

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	24.89
QPSK	2572.5	37775	5	1	12	24.77
QPSK	2572.5	37775	5	1	24	24.66
QPSK	2572.5	37775	5	12	0	23.93
QPSK	2572.5	37775	5	12	7	23.81
QPSK	2572.5	37775	5	12	13	23.75
QPSK	2572.5	37775	5	25	0	23.89
QPSK	2595	38000	5	1	0	25.10
QPSK	2595	38000	5	1	12	25.10
QPSK	2595	38000	5	1	24	25.13
QPSK	2595	38000	5	12	0	23.59
QPSK	2595	38000	5	12	7	23.69
QPSK	2595	38000	5	12	13	23.62
QPSK	2595	38000	5	25	0	23.81
QPSK	2617.5	38225	5	1	0	24.75
QPSK	2617.5	38225	5	1	12	24.90
QPSK	2617.5	38225	5	1	24	25.11
QPSK	2617.5	38225	5	12	0	23.53
QPSK	2617.5	38225	5	12	7	23.51
QPSK	2617.5	38225	5	12	13	23.79
QPSK	2617.5	38225	5	25	0	23.52

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2572.5	37775	5	1	0	23.62
16QAM	2572.5	37775	5	1	12	23.42
16QAM	2572.5	37775	5	1	24	23.18
16QAM	2572.5	37775	5	12	0	22.97
16QAM	2572.5	37775	5	12	7	22.77
16QAM	2572.5	37775	5	12	13	22.83
16QAM	2572.5	37775	5	25	0	22.82
16QAM	2595	38000	5	1	0	23.61
16QAM	2595	38000	5	1	12	23.72
16QAM	2595	38000	5	1	24	23.67
16QAM	2595	38000	5	12	0	22.72
16QAM	2595	38000	5	12	7	22.81
16QAM	2595	38000	5	12	13	22.60
16QAM	2595	38000	5	25	0	22.87
16QAM	2617.5	38225	5	1	0	22.84
16QAM	2617.5	38225	5	1	12	23.02
16QAM	2617.5	38225	5	1	24	23.22
16QAM	2617.5	38225	5	12	0	22.60
16QAM	2617.5	38225	5	12	7	22.49
16QAM	2617.5	38225	5	12	13	22.74
16QAM	2617.5	38225	5	25	0	22.59
64QAM	2572.5	37775	5	1	0	22.20
64QAM	2572.5	37775	5	1	12	21.88
64QAM	2572.5	37775	5	1	24	21.73
64QAM	2572.5	37775	5	12	0	21.44
64QAM	2572.5	37775	5	12	7	21.18
64QAM	2572.5	37775	5	12	13	21.31
64QAM	2572.5	37775	5	25	0	21.47
64QAM	2595	38000	5	1	0	22.38
64QAM	2595	38000	5	1	12	22.70
64QAM	2595	38000	5	1	24	21.53
64QAM	2595	38000	5	12	0	21.07
64QAM	2595	38000	5	12	7	21.18
64QAM	2595	38000	5	12	13	20.96
64QAM	2595	38000	5	25	0	21.35
64QAM	2617.5	38225	5	1	0	21.58
64QAM	2617.5	38225	5	1	12	21.83
64QAM	2617.5	38225	5	1	24	21.99
64QAM	2617.5	38225	5	12	0	21.17
64QAM	2617.5	38225	5	12	7	21.33
64QAM	2617.5	38225	5	12	13	21.52
64QAM	2617.5	38225	5	25	0	21.42

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2575	37800	10	1	0	24.87
QPSK	2575	37800	10	1	25	24.51
QPSK	2575	37800	10	1	49	24.51
QPSK	2575	37800	10	25	0	23.75
QPSK	2575	37800	10	25	12	23.49
QPSK	2575	37800	10	25	25	23.52
QPSK	2575	37800	10	50	0	23.09
QPSK	2595	38000	10	1	0	24.92
QPSK	2595	38000	10	1	25	24.98
QPSK	2595	38000	10	1	49	24.61
QPSK	2595	38000	10	25	0	23.49
QPSK	2595	38000	10	25	12	23.56
QPSK	2595	38000	10	25	25	23.49
QPSK	2595	38000	10	50	0	23.25
QPSK	2615	38200	10	1	0	24.61
QPSK	2615	38200	10	1	25	24.64
QPSK	2615	38200	10	1	49	24.85
QPSK	2615	38200	10	25	0	23.63
QPSK	2615	38200	10	25	12	23.47
QPSK	2615	38200	10	25	25	23.63
QPSK	2615	38200	10	50	0	23.21

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2575	37800	10	1	0	23.47
16QAM	2575	37800	10	1	25	23.07
16QAM	2575	37800	10	1	49	23.18
16QAM	2575	37800	10	25	0	22.79
16QAM	2575	37800	10	25	12	22.57
16QAM	2575	37800	10	25	25	22.61
16QAM	2575	37800	10	50	0	22.29
16QAM	2595	38000	10	1	0	23.47
16QAM	2595	38000	10	1	25	23.38
16QAM	2595	38000	10	1	49	23.24
16QAM	2595	38000	10	25	0	22.45
16QAM	2595	38000	10	25	12	22.59
16QAM	2595	38000	10	25	25	22.41
16QAM	2595	38000	10	50	0	22.21
16QAM	2615	38200	10	1	0	23.30
16QAM	2615	38200	10	1	25	23.17
16QAM	2615	38200	10	1	49	23.53
16QAM	2615	38200	10	25	0	22.53
16QAM	2615	38200	10	25	12	22.57
16QAM	2615	38200	10	25	25	22.73
16QAM	2615	38200	10	50	0	22.20
64QAM	2575	37800	10	1	0	22.53
64QAM	2575	37800	10	1	25	22.64
64QAM	2575	37800	10	1	49	22.42
64QAM	2575	37800	10	25	0	21.56
64QAM	2575	37800	10	25	12	21.27
64QAM	2575	37800	10	25	25	21.44
64QAM	2575	37800	10	50	0	20.86
64QAM	2595	38000	10	1	0	21.93
64QAM	2595	38000	10	1	25	21.71
64QAM	2595	38000	10	1	49	21.64
64QAM	2595	38000	10	25	0	21.11
64QAM	2595	38000	10	25	12	21.08
64QAM	2595	38000	10	25	25	21.10
64QAM	2595	38000	10	50	0	20.79
64QAM	2615	38200	10	1	0	21.94
64QAM	2615	38200	10	1	25	22.06
64QAM	2615	38200	10	1	49	22.25
64QAM	2615	38200	10	25	0	21.28
64QAM	2615	38200	10	25	12	21.21
64QAM	2615	38200	10	25	25	21.49
64QAM	2615	38200	10	50	0	20.78

