

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	23.39
QPSK	2572.5	37775	5	1	12	23.43
QPSK	2572.5	37775	5	1	24	23.23
QPSK	2572.5	37775	5	12	0	22.51
QPSK	2572.5	37775	5	12	7	22.49
QPSK	2572.5	37775	5	12	13	22.44
QPSK	2572.5	37775	5	25	0	22.51
QPSK	2595	38000	5	1	0	23.00
QPSK	2595	38000	5	1	12	23.02
QPSK	2595	38000	5	1	24	22.96
QPSK	2595	38000	5	12	0	22.09
QPSK	2595	38000	5	12	7	22.05
QPSK	2595	38000	5	12	13	22.09
QPSK	2595	38000	5	25	0	22.16
QPSK	2617.5	38225	5	1	0	23.11
QPSK	2617.5	38225	5	1	12	23.18
QPSK	2617.5	38225	5	1	24	23.13
QPSK	2617.5	38225	5	12	0	22.27
QPSK	2617.5	38225	5	12	7	22.33
QPSK	2617.5	38225	5	12	13	22.27
QPSK	2617.5	38225	5	25	0	22.27

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2572.5	37775	5	1	0	22.63
16QAM	2572.5	37775	5	1	12	22.66
16QAM	2572.5	37775	5	1	24	22.54
16QAM	2572.5	37775	5	12	0	21.54
16QAM	2572.5	37775	5	12	7	21.55
16QAM	2572.5	37775	5	12	13	21.53
16QAM	2572.5	37775	5	25	0	21.52
16QAM	2595	38000	5	1	0	22.21
16QAM	2595	38000	5	1	12	22.23
16QAM	2595	38000	5	1	24	22.18
16QAM	2595	38000	5	12	0	21.19
16QAM	2595	38000	5	12	7	21.25
16QAM	2595	38000	5	12	13	21.20
16QAM	2595	38000	5	25	0	21.16
16QAM	2617.5	38225	5	1	0	22.28
16QAM	2617.5	38225	5	1	12	22.39
16QAM	2617.5	38225	5	1	24	22.35
16QAM	2617.5	38225	5	12	0	21.37
16QAM	2617.5	38225	5	12	7	21.38
16QAM	2617.5	38225	5	12	13	21.42
16QAM	2617.5	38225	5	25	0	21.34
64QAM	2572.5	37775	5	1	0	21.46
64QAM	2572.5	37775	5	1	12	21.46
64QAM	2572.5	37775	5	1	24	21.27
64QAM	2572.5	37775	5	12	0	20.66
64QAM	2572.5	37775	5	12	7	20.59
64QAM	2572.5	37775	5	12	13	20.48
64QAM	2572.5	37775	5	25	0	20.55
64QAM	2595	38000	5	1	0	21.02
64QAM	2595	38000	5	1	12	21.08
64QAM	2595	38000	5	1	24	20.90
64QAM	2595	38000	5	12	0	20.18
64QAM	2595	38000	5	12	7	20.20
64QAM	2595	38000	5	12	13	20.20
64QAM	2595	38000	5	25	0	20.26
64QAM	2617.5	38225	5	1	0	21.15
64QAM	2617.5	38225	5	1	12	21.24
64QAM	2617.5	38225	5	1	24	21.16
64QAM	2617.5	38225	5	12	0	20.41
64QAM	2617.5	38225	5	12	7	20.42
64QAM	2617.5	38225	5	12	13	20.44
64QAM	2617.5	38225	5	25	0	20.43

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2575	37800	10	1	0	23.46
QPSK	2575	37800	10	1	25	23.52
QPSK	2575	37800	10	1	49	23.27
QPSK	2575	37800	10	25	0	22.45
QPSK	2575	37800	10	25	12	22.53
QPSK	2575	37800	10	25	25	22.39
QPSK	2575	37800	10	50	0	22.49
QPSK	2595	38000	10	1	0	23.15
QPSK	2595	38000	10	1	25	23.09
QPSK	2595	38000	10	1	49	23.02
QPSK	2595	38000	10	25	0	22.13
QPSK	2595	38000	10	25	12	22.18
QPSK	2595	38000	10	25	25	22.16
QPSK	2595	38000	10	50	0	22.25
QPSK	2615	38200	10	1	0	23.14
QPSK	2615	38200	10	1	25	23.24
QPSK	2615	38200	10	1	49	23.17
QPSK	2615	38200	10	25	0	22.22
QPSK	2615	38200	10	25	12	22.35
QPSK	2615	38200	10	25	25	22.32
QPSK	2615	38200	10	50	0	22.30

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2575	37800	10	1	0	22.76
16QAM	2575	37800	10	1	25	22.73
16QAM	2575	37800	10	1	49	22.52
16QAM	2575	37800	10	25	0	21.61
16QAM	2575	37800	10	25	12	21.58
16QAM	2575	37800	10	25	25	21.48
16QAM	2575	37800	10	50	0	21.61
16QAM	2595	38000	10	1	0	22.38
16QAM	2595	38000	10	1	25	22.41
16QAM	2595	38000	10	1	49	22.24
16QAM	2595	38000	10	25	0	21.16
16QAM	2595	38000	10	25	12	21.20
16QAM	2595	38000	10	25	25	21.19
16QAM	2595	38000	10	50	0	21.29
16QAM	2615	38200	10	1	0	22.36
16QAM	2615	38200	10	1	25	22.43
16QAM	2615	38200	10	1	49	22.43
16QAM	2615	38200	10	25	0	21.26
16QAM	2615	38200	10	25	12	21.34
16QAM	2615	38200	10	25	25	21.37
16QAM	2615	38200	10	50	0	21.34
64QAM	2575	37800	10	1	0	21.53
64QAM	2575	37800	10	1	25	21.53
64QAM	2575	37800	10	1	49	21.35
64QAM	2575	37800	10	25	0	20.62
64QAM	2575	37800	10	25	12	20.64
64QAM	2575	37800	10	25	25	20.63
64QAM	2575	37800	10	50	0	20.59
64QAM	2595	38000	10	1	0	21.19
64QAM	2595	38000	10	1	25	21.17
64QAM	2595	38000	10	1	49	21.07
64QAM	2595	38000	10	25	0	20.27
64QAM	2595	38000	10	25	12	20.30
64QAM	2595	38000	10	25	25	20.32
64QAM	2595	38000	10	50	0	20.28
64QAM	2615	38200	10	1	0	21.11
64QAM	2615	38200	10	1	25	21.34
64QAM	2615	38200	10	1	49	21.23
64QAM	2615	38200	10	25	0	20.26
64QAM	2615	38200	10	25	12	20.44
64QAM	2615	38200	10	25	25	20.43
64QAM	2615	38200	10	50	0	20.50

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2577.5	37825	15	1	0	23.43
QPSK	2577.5	37825	15	1	37	23.36
QPSK	2577.5	37825	15	1	74	23.10
QPSK	2577.5	37825	15	36	0	22.50
QPSK	2577.5	37825	15	36	29	22.40
QPSK	2577.5	37825	15	36	30	22.36
QPSK	2577.5	37825	15	75	0	22.41
QPSK	2595	38000	15	1	0	23.04
QPSK	2595	38000	15	1	37	23.05
QPSK	2595	38000	15	1	74	22.93
QPSK	2595	38000	15	36	0	22.14
QPSK	2595	38000	15	36	29	22.06
QPSK	2595	38000	15	36	30	22.06
QPSK	2595	38000	15	75	0	22.11
QPSK	2612.5	38175	15	1	0	22.96
QPSK	2612.5	38175	15	1	37	23.15
QPSK	2612.5	38175	15	1	74	23.11
QPSK	2612.5	38175	15	36	0	22.11
QPSK	2612.5	38175	15	36	29	22.27
QPSK	2612.5	38175	15	36	30	22.33
QPSK	2612.5	38175	15	75	0	22.20

