2615	38200	10	1	25	22.22
64QAM	2615	38200	10	1	49	22.24
64QAM	2615	38200	10	25	0	21.64
64QAM	2615	38200	10	25	12	21.67
64QAM	2615	38200	10	25	25	21.74
64QAM	2615	38200	10	50	0	20.99

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2577.5	37825	15	1	0	24.98
QPSK	2577.5	37825	15	1	37	25.16
QPSK	2577.5	37825	15	1	74	25.07
QPSK	2577.5	37825	15	36	0	23.99
QPSK	2577.5	37825	15	36	29	23.96
QPSK	2577.5	37825	15	36	30	23.97
QPSK	2577.5	37825	15	75	0	23.76
QPSK	2595	38000	15	1	0	25.19
QPSK	2595	38000	15	1	37	25.03
QPSK	2595	38000	15	1	74	25.07
QPSK	2595	38000	15	36	0	23.87
QPSK	2595	38000	15	36	29	23.68
QPSK	2595	38000	15	36	30	23.68
QPSK	2595	38000	15	75	0	23.57
QPSK	2612.5	38175	15	1	0	24.92
QPSK	2612.5	38175	15	1	37	24.81
QPSK	2612.5	38175	15	1	74	25.06
QPSK	2612.5	38175	15	36	0	23.88
QPSK	2612.5	38175	15	36	29	23.92
QPSK	2612.5	38175	15	36	30	23.93
QPSK	2612.5	38175	15	75	0	23.52

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2577.5	37825	15	1	0	23.69
16QAM	2577.5	37825	15	1	37	23.55
16QAM	2577.5	37825	15	1	74	23.67
16QAM	2577.5	37825	15	36	0	23.07
16QAM	2577.5	37825	15	36	29	23.01
16QAM	2577.5	37825	15	36	30	23.02
16QAM	2577.5	37825	15	75	0	22.76
16QAM	2595	38000	15	1	0	23.77
16QAM	2595	38000	15	1	37	23.68
16QAM	2595	38000	15	1	74	23.64
16QAM	2595	38000	15	36	0	22.97
16QAM	2595	38000	15	36	29	22.85
16QAM	2595	38000	15	36	30	22.85
16QAM	2595	38000	15	75	0	22.73
16QAM	2612.5	38175	15	1	0	23.65
16QAM	2612.5	38175	15	1	37	23.65
16QAM	2612.5	38175	15	1	74	23.71
16QAM	2612.5	38175	15	36	0	22.85
16QAM	2612.5	38175	15	36	29	23.01
16QAM	2612.5	38175	15	36	30	23.01
16QAM	2612.5	38175	15	75	0	22.64
64QAM	2577.5	37825	15	1	0	22.68
64QAM	2577.5	37825	15	1	37	22.63
64QAM	2577.5	37825	15	1	74	22.66
64QAM	2577.5	37825	15	36	0	21.77
64QAM	2577.5	37825	15	36	29	21.72
64QAM	2577.5	37825	15	36	30	21.73
64QAM	2577.5	37825	15	75	0	21.48
64QAM	2595	38000	15	1	0	22.09
64QAM	2595	38000	15	1	37	22.11
64QAM	2595	38000	15	1	74	22.08
64QAM	2595	38000	15	36	0	21.50
64QAM	2595	38000	15	36	29	21.61
64QAM	2595	38000	15	36	30	21.62
64QAM	2595	38000	15	75	0	21.29
64QAM	2612.5	38175	15	1	0	22.58
64QAM	2612.5	38175	15	1	37	22.41
64QAM	2612.5	38175	15	1	74	22.05
64QAM	2612.5	38175	15	36	0	21.56
64QAM	2612.5	38175	15	36	29	21.71
64QAM	2612.5	38175	15	36	30	21.55
64QAM	2612.5	38175	15	75	0	21.27

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2580	37850	20	1	0	25.19
QPSK	2580	37850	20	1	49	25.15
QPSK	2580	37850	20	1	99	25.03
QPSK	2580	37850	20	50	0	24.10
QPSK	2580	37850	20	50	24	23.96
QPSK	2580	37850	20	50	50	24.00
QPSK	2580	37850	20	100	0	23.72
QPSK	2595	38000	20	1	0	25.37
QPSK	2595	38000	20	1	49	25.17
QPSK	2595	38000	20	1	99	24.89
QPSK	2595	38000	20	50	0	23.87
QPSK	2595	38000	20	50	24	23.92
QPSK	2595	38000	20	50	50	23.77
QPSK	2595	38000	20	100	0	23.58
QPSK	2610	38150	20	1	0	25.11
QPSK	2610	38150	20	1	49	25.02
QPSK	2610	38150	20	1	99	25.06
QPSK	2610	38150	20	50	0	23.72
QPSK	2610	38150	20	50	24	23.80
QPSK	2610	38150	20	50	50	23.86
QPSK	2610	38150	20	100	0	23.37

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2580	37850	20	1	0	23.68
16QAM	2580	37850	20	1	49	23.68
16QAM	2580	37850	20	1	99	23.61
16QAM	2580	37850	20	50	0	23.17
16QAM	2580	37850	20	50	24	23.11
16QAM	2580	37850	20	50	50	23.06
16QAM	2580	37850	20	100	0	22.66
16QAM	2595	38000	20	1	0	23.75
16QAM	2595	38000	20	1	49	23.68
16QAM	2595	38000	20	1	99	23.53
16QAM	2595	38000	20	50	0	22.96
16QAM	2595	38000	20	50	24	23.00
16QAM	2595	38000	20	50	50	22.85
16QAM	2595	38000	20	100	0	22.64
16QAM	2610	38150	20	1	0	23.73
16QAM	2610	38150	20	1	49	23.52
16QAM	2610	38150	20	1	99	23.70
16QAM	2610	38150	20	50	0	22.93
16QAM	2610	38150	20	50	24	22.89
16QAM	2610	38150	20	50	50	23.02
16QAM	2610	38150	20	100	0	22.59
64QAM	2580	37850	20	1	0	22.40
64QAM	2580	37850	20	1	49	22.46
64QAM	2580	37850	20	1	99	22.88
64QAM	2580	37850	20	50	0	21.79
64QAM	2580	37850	20	50	24	21.59
64QAM	2580	37850	20	50	50	21.71
64QAM	2580	37850	20	100	0	21.39
64QAM	2595	38000	20	1	0	22.26
64QAM	2595	38000	20	1	49	22.09
64QAM	2595	38000	20	1	99	22.13
64QAM	2595	38000	20	50	0	21.63
64QAM	2595	38000	20	50	24	21.43
64QAM	2595	38000	20	50	50	21.51
64QAM	2595	38000	20	100	0	21.10
64QAM	2610	38150	20	1	0	22.14
64QAM	2610	38150	20	1	49	21.98
64QAM	2610	38150	20	1	99	22.17
64QAM	2610	38150	20	50	0	21.42
64QAM	2610	38150	20	50	24	21.48
64QAM	2610	38150	20	50	50	21.50
64QAM	2610	38150	20	100	0	20.92