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2577.5	37825	15	1	0	25.06
QPSK	2577.5	37825	15	1	37	24.80
QPSK	2577.5	37825	15	1	74	24.92
QPSK	2577.5	37825	15	36	0	23.69
QPSK	2577.5	37825	15	36	29	23.62
QPSK	2577.5	37825	15	36	30	23.64
QPSK	2577.5	37825	15	75	0	23.37
QPSK	2595	38000	15	1	0	25.24
QPSK	2595	38000	15	1	37	25.08
QPSK	2595	38000	15	1	74	24.86
QPSK	2595	38000	15	36	0	23.71
QPSK	2595	38000	15	36	29	23.65
QPSK	2595	38000	15	36	30	23.65
QPSK	2595	38000	15	75	0	23.36
QPSK	2612.5	38175	15	1	0	24.56
QPSK	2612.5	38175	15	1	37	24.55
QPSK	2612.5	38175	15	1	74	24.92
QPSK	2612.5	38175	15	36	0	23.64
QPSK	2612.5	38175	15	36	29	23.37
QPSK	2612.5	38175	15	36	30	23.37
QPSK	2612.5	38175	15	75	0	23.28

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2577.5	37825	15	1	0	23.62
16QAM	2577.5	37825	15	1	37	23.29
16QAM	2577.5	37825	15	1	74	23.31
16QAM	2577.5	37825	15	36	0	22.77
16QAM	2577.5	37825	15	36	29	22.70
16QAM	2577.5	37825	15	36	30	22.71
16QAM	2577.5	37825	15	75	0	22.47
16QAM	2595	38000	15	1	0	23.81
16QAM	2595	38000	15	1	37	23.65
16QAM	2595	38000	15	1	74	23.63
16QAM	2595	38000	15	36	0	22.75
16QAM	2595	38000	15	36	29	22.63
16QAM	2595	38000	15	36	30	22.64
16QAM	2595	38000	15	75	0	22.30
16QAM	2612.5	38175	15	1	0	23.24
16QAM	2612.5	38175	15	1	37	23.08
16QAM	2612.5	38175	15	1	74	23.60
16QAM	2612.5	38175	15	36	0	22.47
16QAM	2612.5	38175	15	36	29	22.48
16QAM	2612.5	38175	15	36	30	22.48
16QAM	2612.5	38175	15	75	0	22.18
64QAM	2577.5	37825	15	1	0	22.34
64QAM	2577.5	37825	15	1	37	22.38
64QAM	2577.5	37825	15	1	74	22.29
64QAM	2577.5	37825	15	36	0	21.29
64QAM	2577.5	37825	15	36	29	21.34
64QAM	2577.5	37825	15	36	30	21.35
64QAM	2577.5	37825	15	75	0	20.93
64QAM	2595	38000	15	1	0	22.52
64QAM	2595	38000	15	1	37	22.09
64QAM	2595	38000	15	1	74	22.64
64QAM	2595	38000	15	36	0	21.55
64QAM	2595	38000	15	36	29	21.26
64QAM	2595	38000	15	36	30	21.27
64QAM	2595	38000	15	75	0	20.78
64QAM	2612.5	38175	15	1	0	22.03
64QAM	2612.5	38175	15	1	37	21.81
64QAM	2612.5	38175	15	1	74	21.75
64QAM	2612.5	38175	15	36	0	21.01
64QAM	2612.5	38175	15	36	29	21.08
64QAM	2612.5	38175	15	36	30	21.09
64QAM	2612.5	38175	15	75	0	20.79

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2580	37850	20	1	0	25.18
QPSK	2580	37850	20	1	49	24.86
QPSK	2580	37850	20	1	99	24.86
QPSK	2580	37850	20	50	0	23.77
QPSK	2580	37850	20	50	24	23.66
QPSK	2580	37850	20	50	50	23.77
QPSK	2580	37850	20	100	0	23.36
QPSK	2595	38000	20	1	0	24.89
QPSK	2595	38000	20	1	49	24.91
QPSK	2595	38000	20	1	99	24.64
QPSK	2595	38000	20	50	0	23.45
QPSK	2595	38000	20	50	24	23.69
QPSK	2595	38000	20	50	50	23.40
QPSK	2595	38000	20	100	0	23.10
QPSK	2610	38150	20	1	0	25.00
QPSK	2610	38150	20	1	49	24.94
QPSK	2610	38150	20	1	99	25.25
QPSK	2610	38150	20	50	0	23.67
QPSK	2610	38150	20	50	24	23.52
QPSK	2610	38150	20	50	50	23.47
QPSK	2610	38150	20	100	0	23.18

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2580	37850	20	1	0	23.61
16QAM	2580	37850	20	1	49	23.34
16QAM	2580	37850	20	1	99	23.34
16QAM	2580	37850	20	50	0	22.70
16QAM	2580	37850	20	50	24	22.80
16QAM	2580	37850	20	50	50	22.73
16QAM	2580	37850	20	100	0	22.46
16QAM	2595	38000	20	1	0	23.56
16QAM	2595	38000	20	1	49	23.42
16QAM	2595	38000	20	1	99	23.26
16QAM	2595	38000	20	50	0	22.72
16QAM	2595	38000	20	50	24	22.61
16QAM	2595	38000	20	50	50	22.51
16QAM	2595	38000	20	100	0	22.33
16QAM	2610	38150	20	1	0	23.66
16QAM	2610	38150	20	1	49	23.42
16QAM	2610	38150	20	1	99	23.81
16QAM	2610	38150	20	50	0	22.68
16QAM	2610	38150	20	50	24	22.55
16QAM	2610	38150	20	50	50	22.56
16QAM	2610	38150	20	100	0	22.14
64QAM	2580	37850	20	1	0	22.29
64QAM	2580	37850	20	1	49	22.30
64QAM	2580	37850	20	1	99	22.62
64QAM	2580	37850	20	50	0	21.29
64QAM	2580	37850	20	50	24	21.29
64QAM	2580	37850	20	50	50	21.36
64QAM	2580	37850	20	100	0	21.04
64QAM	2595	38000	20	1	0	21.77
64QAM	2595	38000	20	1	49	21.91
64QAM	2595	38000	20	1	99	21.62
64QAM	2595	38000	20	50	0	21.17
64QAM	2595	38000	20	50	24	21.02
64QAM	2595	38000	20	50	50	21.05
64QAM	2595	38000	20	100	0	20.77
64QAM	2610	38150	20	1	0	22.12
64QAM	2610	38150	20	1	49	21.40
64QAM	2610	38150	20	1	99	22.22
64QAM	2610	38150	20	50	0	21.24
64QAM	2610	38150	20	50	24	21.03
64QAM	2610	38150	20	50	50	21.02
64QAM	2610	38150	20	100	0	20.70

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	4.47	Fig.1
38	QPSK	2595	38000	5	25	0	4.45	Fig.2
38	QPSK	2617.5	38225	5	25	0	4.47	Fig.3
38	QPSK	2575	37800	10	50	0	8.89	Fig.4
38	QPSK	2595	38000	10	50	0	8.87	Fig.5
38	QPSK	2615	38200	10	50	0	8.90	Fig.6
38	QPSK	2580	37850	20	100	0	17.78	Fig.7
38	QPSK	2595	38000	20	100	0	17.85	Fig.8
38	QPSK	2610	38150	20	100	0	17.77	Fig.9

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	4.44	Fig.10
38	16QAM	2595	38000	5	25	0	4.45	Fig.11
38	16QAM	2617.5	38225	5	25	0	4.47	Fig.12
38	16QAM	2575	37800	10	50	0	8.93	Fig.13
38	16QAM	2595	38000	10	50	0	8.93	Fig.14
38	16QAM	2615	38200	10	50	0	8.87	Fig.15
38	16QAM	2580	37850	20	100	0	17.82	Fig.16
38	16QAM	2595	38000	20	100	0	17.76	Fig.17
38	16QAM	2610	38150	20	100	0	17.85	Fig.18