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2577.5	37825	15	1	0	22.71
16QAM	2577.5	37825	15	1	37	22.60
16QAM	2577.5	37825	15	1	74	22.28
16QAM	2577.5	37825	15	36	0	21.45
16QAM	2577.5	37825	15	36	29	21.36
16QAM	2577.5	37825	15	36	30	21.36
16QAM	2577.5	37825	15	75	0	21.44
16QAM	2595	38000	15	1	0	22.30
16QAM	2595	38000	15	1	37	22.27
16QAM	2595	38000	15	1	74	22.16
16QAM	2595	38000	15	36	0	21.11
16QAM	2595	38000	15	36	29	21.18
16QAM	2595	38000	15	36	30	21.11
16QAM	2595	38000	15	75	0	21.25
16QAM	2612.5	38175	15	1	0	22.23
16QAM	2612.5	38175	15	1	37	22.41
16QAM	2612.5	38175	15	1	74	22.28
16QAM	2612.5	38175	15	36	0	21.22
16QAM	2612.5	38175	15	36	29	21.25
16QAM	2612.5	38175	15	36	30	21.28
16QAM	2612.5	38175	15	75	0	21.24
64QAM	2577.5	37825	15	1	0	21.48
64QAM	2577.5	37825	15	1	37	21.45
64QAM	2577.5	37825	15	1	74	21.19
64QAM	2577.5	37825	15	36	0	20.56
64QAM	2577.5	37825	15	36	29	20.44
64QAM	2577.5	37825	15	36	30	20.47
64QAM	2577.5	37825	15	75	0	20.41
64QAM	2595	38000	15	1	0	21.11
64QAM	2595	38000	15	1	37	21.11
64QAM	2595	38000	15	1	74	20.93
64QAM	2595	38000	15	36	0	20.20
64QAM	2595	38000	15	36	29	20.10
64QAM	2595	38000	15	36	30	20.11
64QAM	2595	38000	15	75	0	20.18
64QAM	2612.5	38175	15	1	0	21.02
64QAM	2612.5	38175	15	1	37	21.22
64QAM	2612.5	38175	15	1	74	21.21
64QAM	2612.5	38175	15	36	0	20.28
64QAM	2612.5	38175	15	36	29	20.23
64QAM	2612.5	38175	15	36	30	20.25
64QAM	2612.5	38175	15	75	0	20.29

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2580	37850	20	1	0	23.26
QPSK	2580	37850	20	1	49	23.30
QPSK	2580	37850	20	1	99	22.76
QPSK	2580	37850	20	50	0	22.45
QPSK	2580	37850	20	50	24	22.41
QPSK	2580	37850	20	50	50	22.23
QPSK	2580	37850	20	100	0	22.38
QPSK	2595	38000	20	1	0	23.01
QPSK	2595	38000	20	1	49	23.01
QPSK	2595	38000	20	1	99	22.71
QPSK	2595	38000	20	50	0	22.18
QPSK	2595	38000	20	50	24	22.11
QPSK	2595	38000	20	50	50	22.03
QPSK	2595	38000	20	100	0	22.10
QPSK	2610	38150	20	1	0	22.82
QPSK	2610	38150	20	1	49	23.07
QPSK	2610	38150	20	1	99	22.93
QPSK	2610	38150	20	50	0	22.14
QPSK	2610	38150	20	50	24	22.17
QPSK	2610	38150	20	50	50	22.24
QPSK	2610	38150	20	100	0	22.23

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2580	37850	20	1	0	22.57
16QAM	2580	37850	20	1	49	22.55
16QAM	2580	37850	20	1	99	21.98
16QAM	2580	37850	20	50	0	21.55
16QAM	2580	37850	20	50	24	21.43
16QAM	2580	37850	20	50	50	21.28
16QAM	2580	37850	20	100	0	21.41
16QAM	2595	38000	20	1	0	22.23
16QAM	2595	38000	20	1	49	22.28
16QAM	2595	38000	20	1	99	22.00
16QAM	2595	38000	20	50	0	21.08
16QAM	2595	38000	20	50	24	21.14
16QAM	2595	38000	20	50	50	21.11
16QAM	2595	38000	20	100	0	21.20
16QAM	2610	38150	20	1	0	22.13
16QAM	2610	38150	20	1	49	22.37
16QAM	2610	38150	20	1	99	22.17
16QAM	2610	38150	20	50	0	21.18
16QAM	2610	38150	20	50	24	21.27
16QAM	2610	38150	20	50	50	21.23
16QAM	2610	38150	20	100	0	21.18
64QAM	2580	37850	20	1	0	21.39
64QAM	2580	37850	20	1	49	21.42
64QAM	2580	37850	20	1	99	20.90
64QAM	2580	37850	20	50	0	20.54
64QAM	2580	37850	20	50	24	20.37
64QAM	2580	37850	20	50	50	20.24
64QAM	2580	37850	20	100	0	20.31
64QAM	2595	38000	20	1	0	20.97
64QAM	2595	38000	20	1	49	21.14
64QAM	2595	38000	20	1	99	20.76
64QAM	2595	38000	20	50	0	20.18
64QAM	2595	38000	20	50	24	20.16
64QAM	2595	38000	20	50	50	20.25
64QAM	2595	38000	20	100	0	20.26
64QAM	2610	38150	20	1	0	20.94
64QAM	2610	38150	20	1	49	21.21
64QAM	2610	38150	20	1	99	21.03
64QAM	2610	38150	20	50	0	20.15
64QAM	2610	38150	20	50	24	20.30
64QAM	2610	38150	20	50	50	20.29
64QAM	2610	38150	20	100	0	20.17

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	4.430	Fig.1
38	QPSK	2595	38000	5	25	0	4.490	Fig.2
38	QPSK	2617.5	38225	5	25	0	4.450	Fig.3
38	QPSK	2575	37800	10	50	0	8.870	Fig.4
38	QPSK	2595	38000	10	50	0	8.940	Fig.5
38	QPSK	2615	38200	10	50	0	8.880	Fig.6
38	QPSK	2577.5	37825	15	75	0	13.150	Fig.7
38	QPSK	2595	38000	15	75	0	13.280	Fig.8
38	QPSK	2612.5	38175	15	75	0	13.410	Fig.9
38	QPSK	2580	37850	20	100	0	17.750	Fig.10
38	QPSK	2595	38000	20	100	0	17.750	Fig.11
38	QPSK	2610	38150	20	100	0	17.750	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	4.430	Fig.13
38	16QAM	2595	38000	5	25	0	4.450	Fig.14
38	16QAM	2617.5	38225	5	25	0	4.440	Fig.15
38	16QAM	2575	37800	10	50	0	8.870	Fig.16
38	16QAM	2595	38000	10	50	0	8.860	Fig.17
38	16QAM	2615	38200	10	50	0	8.880	Fig.18
38	16QAM	2577.5	37825	15	75	0	13.310	Fig.19
38	16QAM	2595	38000	15	75	0	13.360	Fig.20
38	16QAM	2612.5	38175	15	75	0	13.400	Fig.21
38	16QAM	2580	37850	20	100	0	17.800	Fig.22
38	16QAM	2595	38000	20	100	0	17.790	Fig.23
38	16QAM	2610	38150	20	100	0	17.860	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	4.440	Fig.26
38	64QAM	2617.5	38225	5	25	0	4.480	Fig.27
38	64QAM	2575	37800	10	50	0	8.930	Fig.28
38	64QAM	2595	38000	10	50	0	8.920	Fig.29
38	64QAM	2615	38200	10	50	0	8.880	Fig.30
38	64QAM	2577.5	37825	15	75	0	13.310	Fig.31
38	64QAM	2595	38000	15	75	0	13.300	Fig.32
38	64QAM	2612.5	38175	15	75	0	13.410	Fig.33
38	64QAM	2580	37850	20	100	0	17.820	Fig.34
38	64QAM	2595	38000	20	100	0	17.790	Fig.35
38	64QAM	2610	38150	20	100	0	17.780	Fig.36