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	4.44	Fig.1
38	QPSK	2595	38000	5	25	0	4.47	Fig.2
38	QPSK	2617.5	38225	5	25	0	4.45	Fig.3
38	QPSK	2575	37800	10	50	0	8.91	Fig.4
38	QPSK	2595	38000	10	50	0	8.93	Fig.5
38	QPSK	2615	38200	10	50	0	8.95	Fig.6
38	QPSK	2577.5	37825	15	75	0	13.40	Fig.7
38	QPSK	2595	38000	15	75	0	13.27	Fig.8
38	QPSK	2612.5	38175	15	75	0	13.29	Fig.9
38	QPSK	2580	37850	20	100	0	17.70	Fig.10
38	QPSK	2595	38000	20	100	0	17.80	Fig.11
38	QPSK	2610	38150	20	100	0	17.80	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	4.45	Fig.13
38	16QAM	2595	38000	5	25	0	4.46	Fig.14
38	16QAM	2617.5	38225	5	25	0	4.44	Fig.15
38	16QAM	2575	37800	10	50	0	8.86	Fig.16
38	16QAM	2595	38000	10	50	0	8.81	Fig.17
38	16QAM	2615	38200	10	50	0	8.93	Fig.18
38	16QAM	2577.5	37825	15	75	0	13.39	Fig.19
38	16QAM	2595	38000	15	75	0	13.42	Fig.20
38	16QAM	2612.5	38175	15	75	0	13.42	Fig.21
38	16QAM	2580	37850	20	100	0	17.85	Fig.22
38	16QAM	2595	38000	20	100	0	17.87	Fig.23
38	16QAM	2610	38150	20	100	0	17.76	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	4.47	Fig.25
38	64QAM	2595	38000	5	25	0	4.44	Fig.26
38	64QAM	2617.5	38225	5	25	0	4.46	Fig.27
38	64QAM	2575	37800	10	50	0	8.85	Fig.28
38	64QAM	2595	38000	10	50	0	8.95	Fig.29
38	64QAM	2615	38200	10	50	0	8.91	Fig.30
38	64QAM	2577.5	37825	15	75	0	13.34	Fig.31
38	64QAM	2595	38000	15	75	0	13.39	Fig.32
38	64QAM	2612.5	38175	15	75	0	13.29	Fig.33
38	64QAM	2580	37850	20	100	0	17.84	Fig.34
38	64QAM	2595	38000	20	100	0	17.84	Fig.35
38	64QAM	2610	38150	20	100	0	17.80	Fig.36