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	4.45	Fig.19
38	64QAM	2595	38000	5	25	0	4.45	Fig.20
38	64QAM	2617.5	38225	5	25	0	4.43	Fig.21
38	64QAM	2575	37800	10	50	0	8.89	Fig.22
38	64QAM	2595	38000	10	50	0	8.92	Fig.23
38	64QAM	2615	38200	10	50	0	8.92	Fig.24
38	64QAM	2580	37850	20	100	0	17.76	Fig.25
38	64QAM	2595	38000	20	100	0	17.89	Fig.26
38	64QAM	2610	38150	20	100	0	17.84	Fig.27

Test Mode: QPSK

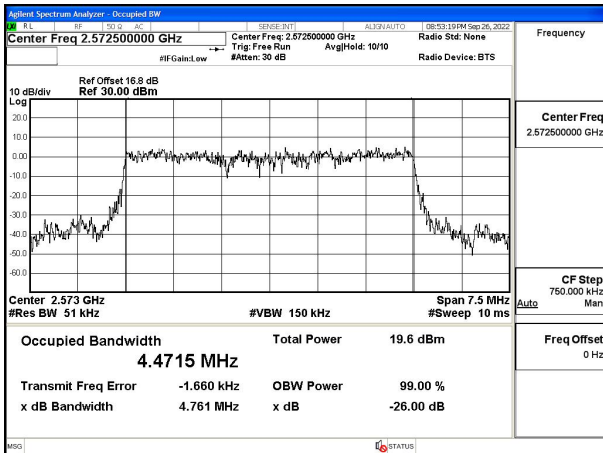


Fig.1

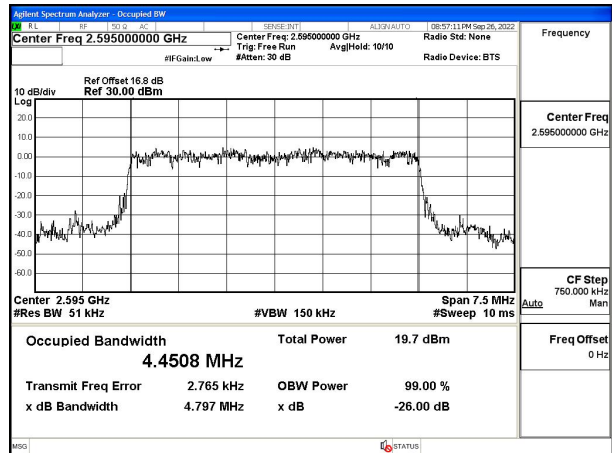


Fig.2

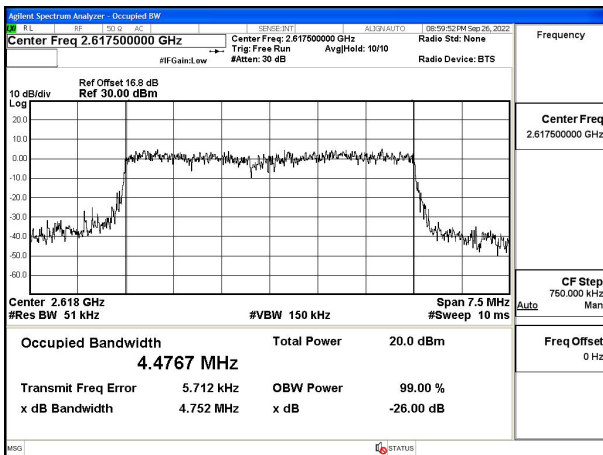


Fig.3

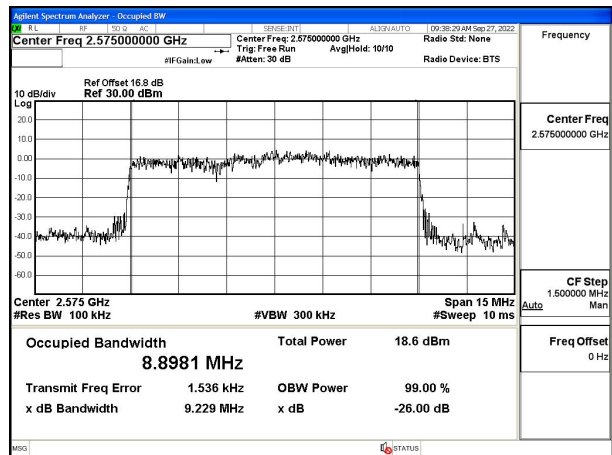


Fig.4

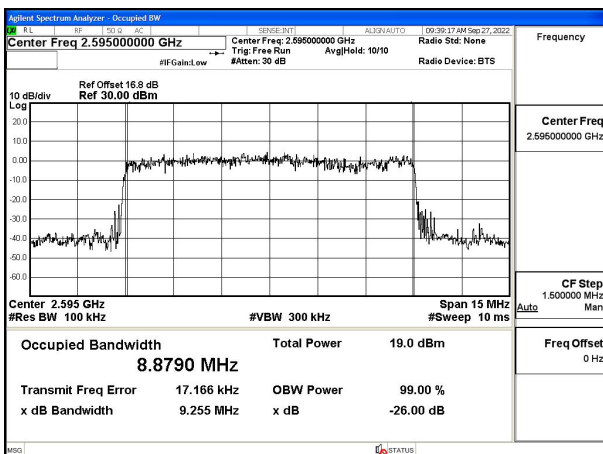


Fig.5

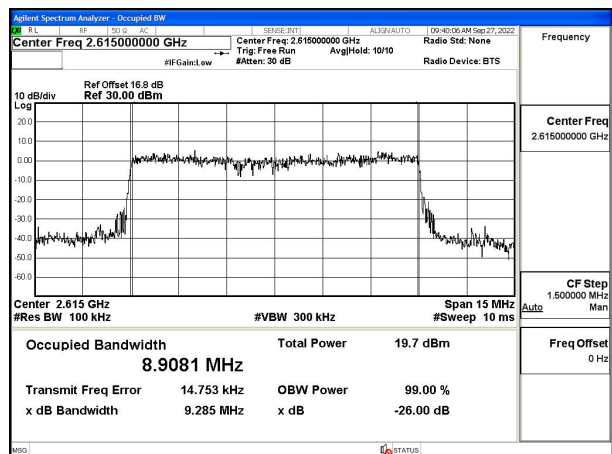


Fig.6

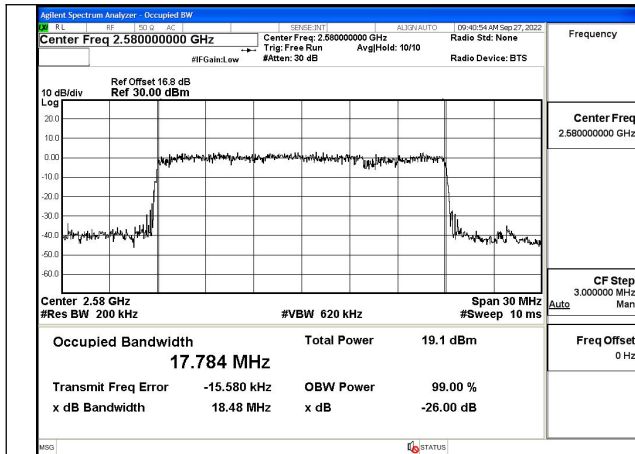