Test Mode: QPSK

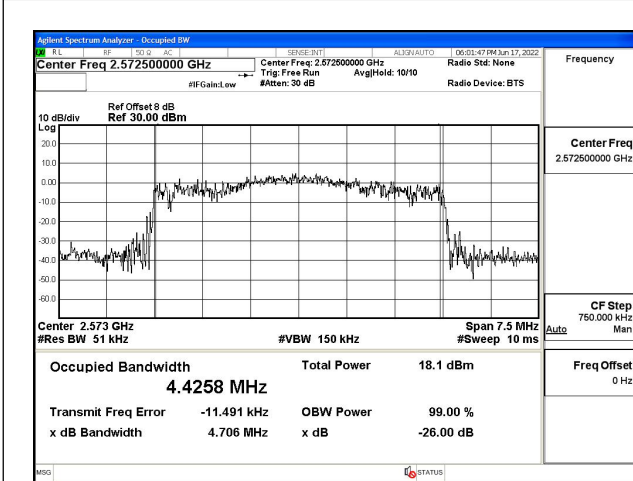


Fig.1

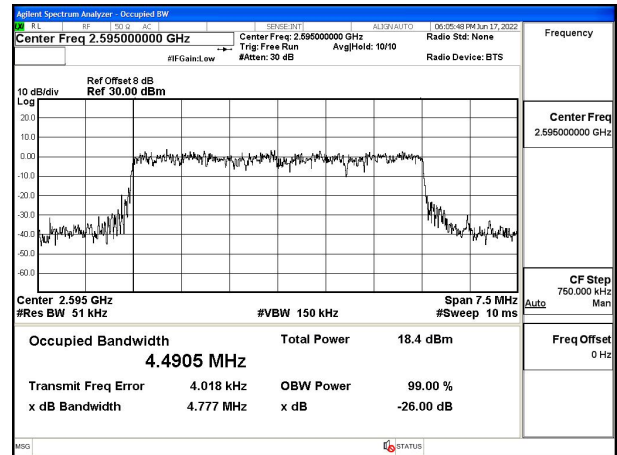


Fig.2

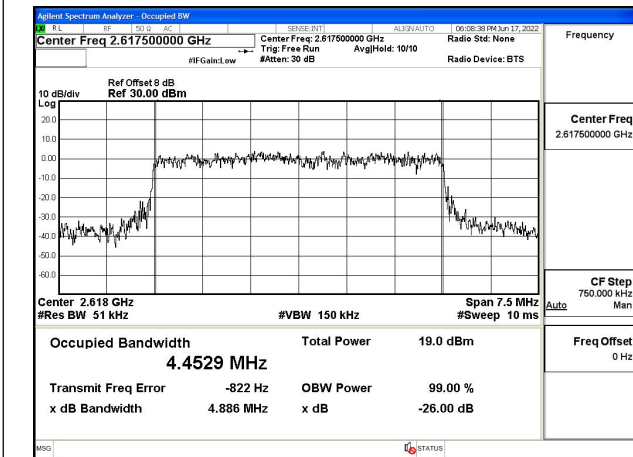


Fig.3

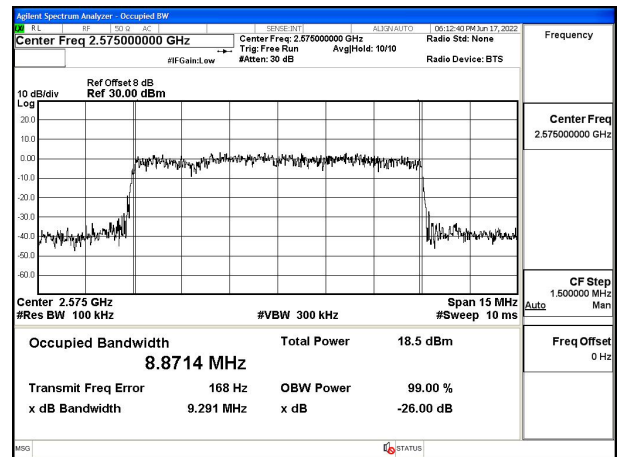


Fig.4

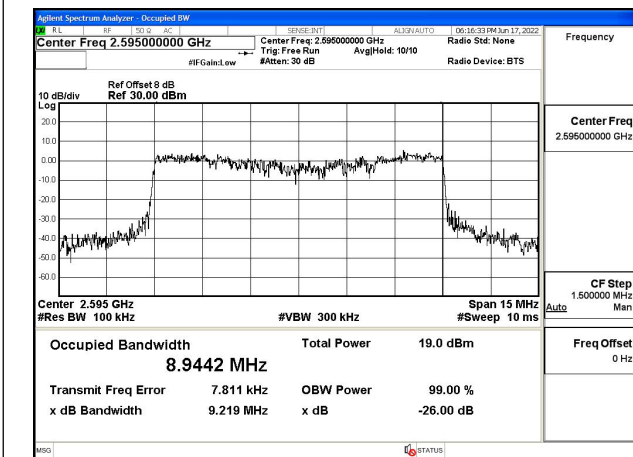


Fig.5

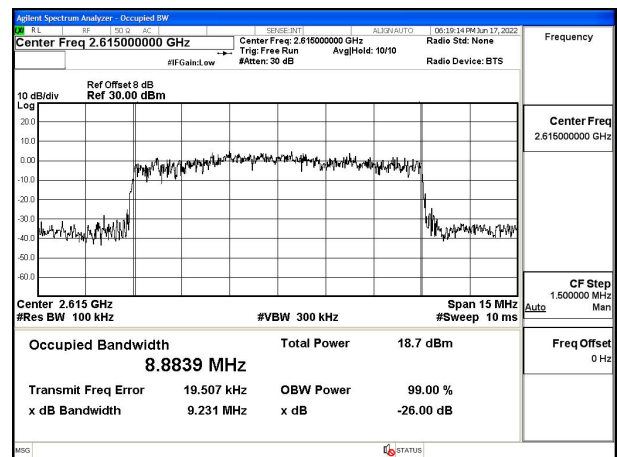


Fig.6

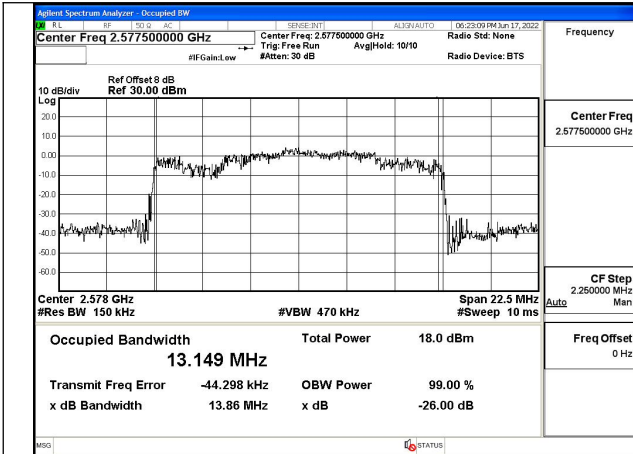


Fig.7

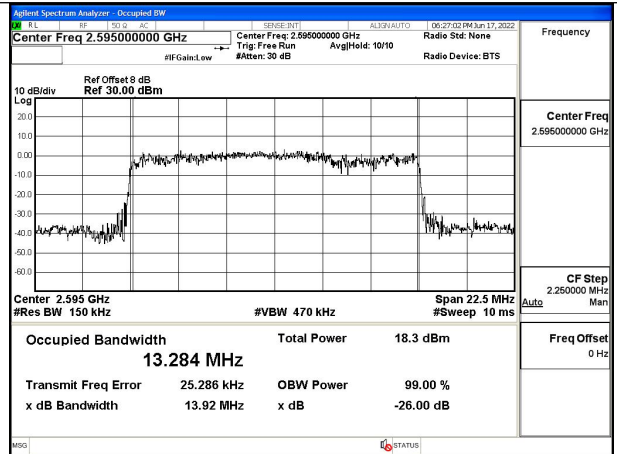


Fig.8

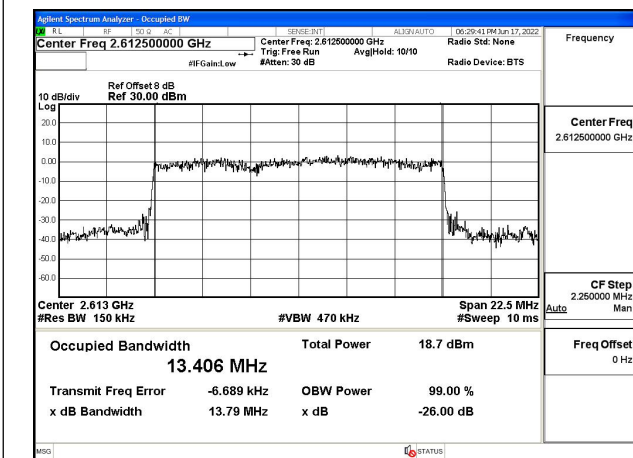


Fig.9

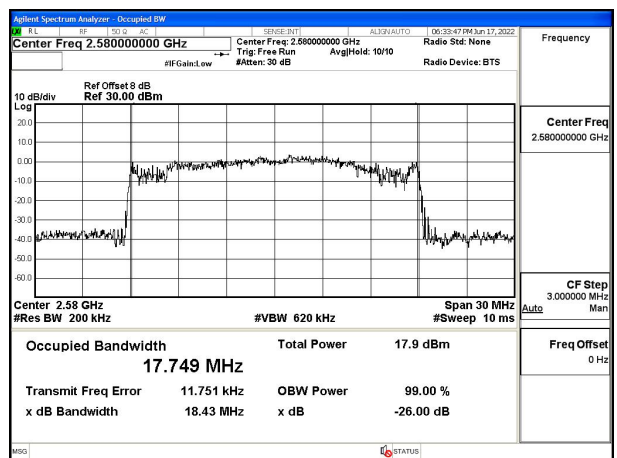


Fig.10

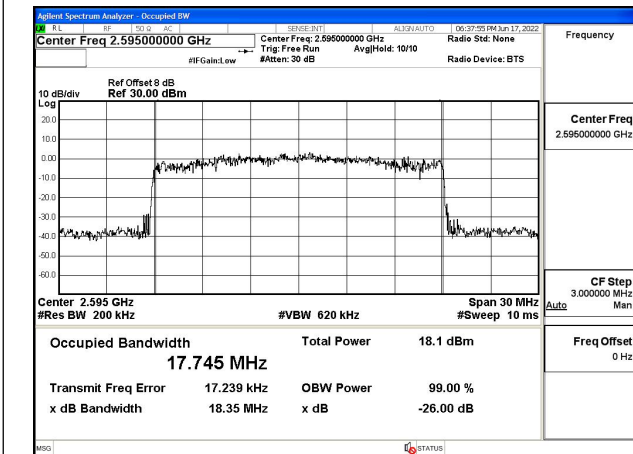


Fig.11

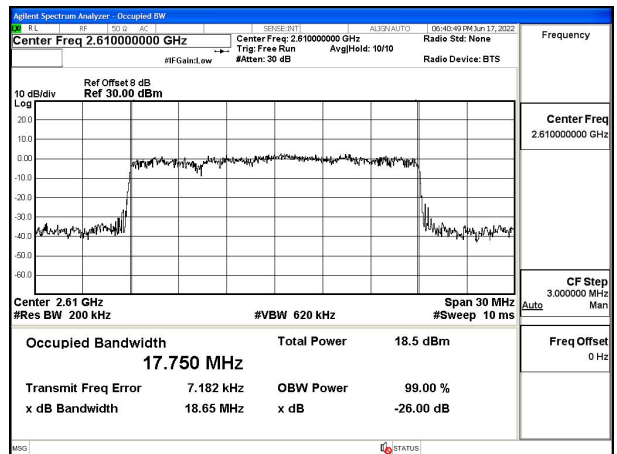


Fig.12

Test Mode: 16QAM

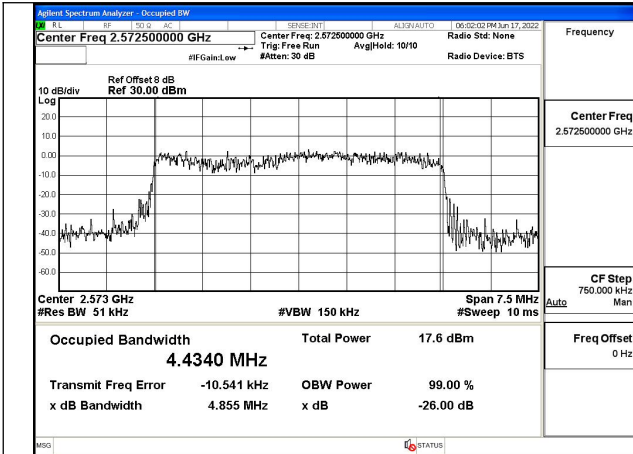


Fig.13