Test Mode: QPSK

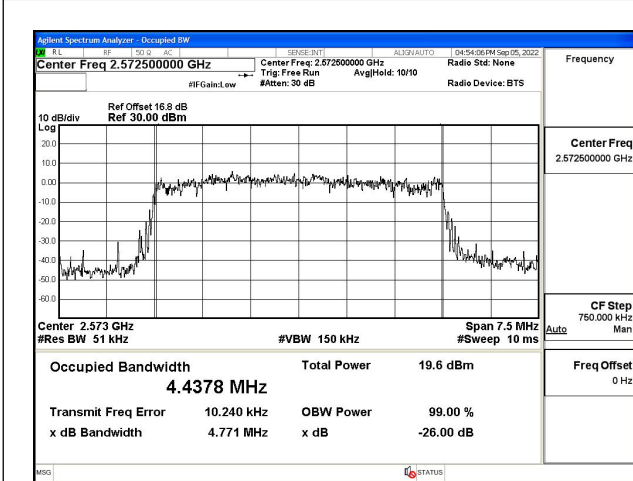


Fig.1

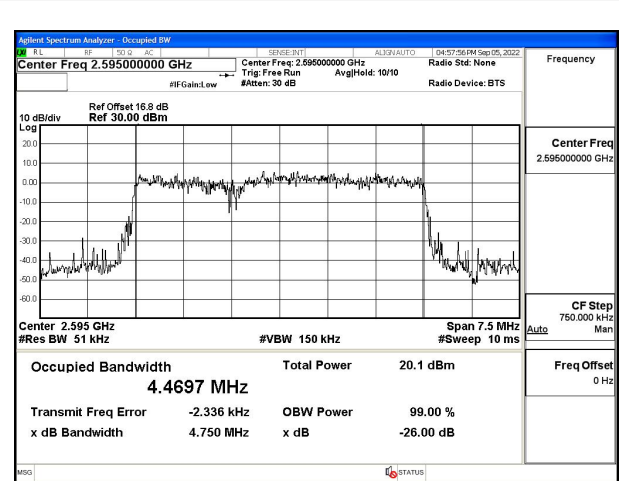


Fig.2

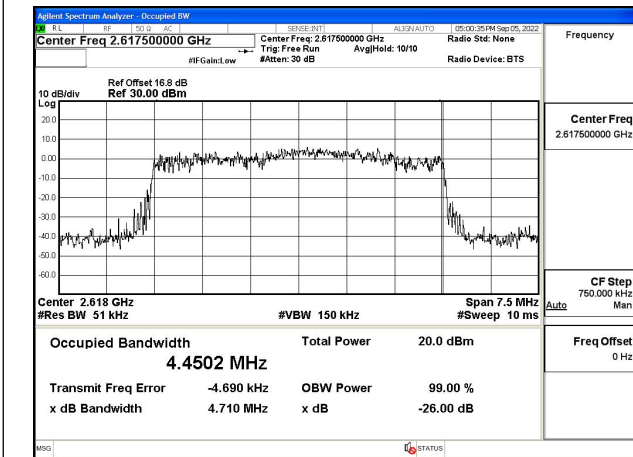


Fig.3

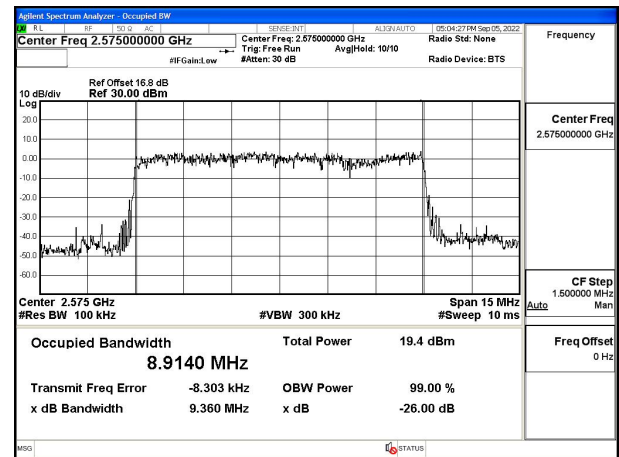


Fig.4

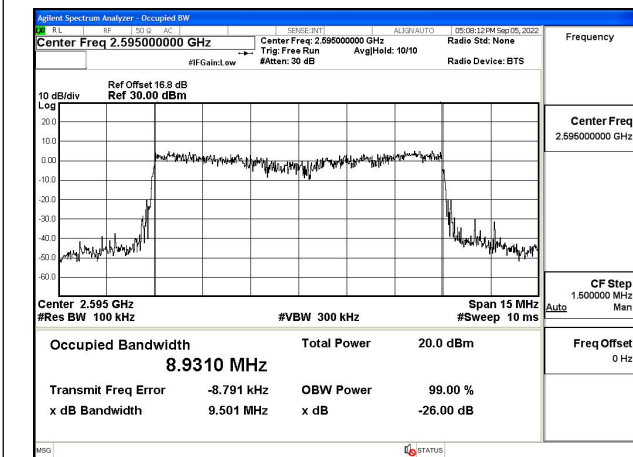


Fig.5

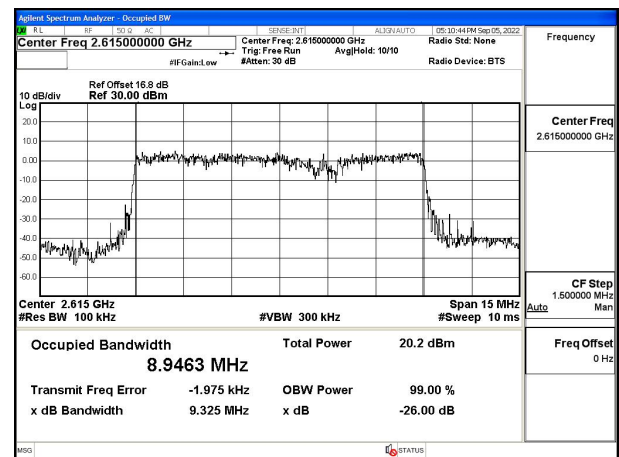


Fig.6

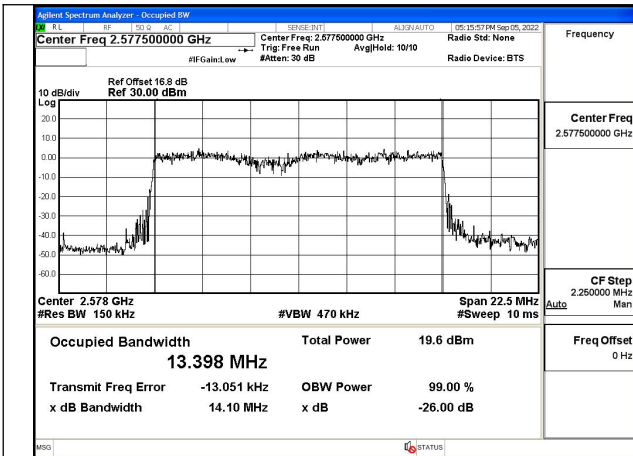


Fig.7

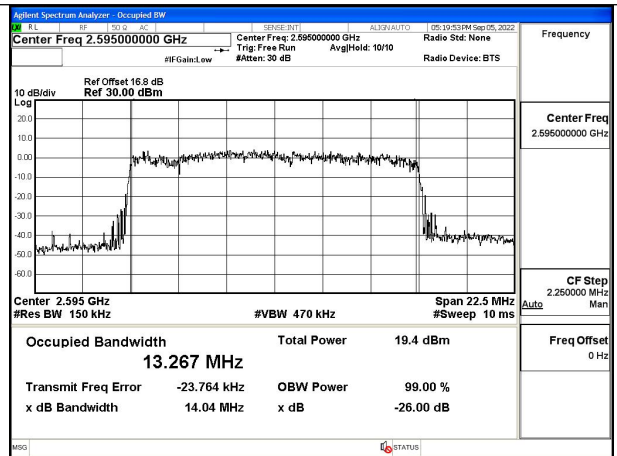


Fig.8

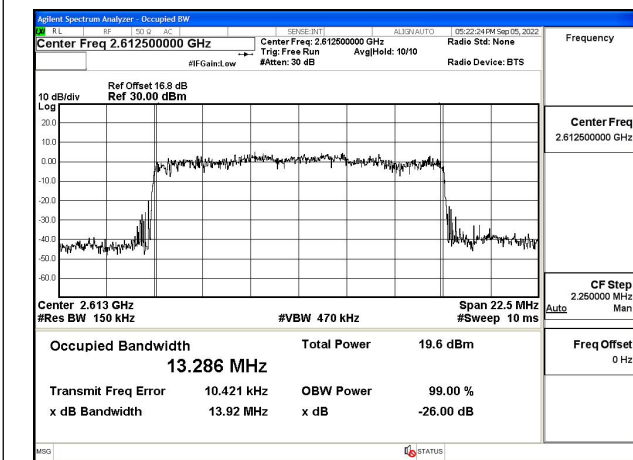


Fig.9

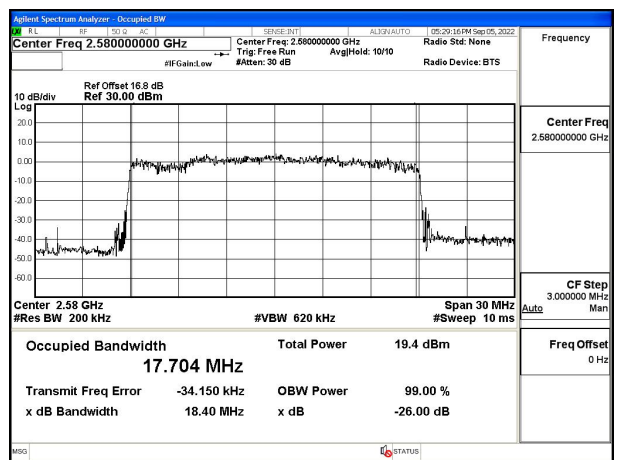


Fig.10

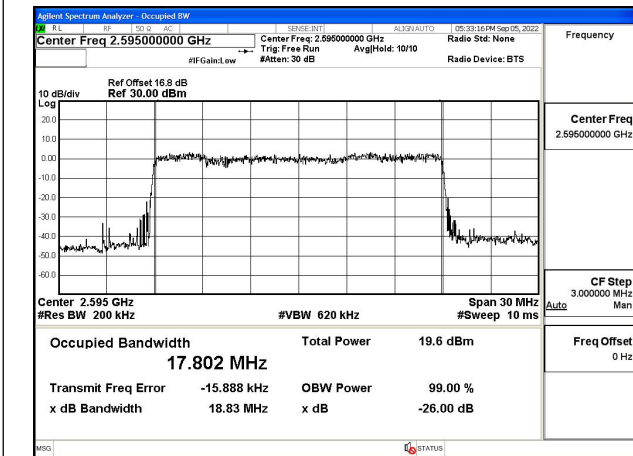


Fig.11

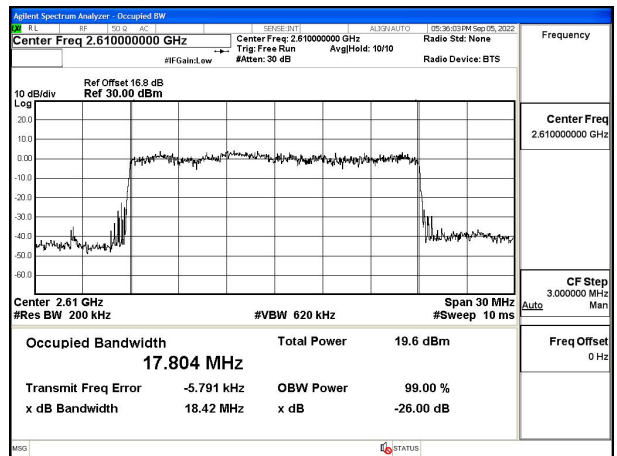


Fig.12

Test Mode: 16QAM

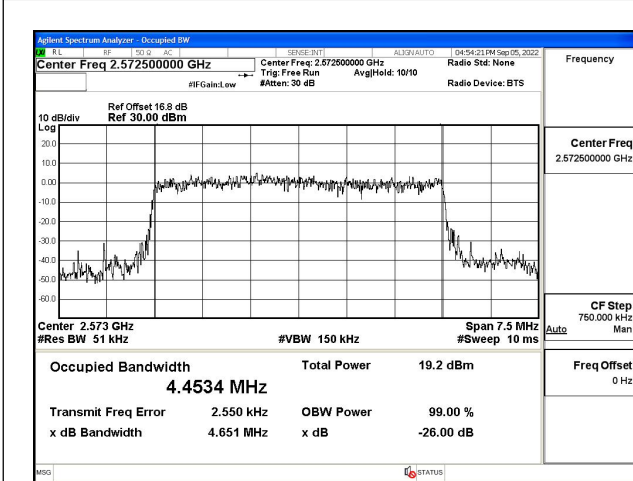