Fig.7

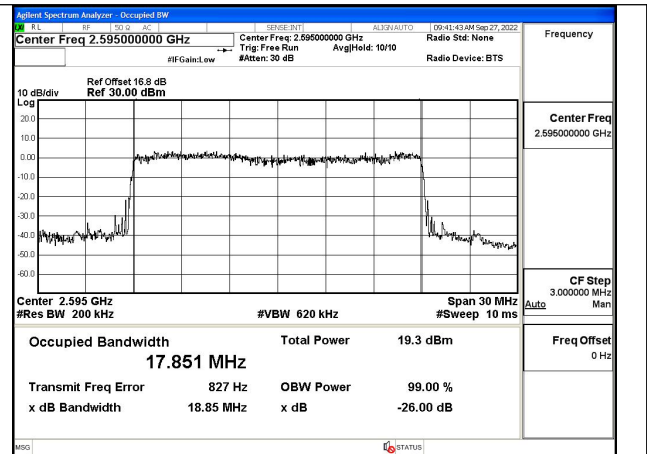


Fig.8

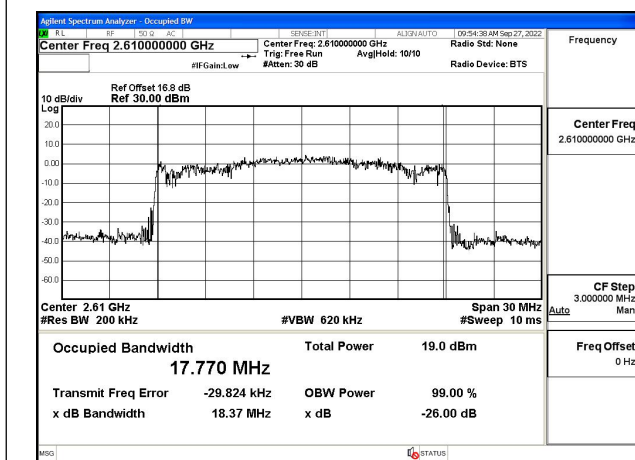


Fig.9

Test Mode: 16QAM

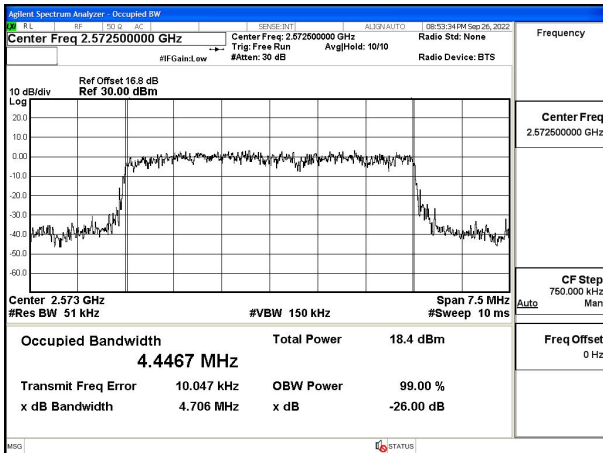


Fig.10

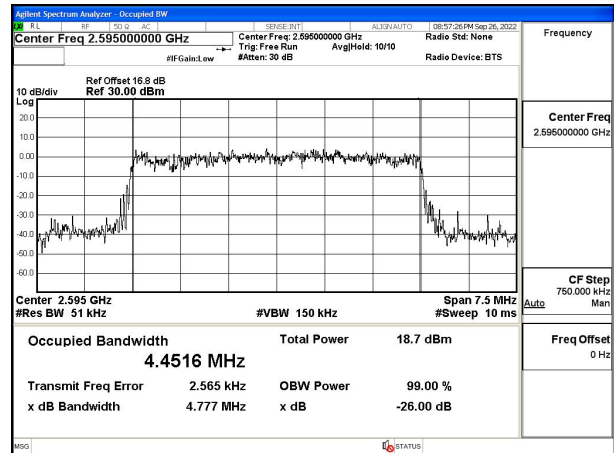


Fig.11

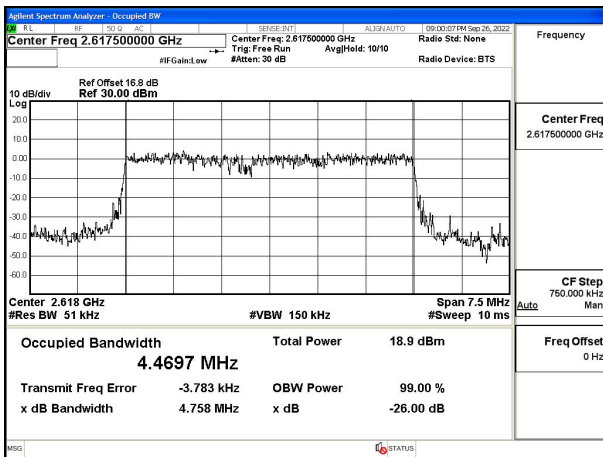


Fig.12

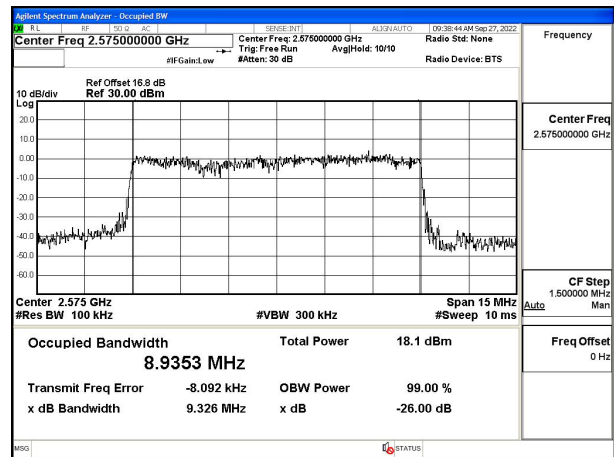


Fig.13

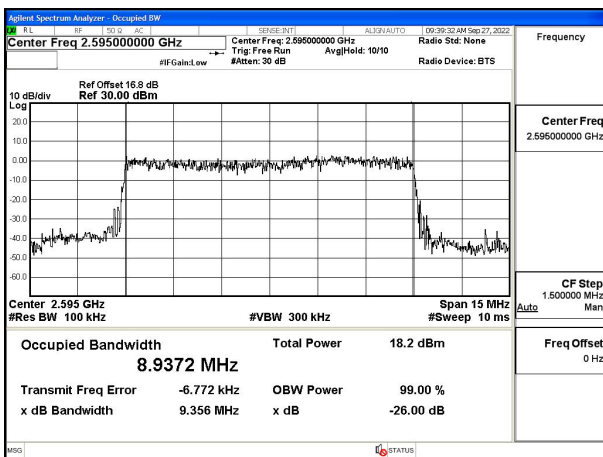


Fig.14

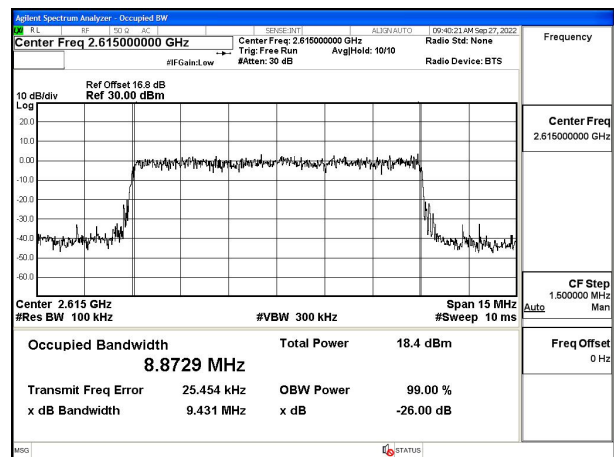


Fig.15

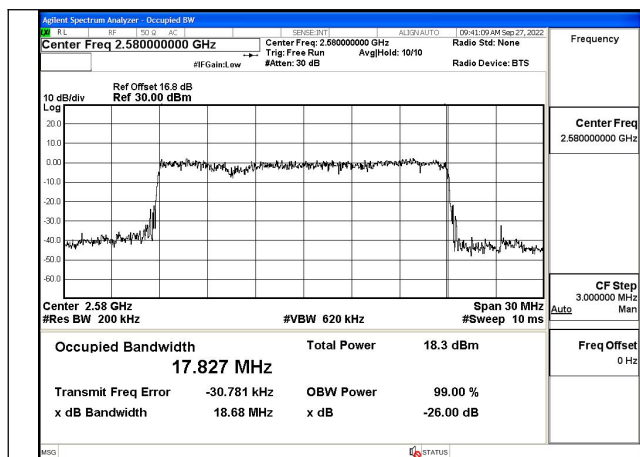


Fig.16

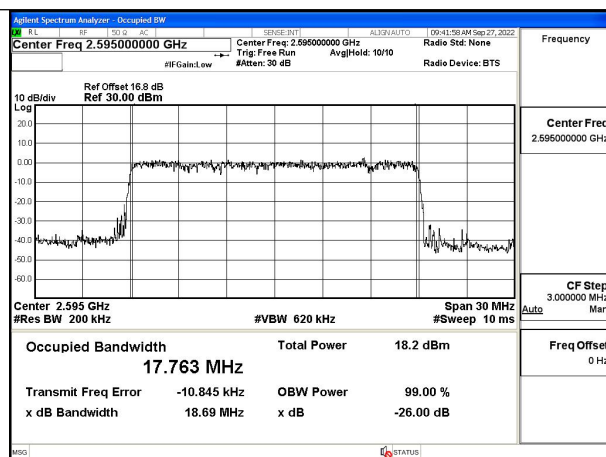


Fig.17

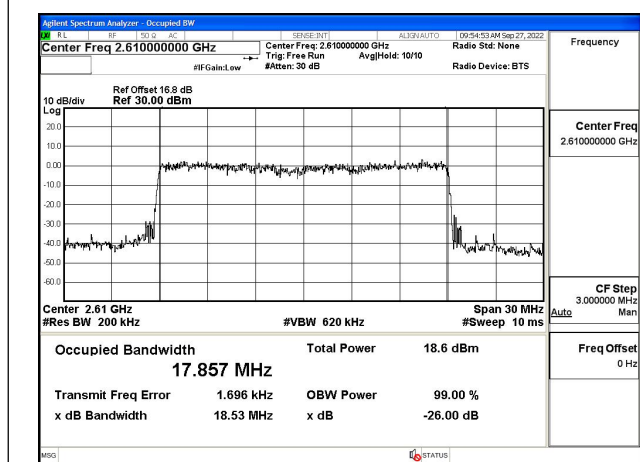


Fig.18

Test Mode: 64QAM

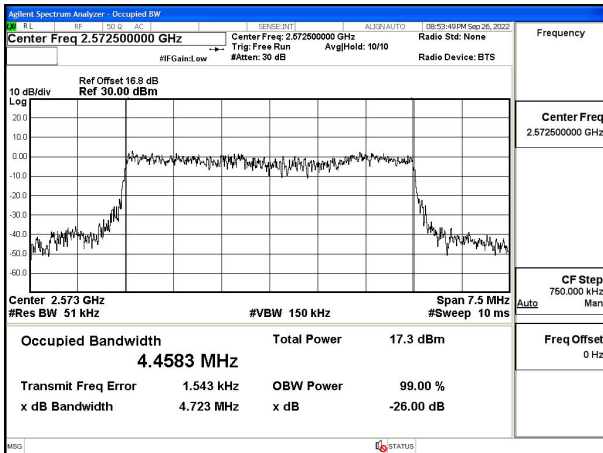


Fig.19

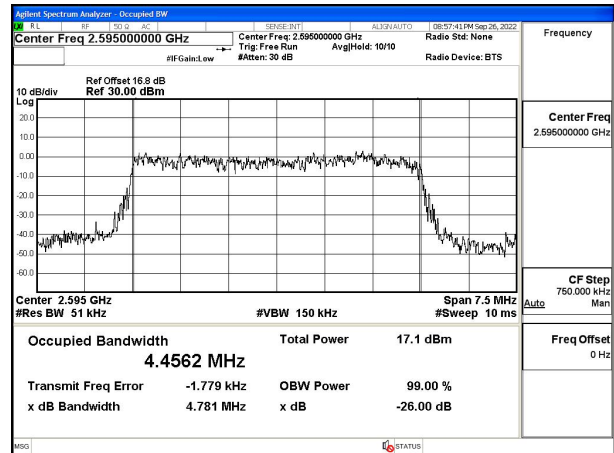


Fig.20

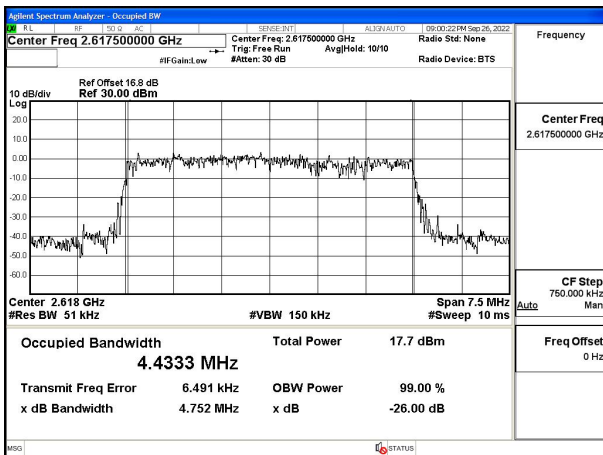