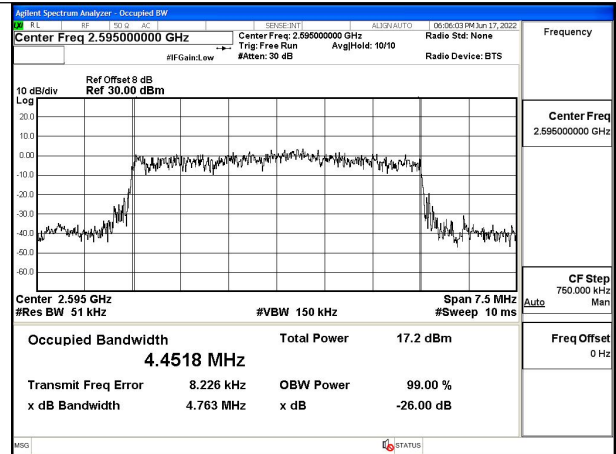


Fig.14

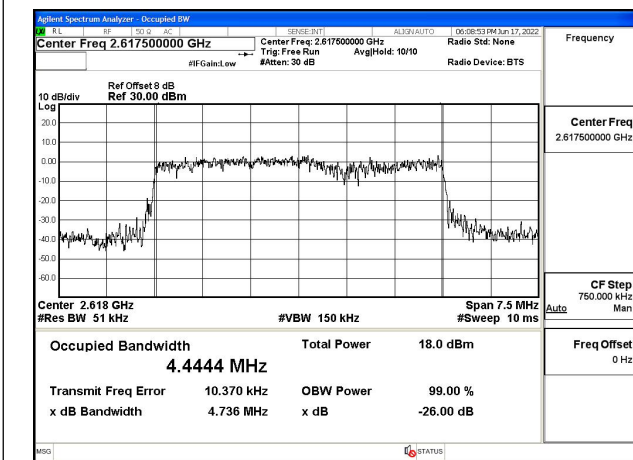


Fig.15

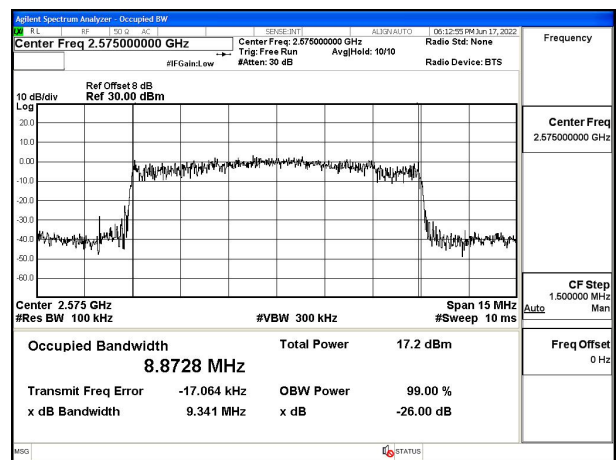


Fig.16

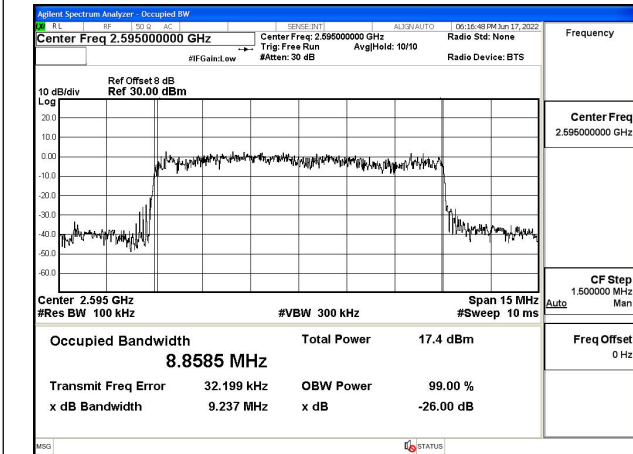


Fig.17

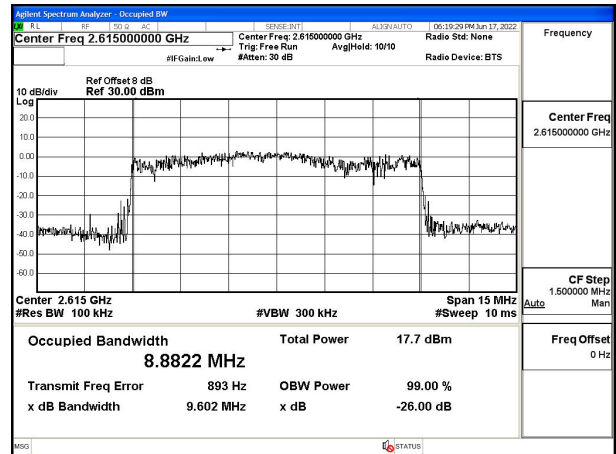


Fig.18

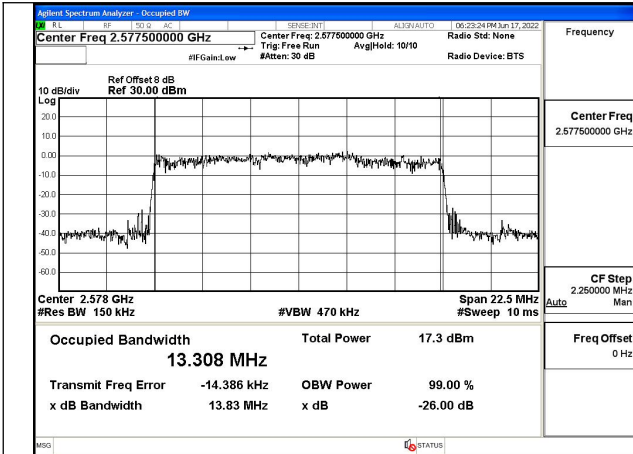


Fig.19

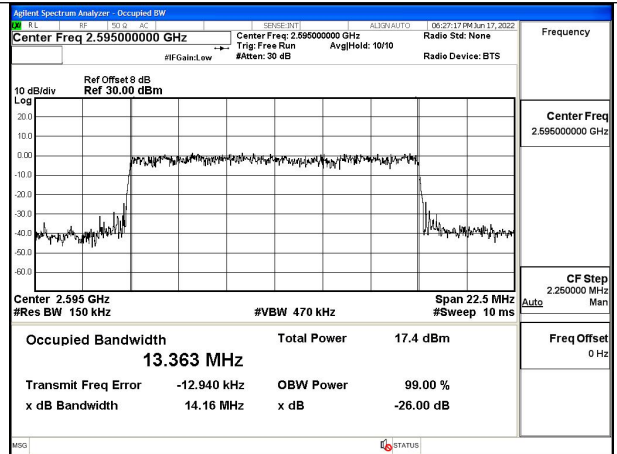


Fig.20

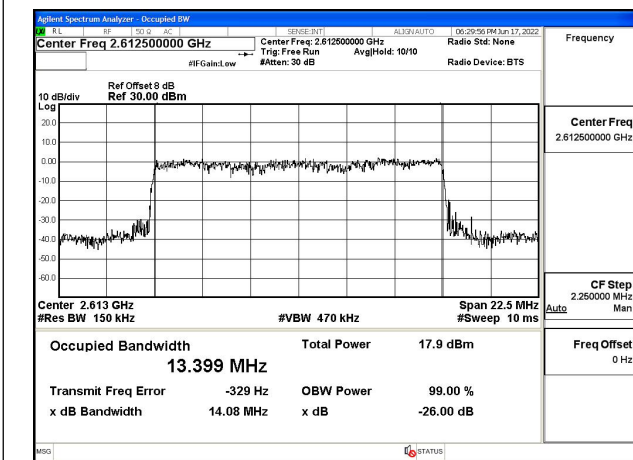


Fig.21

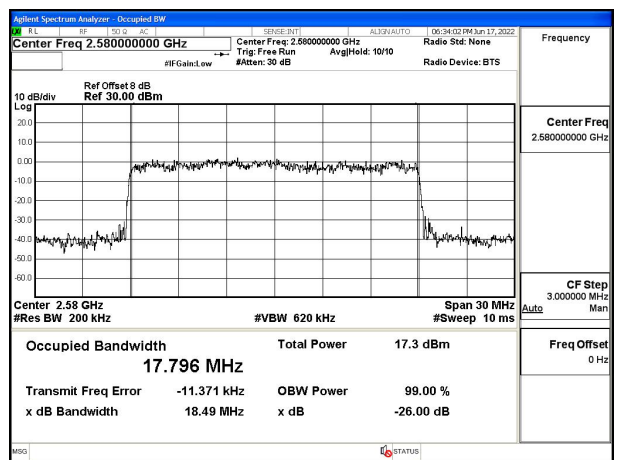


Fig.22

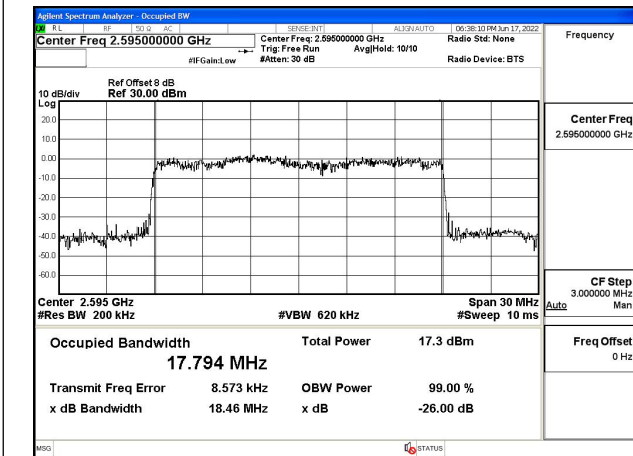


Fig.23

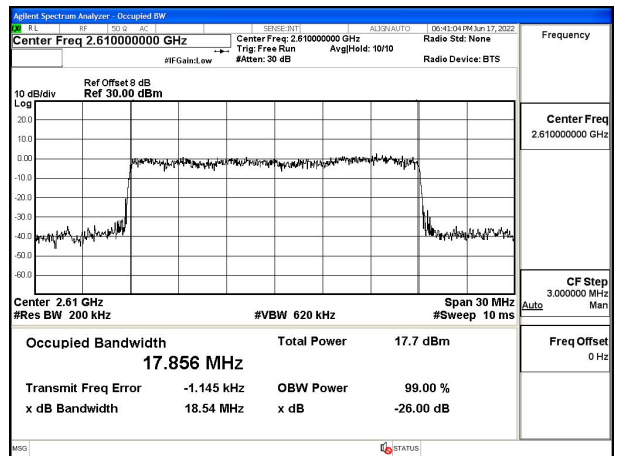


Fig.24

Test Mode: 64QAM

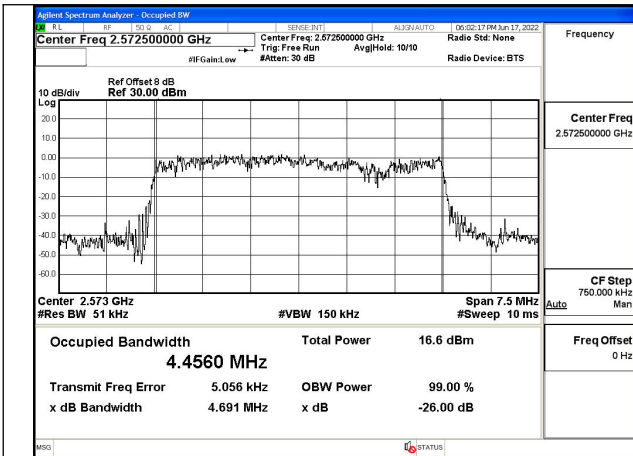


Fig.25

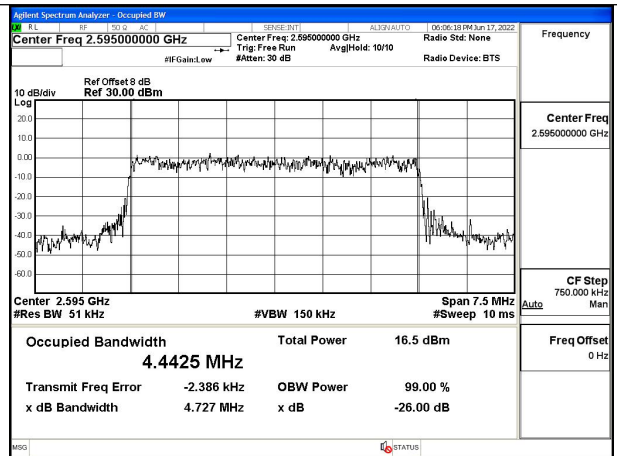


Fig.26