Fig.13

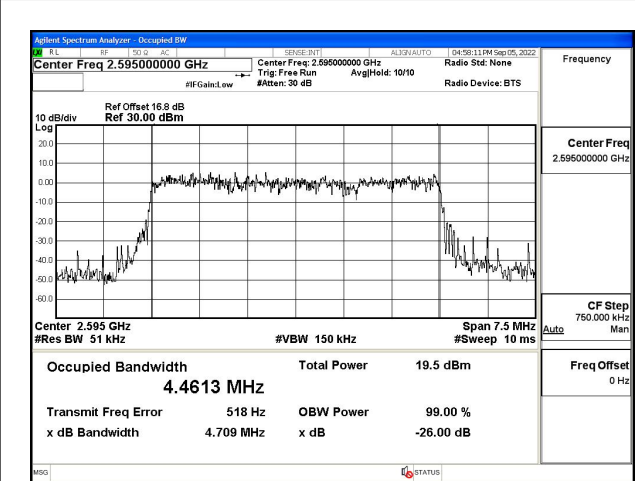


Fig.14

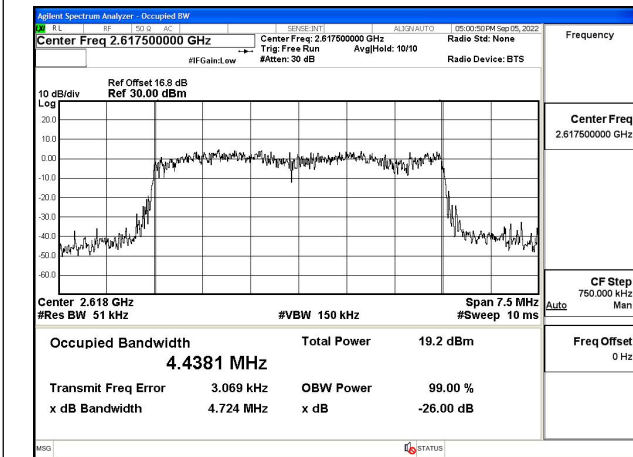


Fig.15

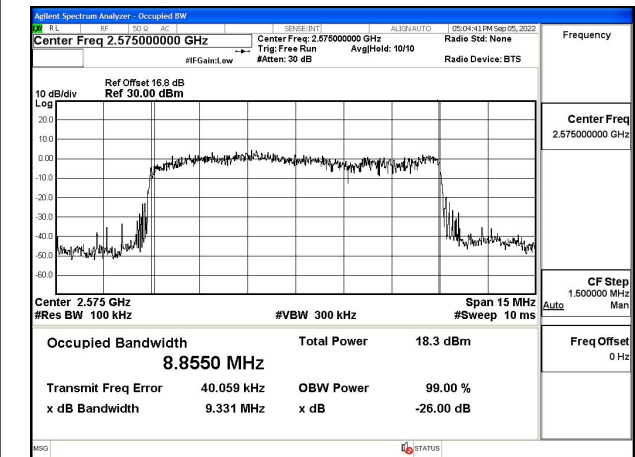


Fig.16

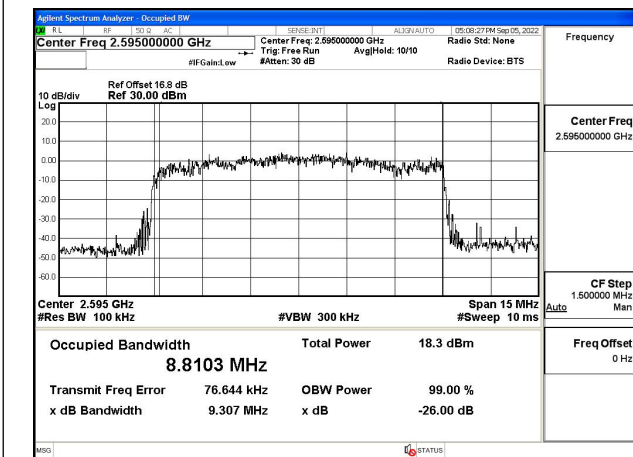


Fig.17

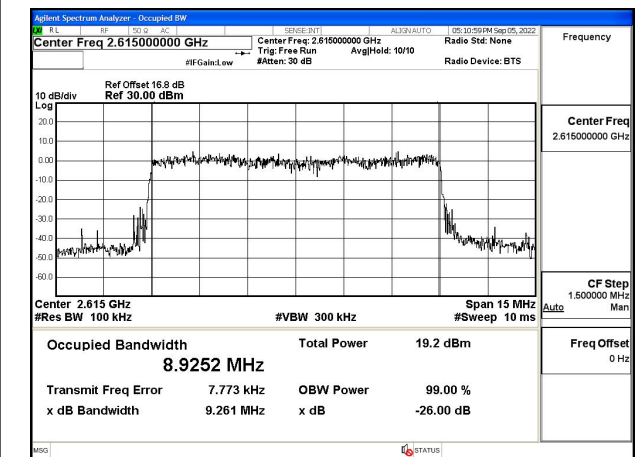


Fig.18

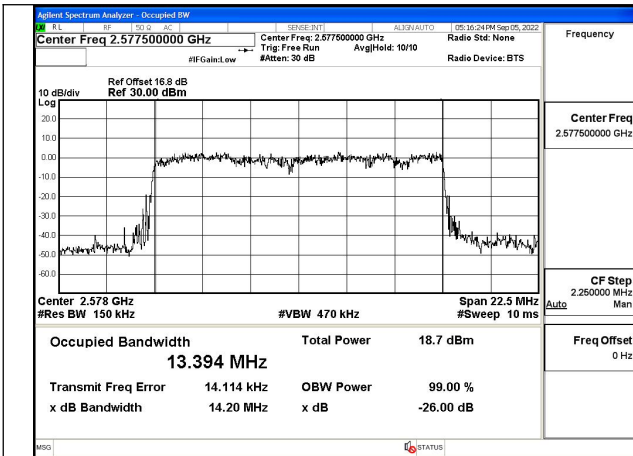


Fig.19

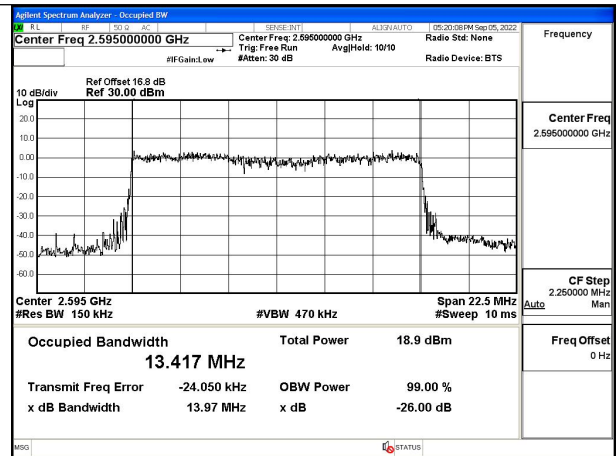


Fig.20

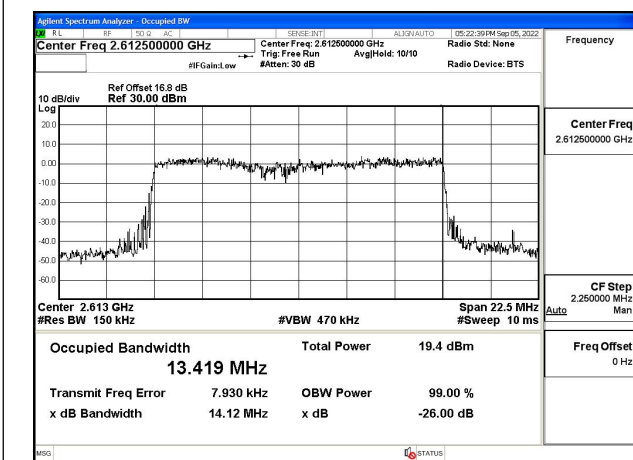


Fig.21

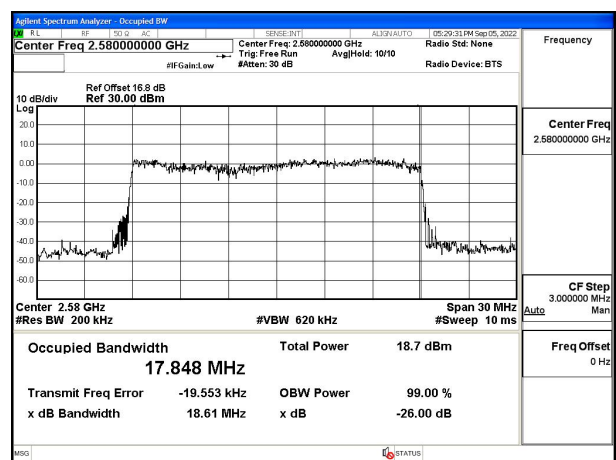


Fig.22

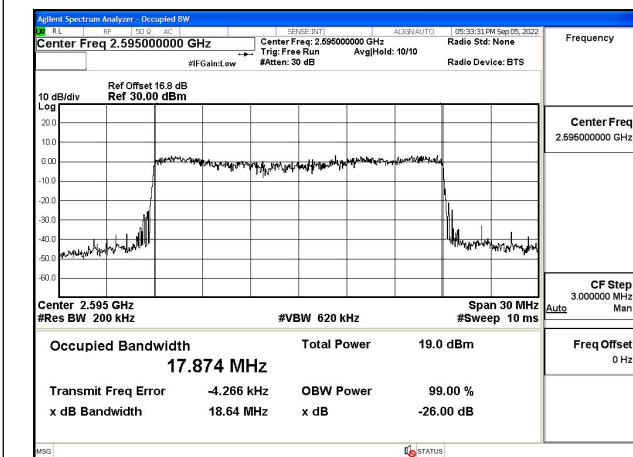


Fig.23

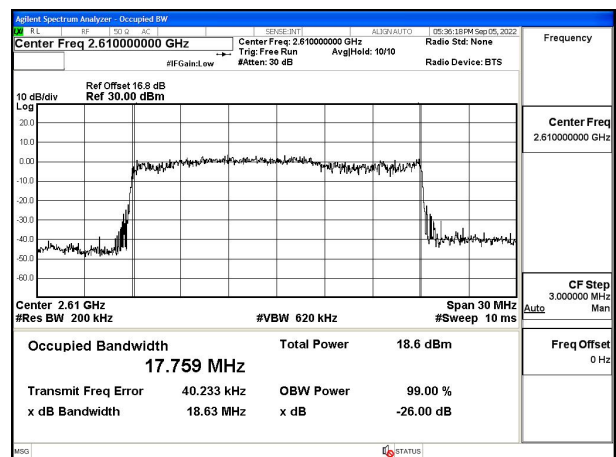


Fig.24

Test Mode: 64QAM

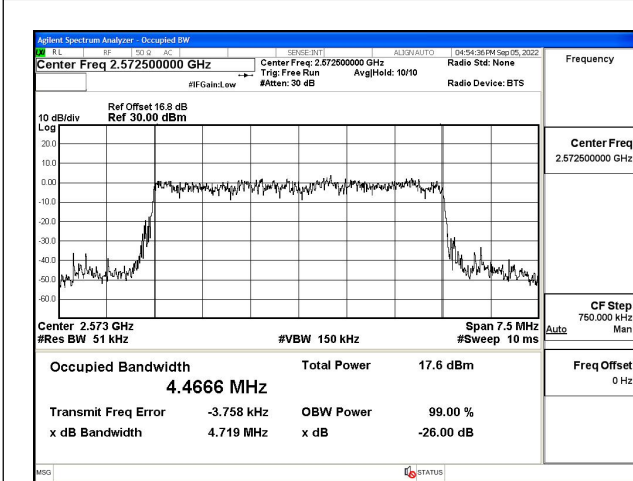


Fig.25

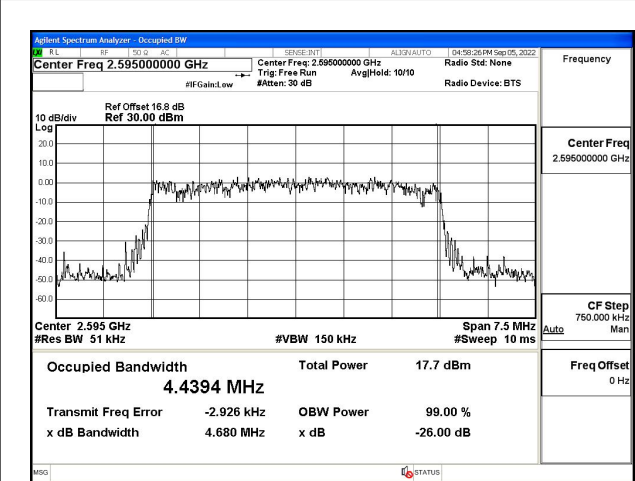