Fig.21

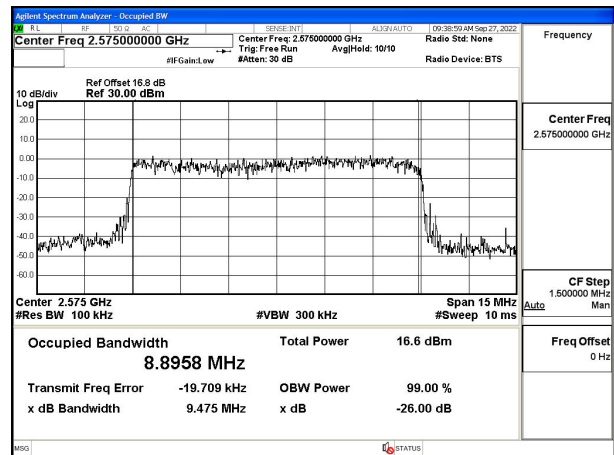


Fig.22

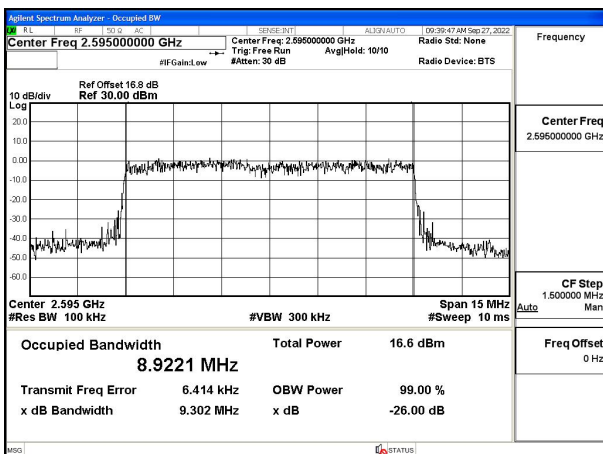


Fig.23

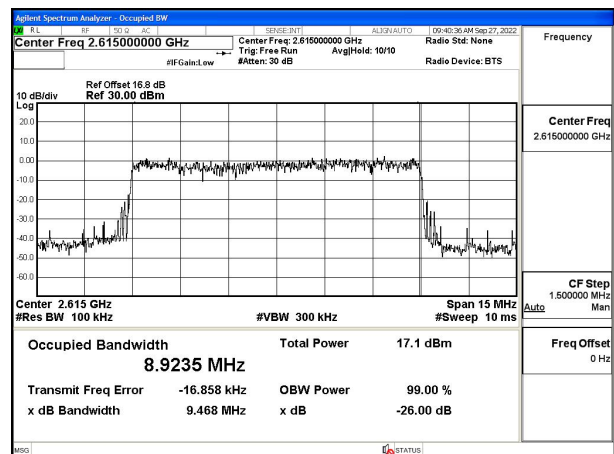


Fig.24

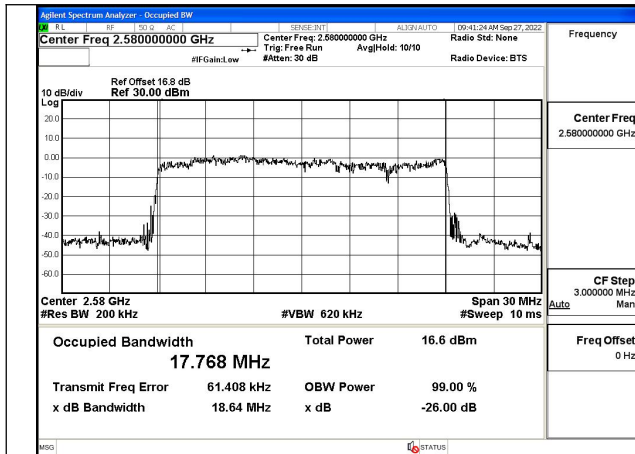


Fig.25

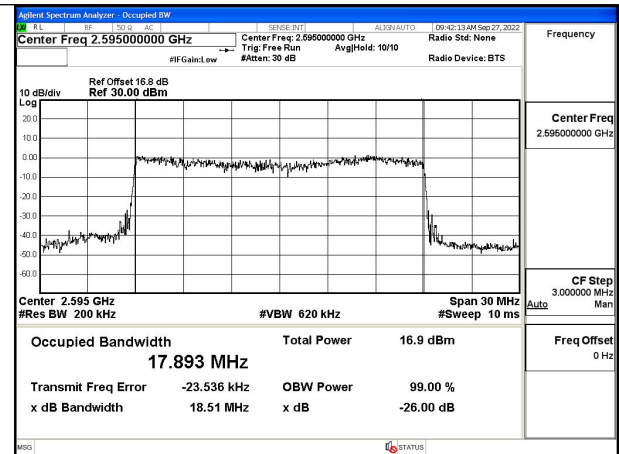


Fig.26

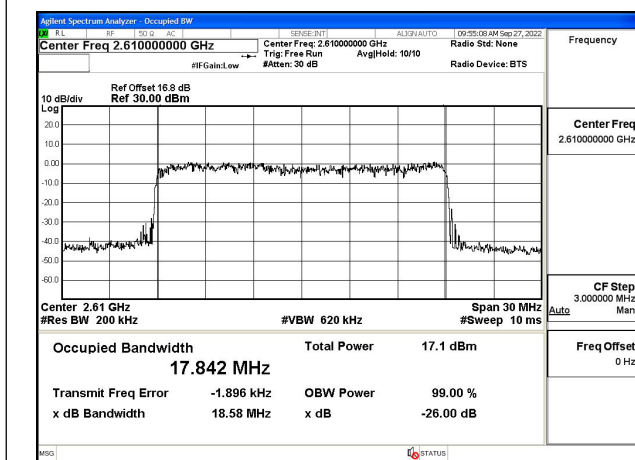


Fig.27

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	4.76	Fig.1
38	QPSK	2595	38000	5	25	0	4.80	Fig.2
38	QPSK	2617.5	38225	5	25	0	4.75	Fig.3
38	QPSK	2575	37800	10	50	0	9.23	Fig.4
38	QPSK	2595	38000	10	50	0	9.26	Fig.5
38	QPSK	2615	38200	10	50	0	9.29	Fig.6
38	QPSK	2580	37850	20	100	0	18.48	Fig.7
38	QPSK	2595	38000	20	100	0	18.85	Fig.8
38	QPSK	2610	38150	20	100	0	18.37	Fig.9

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	4.71	Fig.10
38	16QAM	2595	38000	5	25	0	4.78	Fig.11
38	16QAM	2617.5	38225	5	25	0	4.76	Fig.12
38	16QAM	2575	37800	10	50	0	9.33	Fig.13
38	16QAM	2595	38000	10	50	0	9.36	Fig.14
38	16QAM	2615	38200	10	50	0	9.43	Fig.15
38	16QAM	2580	37850	20	100	0	18.68	Fig.16
38	16QAM	2595	38000	20	100	0	18.69	Fig.17
38	16QAM	2610	38150	20	100	0	18.53	Fig.18

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.19
38	64QAM	2595	38000	5	25	0	4.78	Fig.20
38	64QAM	2617.5	38225	5	25	0	4.75	Fig.21
38	64QAM	2575	37800	10	50	0	9.47	Fig.22
38	64QAM	2595	38000	10	50	0	9.30	Fig.23
38	64QAM	2615	38200	10	50	0	9.46	Fig.24
38	64QAM	2580	37850	20	100	0	18.63	Fig.25
38	64QAM	2595	38000	20	100	0	18.50	Fig.26
38	64QAM	2610	38150	20	100	0	18.57	Fig.27