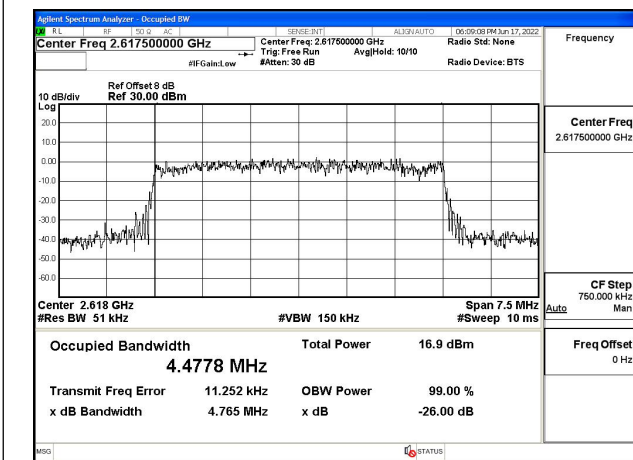


Fig.27

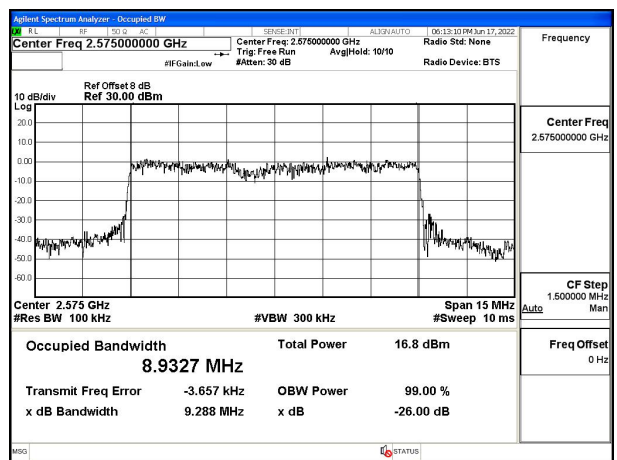


Fig.28

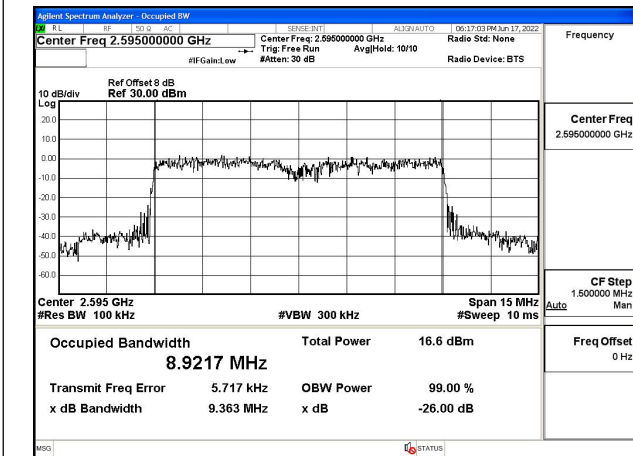


Fig.29

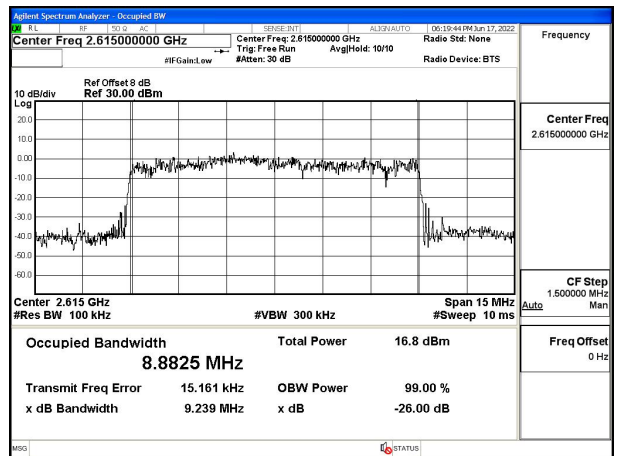


Fig.30

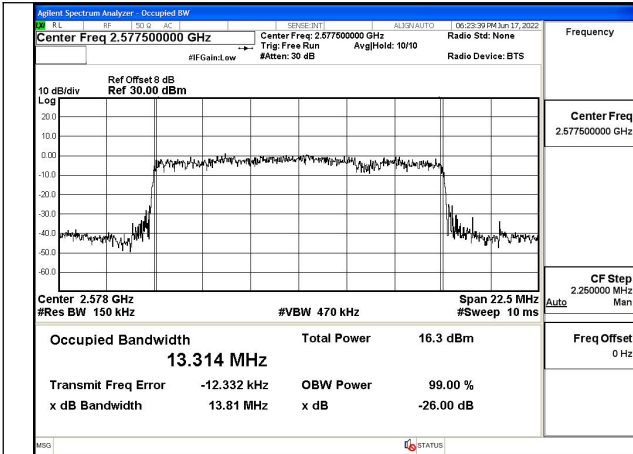


Fig.31

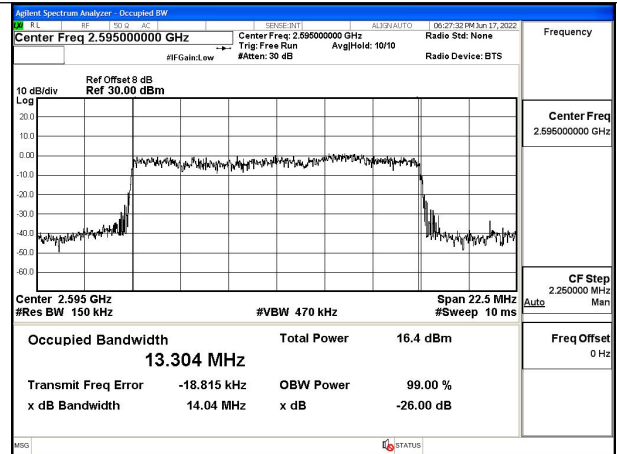


Fig.32

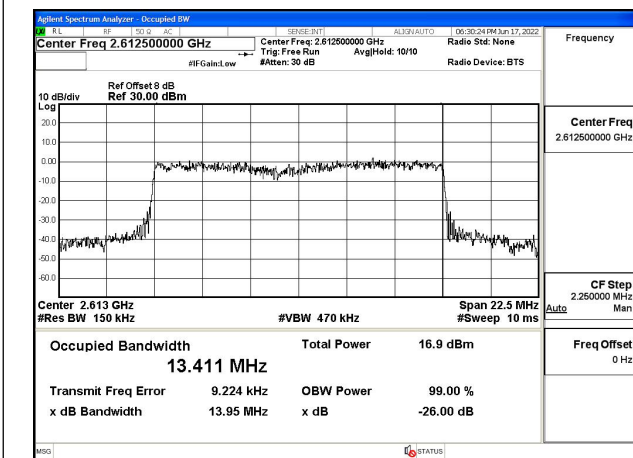


Fig.33

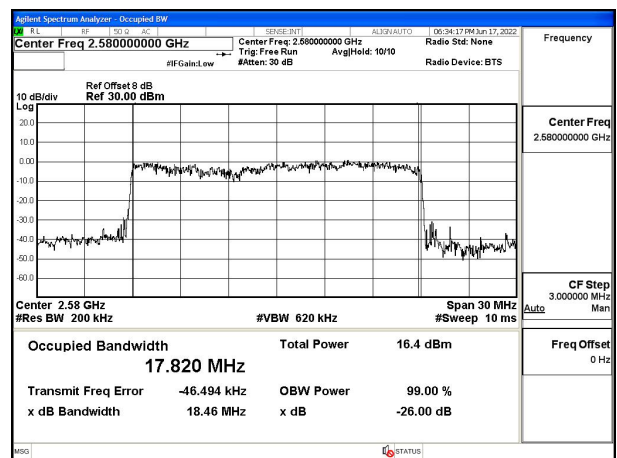


Fig.34

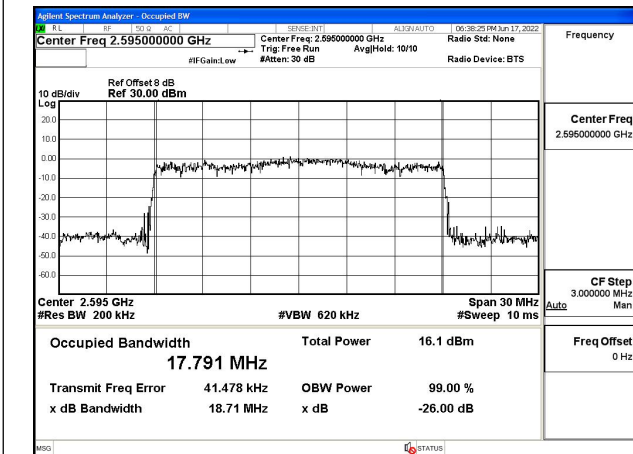


Fig.35

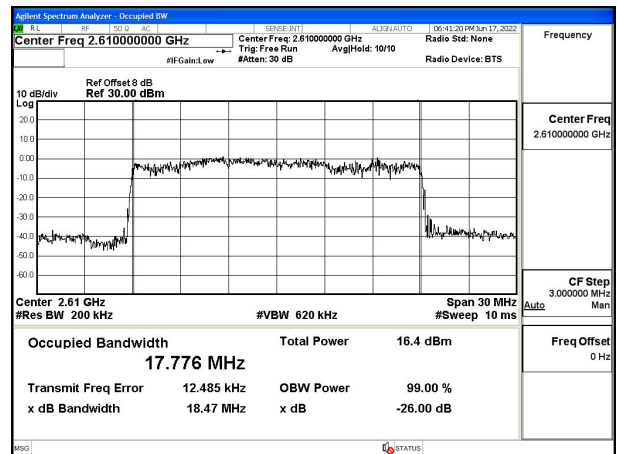


Fig.36

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	4.710	Fig.1
38	QPSK	2595	38000	5	25	0	4.780	Fig.2
38	QPSK	2617.5	38225	5	25	0	4.890	Fig.3
38	QPSK	2575	37800	10	50	0	9.290	Fig.4