Fig.26

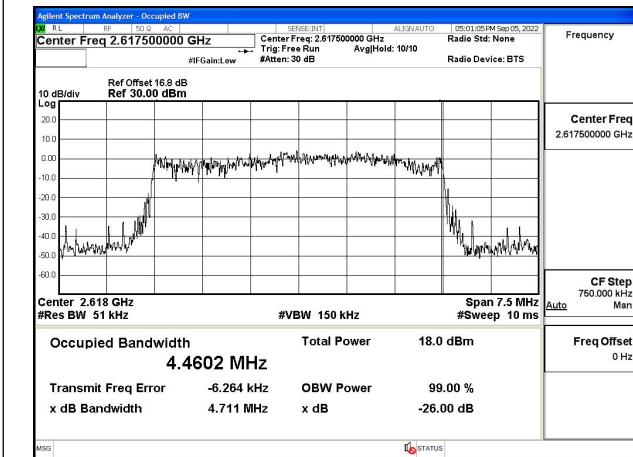


Fig.27

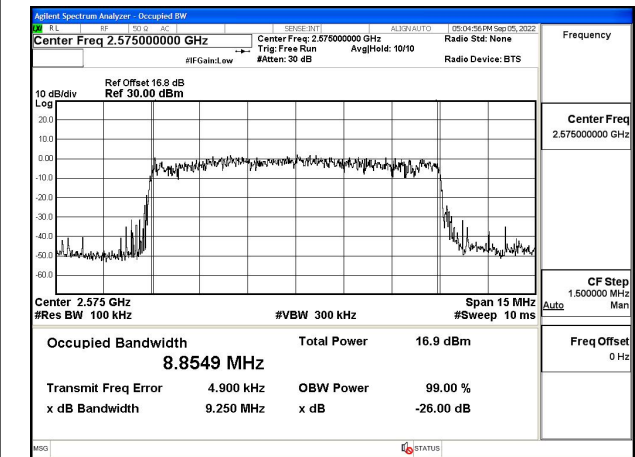


Fig.28

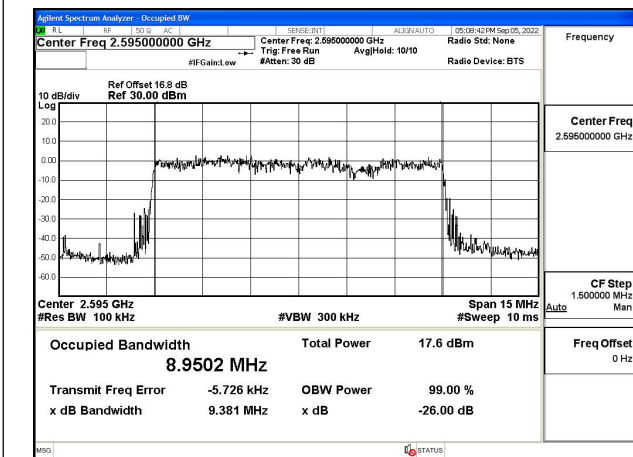


Fig.29

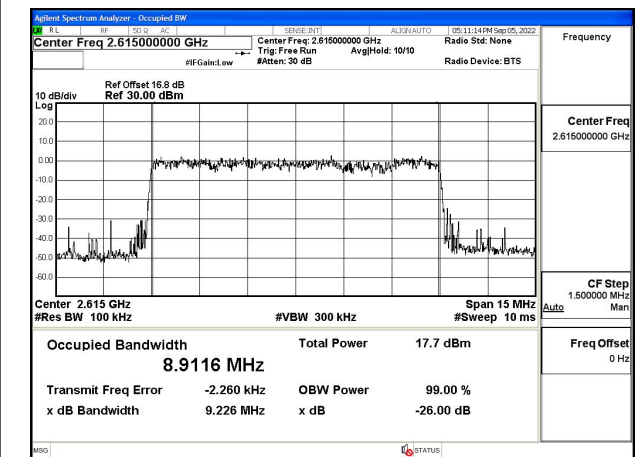


Fig.30

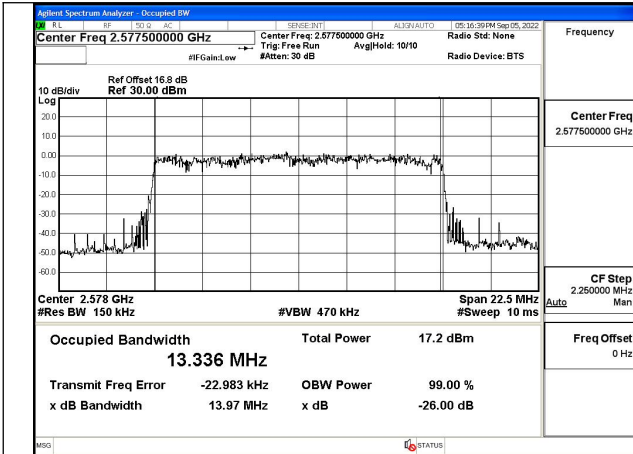


Fig.31

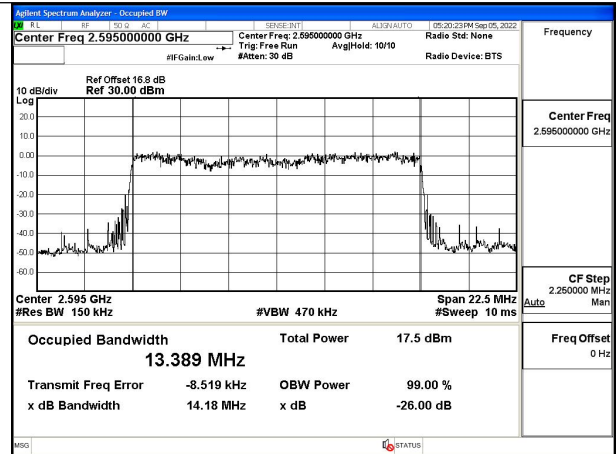


Fig.32

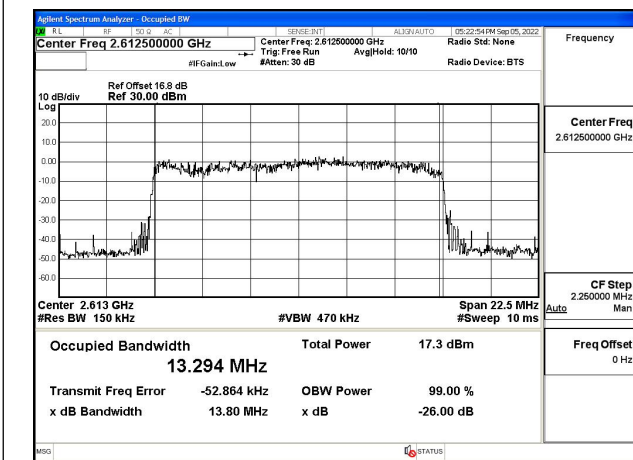


Fig.33

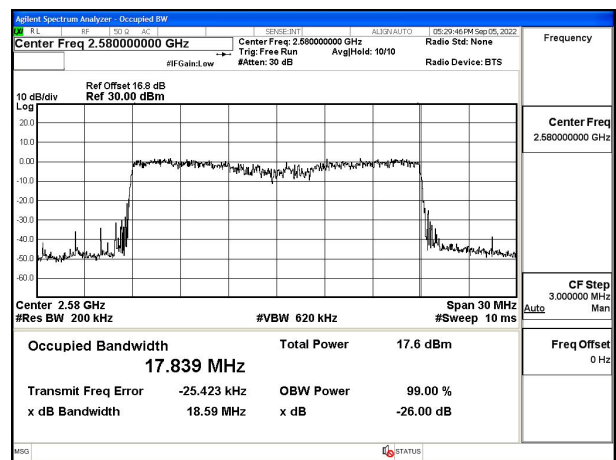


Fig.34

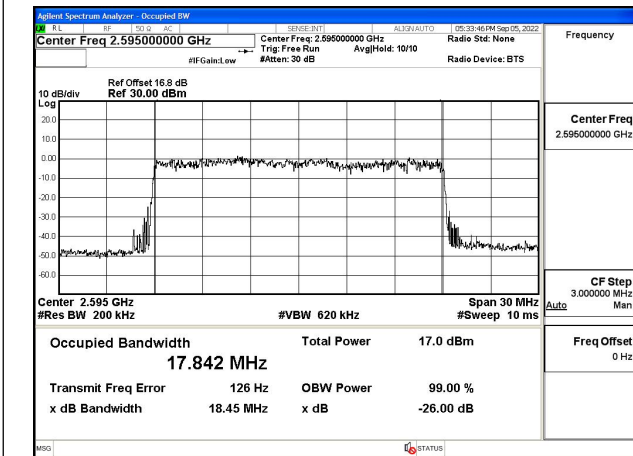


Fig.35

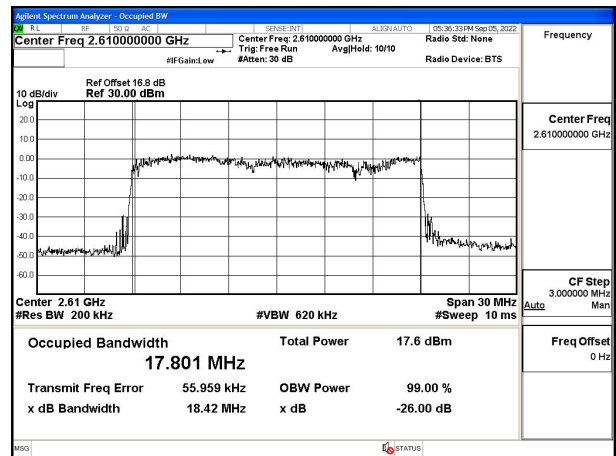


Fig.36

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	4.77	Fig.1
38	QPSK	2595	38000	5	25	0	4.75	Fig.2
38	QPSK	2617.5	38225	5	25	0	4.71	Fig.3
38	QPSK	2575	37800	10	50	0	9.36	Fig.4