Test Mode: QPSK

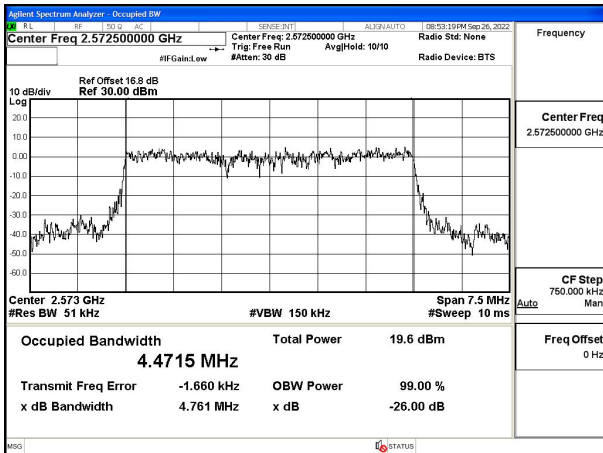


Fig.1

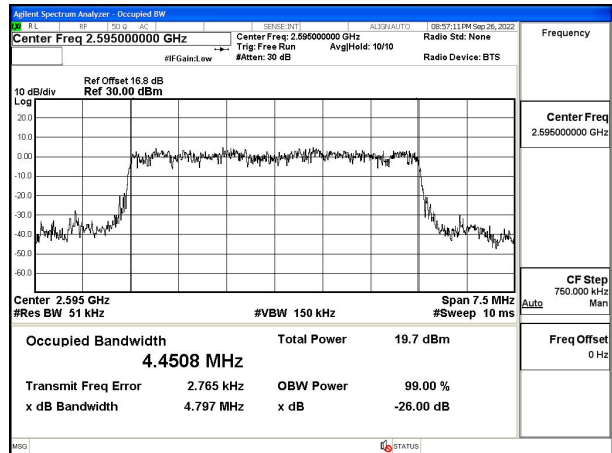


Fig.2

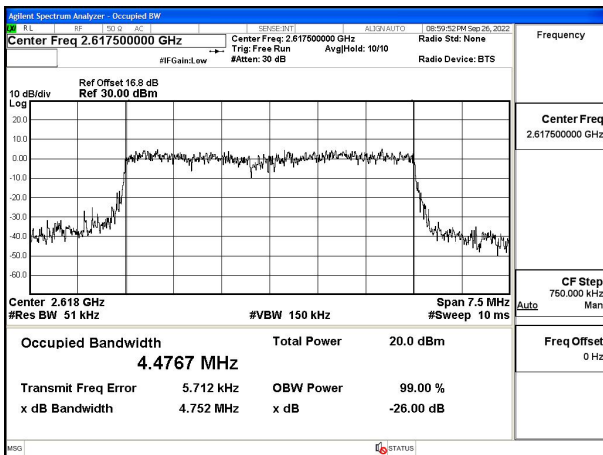


Fig.3

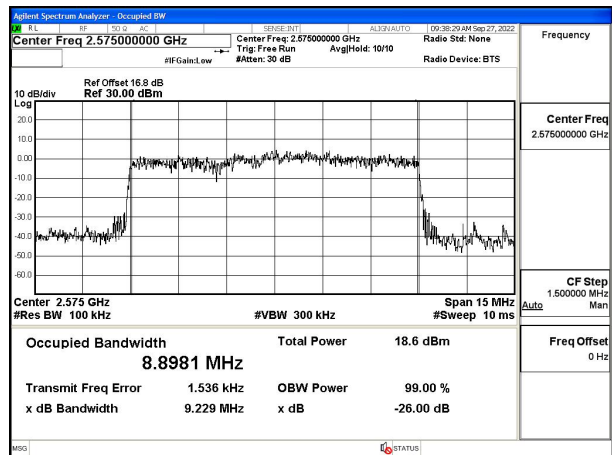


Fig.4

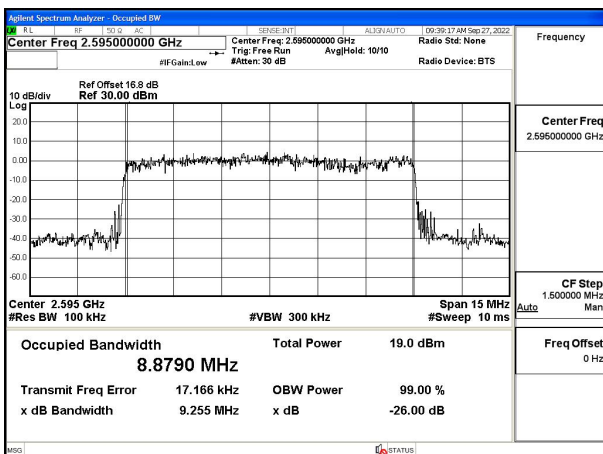


Fig.5

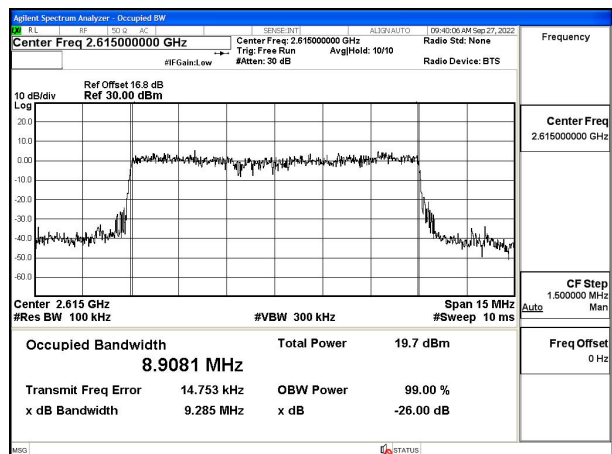


Fig.6

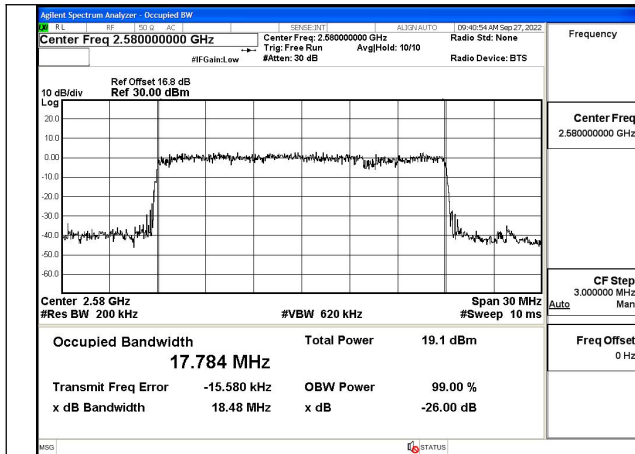


Fig.7

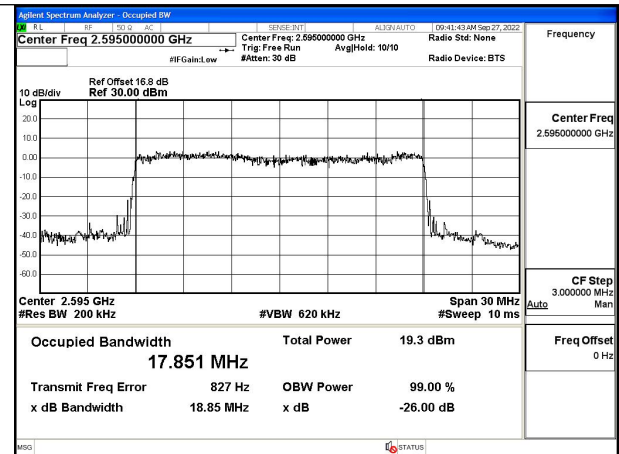