38	QPSK	2595	38000	10	50	0	9.220	Fig.5
38	QPSK	2615	38200	10	50	0	9.230	Fig.6
38	QPSK	2577.5	37825	15	75	0	13.860	Fig.7
38	QPSK	2595	38000	15	75	0	13.920	Fig.8
38	QPSK	2612.5	38175	15	75	0	13.790	Fig.9
38	QPSK	2580	37850	20	100	0	18.430	Fig.10
38	QPSK	2595	38000	20	100	0	18.350	Fig.11
38	QPSK	2610	38150	20	100	0	18.650	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	4.860	Fig.13
38	16QAM	2595	38000	5	25	0	4.760	Fig.14
38	16QAM	2617.5	38225	5	25	0	4.740	Fig.15
38	16QAM	2575	37800	10	50	0	9.340	Fig.16
38	16QAM	2595	38000	10	50	0	9.240	Fig.17
38	16QAM	2615	38200	10	50	0	9.600	Fig.18
38	16QAM	2577.5	37825	15	75	0	13.830	Fig.19
38	16QAM	2595	38000	15	75	0	14.160	Fig.20
38	16QAM	2612.5	38175	15	75	0	14.080	Fig.21
38	16QAM	2580	37850	20	100	0	18.490	Fig.22
38	16QAM	2595	38000	20	100	0	18.460	Fig.23
38	16QAM	2610	38150	20	100	0	18.540	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	4.690	Fig.25
38	64QAM	2595	38000	5	25	0	4.730	Fig.26
38	64QAM	2617.5	38225	5	25	0	4.760	Fig.27
38	64QAM	2575	37800	10	50	0	9.290	Fig.28
38	64QAM	2595	38000	10	50	0	9.360	Fig.29
38	64QAM	2615	38200	10	50	0	9.240	Fig.30
38	64QAM	2577.5	37825	15	75	0	13.810	Fig.31
38	64QAM	2595	38000	15	75	0	14.040	Fig.32
38	64QAM	2612.5	38175	15	75	0	13.950	Fig.33
38	64QAM	2580	37850	20	100	0	18.460	Fig.34
38	64QAM	2595	38000	20	100	0	18.710	Fig.35
38	64QAM	2610	38150	20	100	0	18.470	Fig.36