38	QPSK	2595	38000	10	50	0	9.50	Fig.5
38	QPSK	2615	38200	10	50	0	9.32	Fig.6
38	QPSK	2577.5	37825	15	75	0	14.10	Fig.7
38	QPSK	2595	38000	15	75	0	14.04	Fig.8
38	QPSK	2612.5	38175	15	75	0	13.92	Fig.9
38	QPSK	2580	37850	20	100	0	18.40	Fig.10
38	QPSK	2595	38000	20	100	0	18.83	Fig.11
38	QPSK	2610	38150	20	100	0	18.42	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	4.65	Fig.13
38	16QAM	2595	38000	5	25	0	4.71	Fig.14
38	16QAM	2617.5	38225	5	25	0	4.72	Fig.15
38	16QAM	2575	37800	10	50	0	9.33	Fig.16
38	16QAM	2595	38000	10	50	0	9.31	Fig.17
38	16QAM	2615	38200	10	50	0	9.26	Fig.18
38	16QAM	2577.5	37825	15	75	0	14.20	Fig.19
38	16QAM	2595	38000	15	75	0	13.97	Fig.20
38	16QAM	2612.5	38175	15	75	0	14.12	Fig.21
38	16QAM	2580	37850	20	100	0	18.61	Fig.22
38	16QAM	2595	38000	20	100	0	18.64	Fig.23
38	16QAM	2610	38150	20	100	0	18.63	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	4.72	Fig.25
38	64QAM	2595	38000	5	25	0	4.68	Fig.26
38	64QAM	2617.5	38225	5	25	0	4.71	Fig.27
38	64QAM	2575	37800	10	50	0	9.25	Fig.28
38	64QAM	2595	38000	10	50	0	9.38	Fig.29
38	64QAM	2615	38200	10	50	0	9.23	Fig.30
38	64QAM	2577.5	37825	15	75	0	13.97	Fig.31
38	64QAM	2595	38000	15	75	0	14.18	Fig.32
38	64QAM	2612.5	38175	15	75	0	13.80	Fig.33
38	64QAM	2580	37850	20	100	0	18.59	Fig.34
38	64QAM	2595	38000	20	100	0	18.45	Fig.35
38	64QAM	2610	38150	20	100	0	18.42	Fig.36