Fig.8

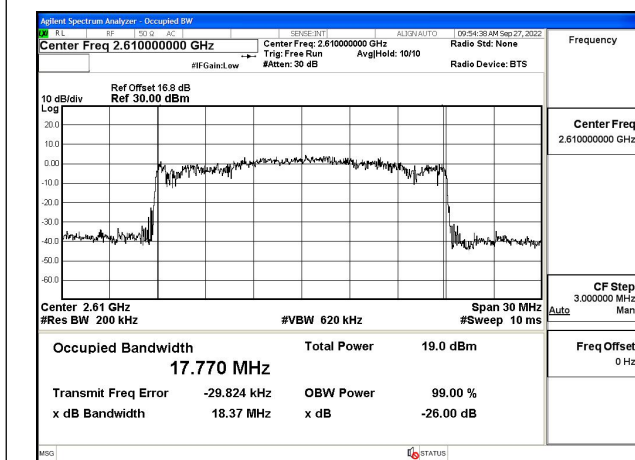


Fig.9

Test Mode: 16QAM

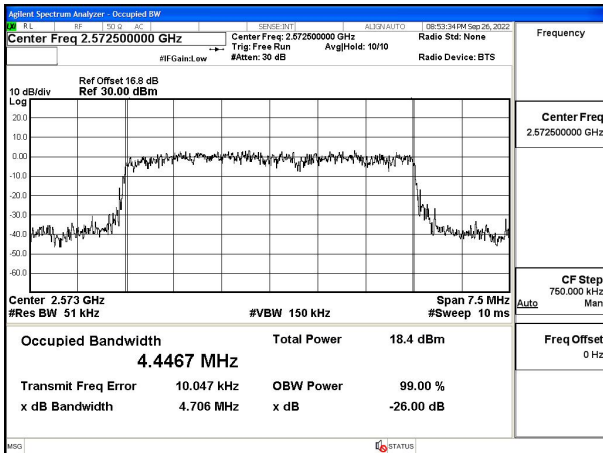


Fig.10

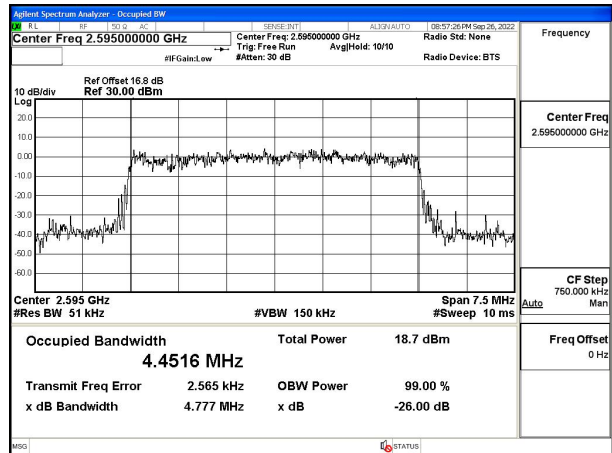


Fig.11

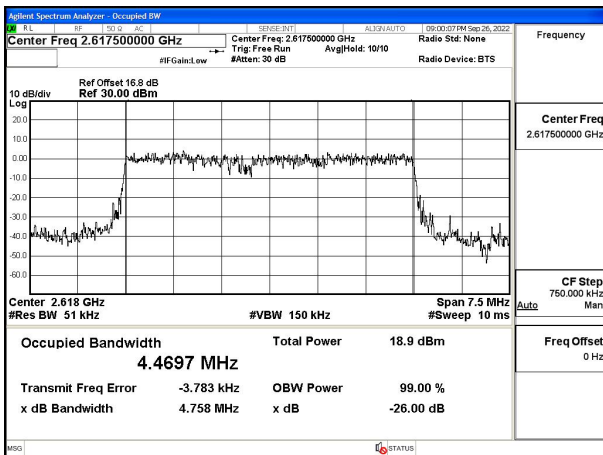


Fig.12

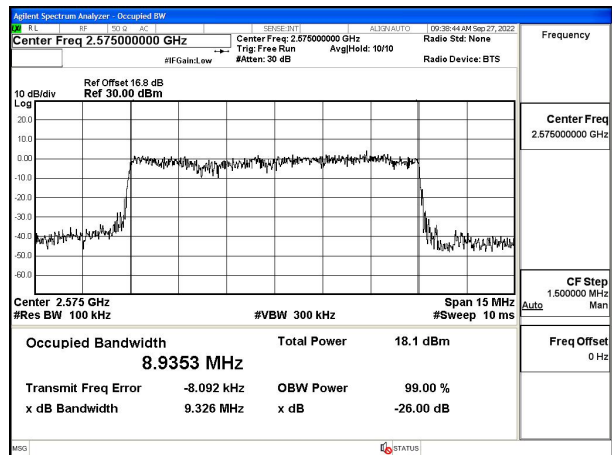


Fig.13

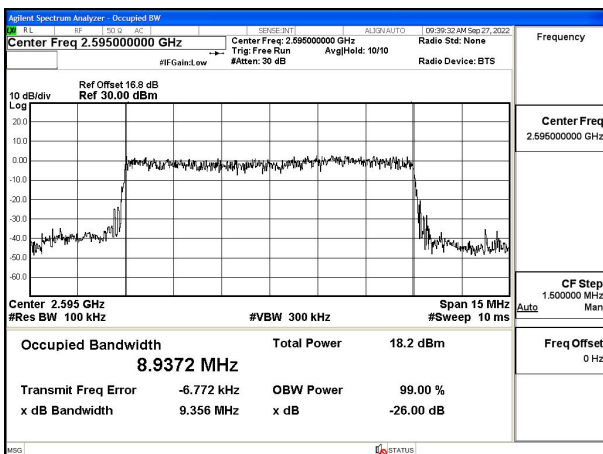


Fig.14

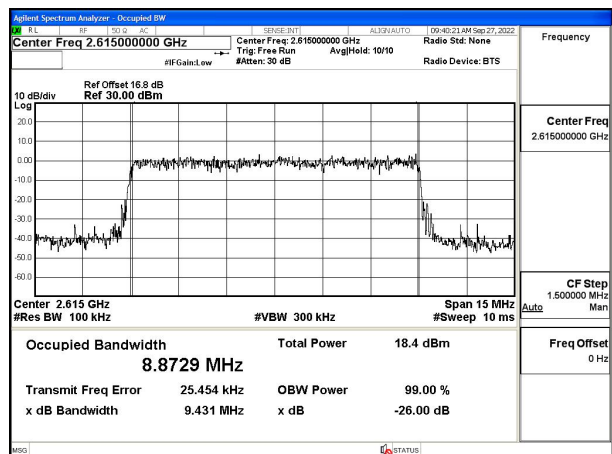


Fig.15