Test Mode: QPSK

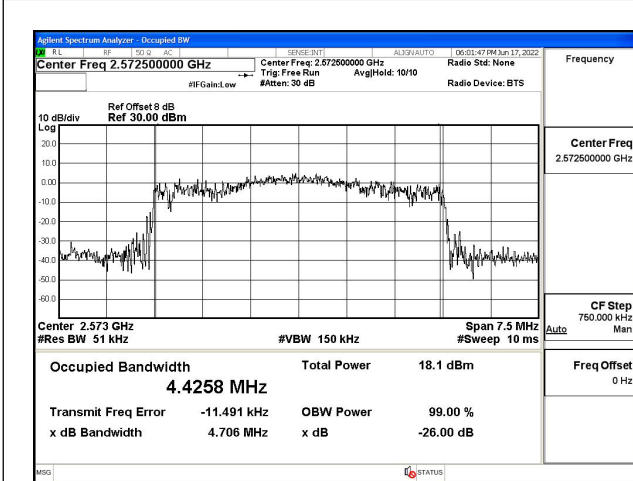


Fig.1

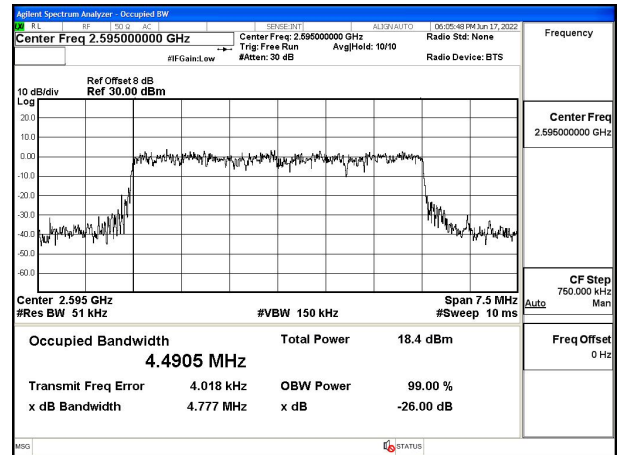


Fig.2

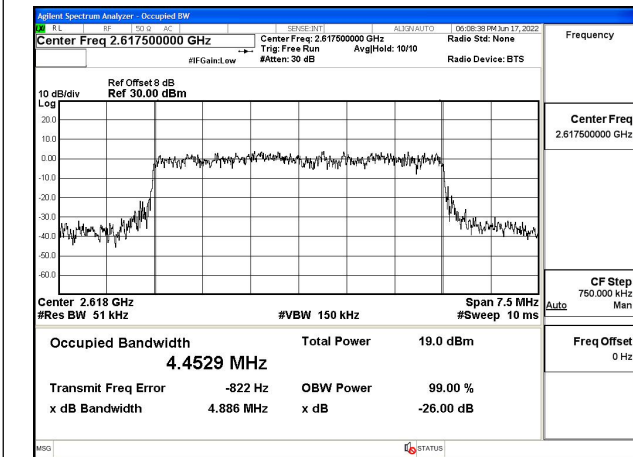


Fig.3

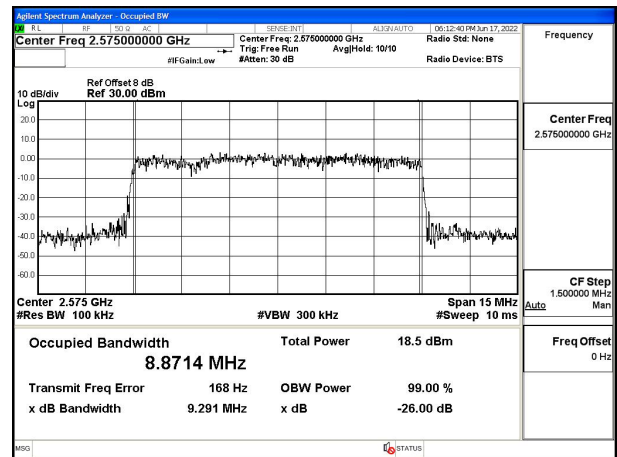


Fig.4

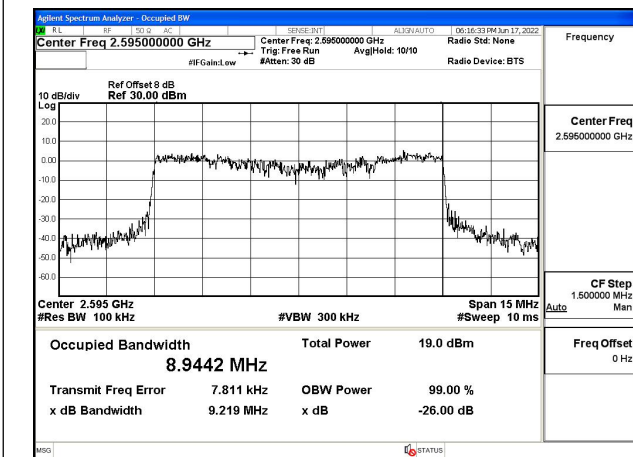


Fig.5

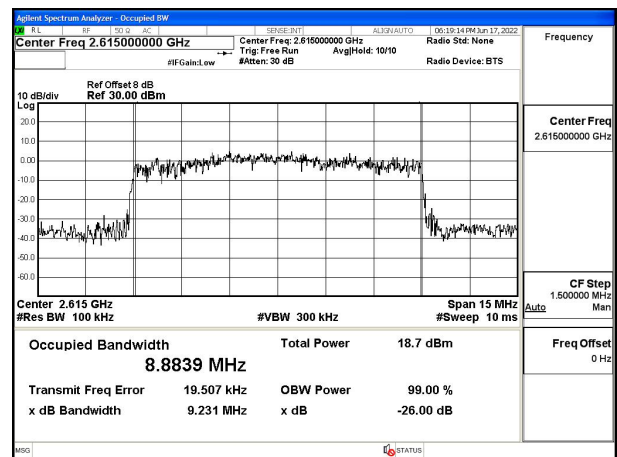


Fig.6

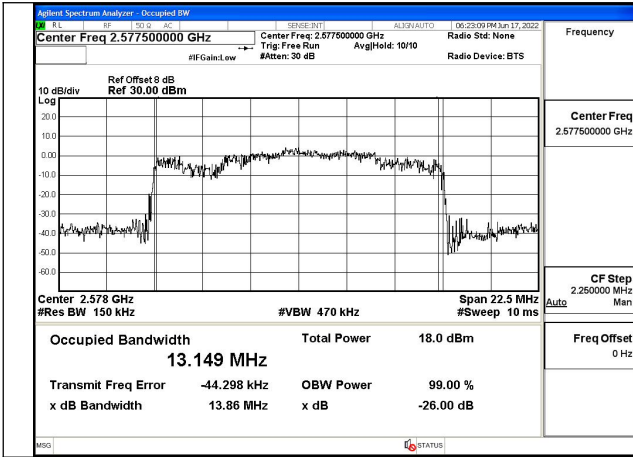


Fig.7

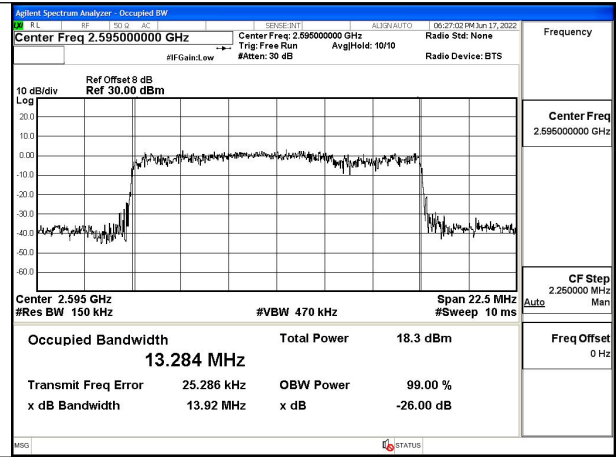


Fig.8

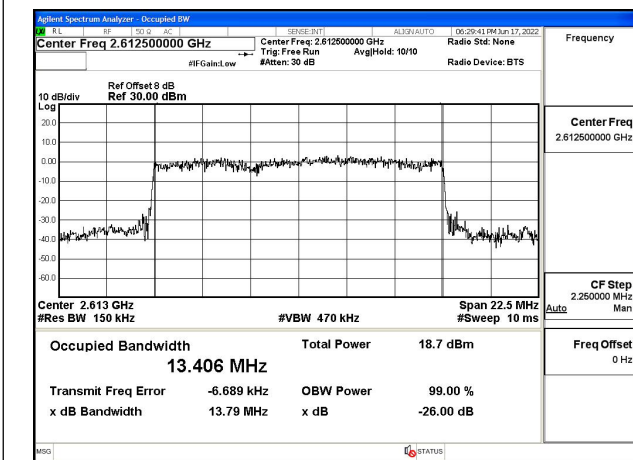


Fig.9

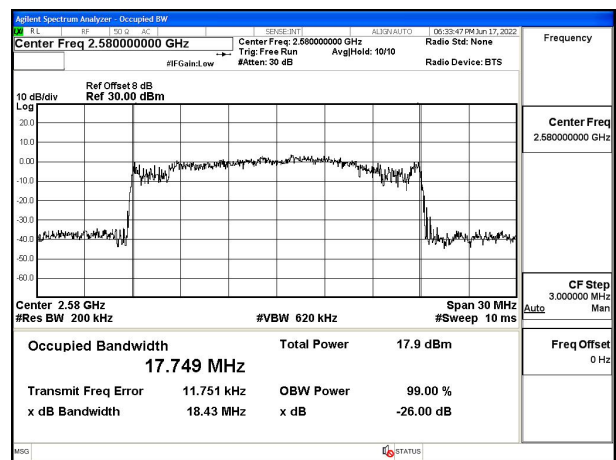


Fig.10

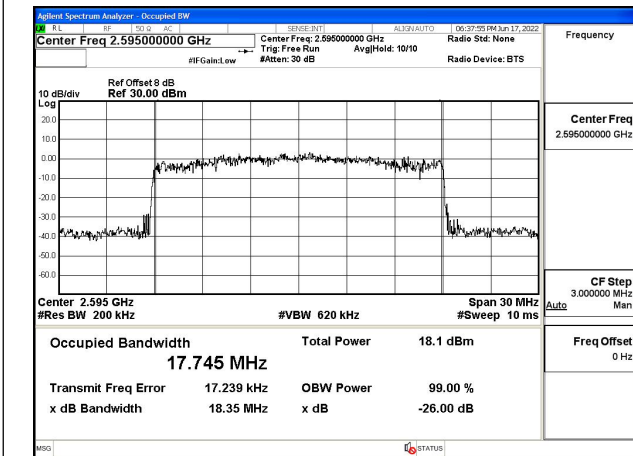


Fig.11

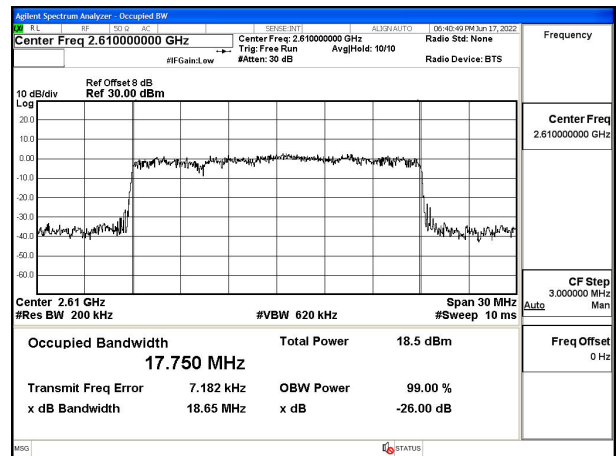


Fig.12

Test Mode: 16QAM