Test Mode: QPSK

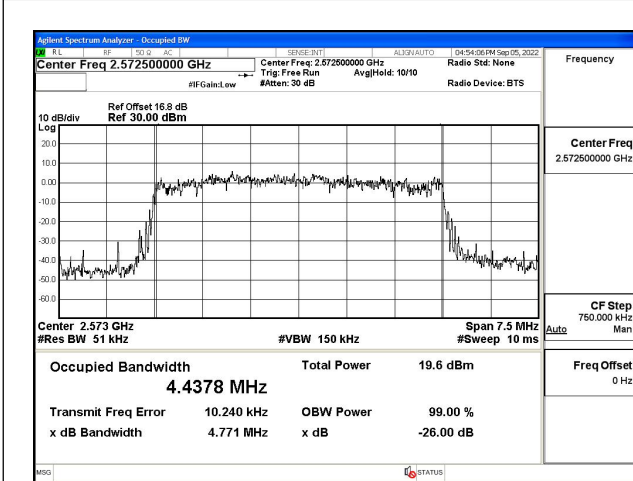


Fig.1

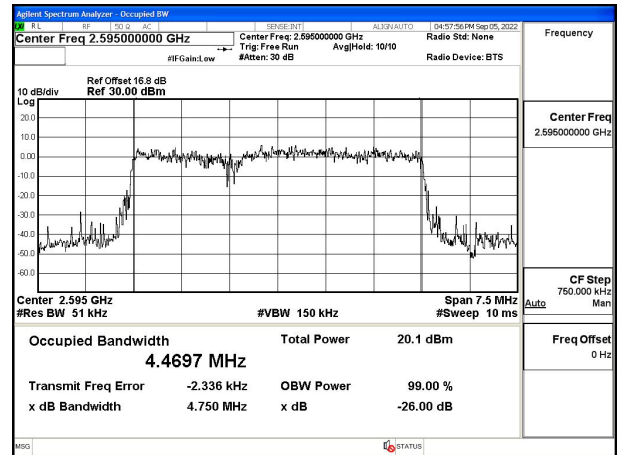


Fig.2

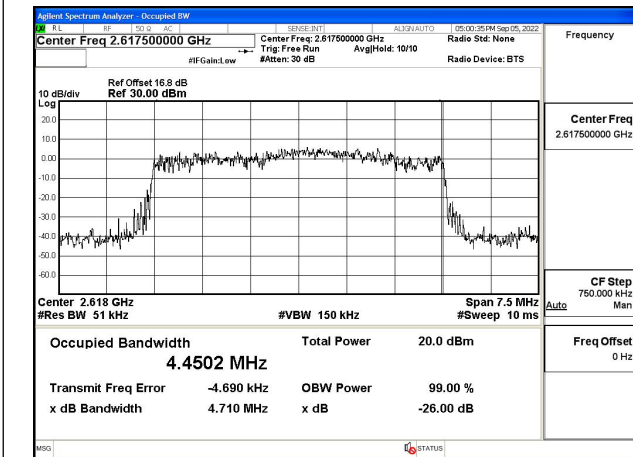


Fig.3

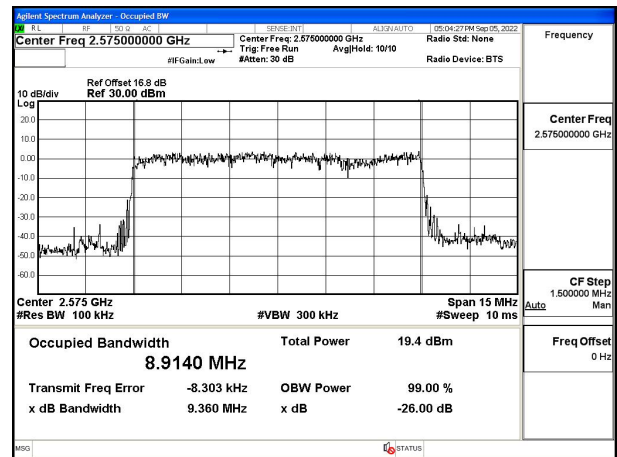


Fig.4

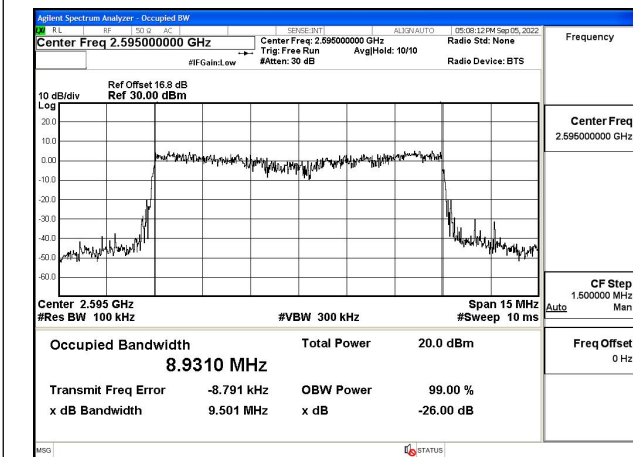


Fig.5

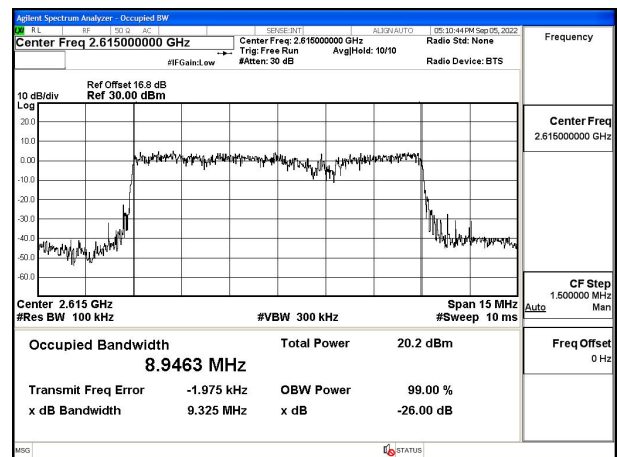


Fig.6