

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 41

1 RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2498.5	39675	5	1	0	25.18
QPSK	2498.5	39675	5	1	12	24.85
QPSK	2498.5	39675	5	1	24	24.58
QPSK	2498.5	39675	5	12	0	24.15
QPSK	2498.5	39675	5	12	7	24.11
QPSK	2498.5	39675	5	12	13	24.06
QPSK	2498.5	39675	5	25	0	24.10
QPSK	2593	40620	5	1	0	25.26
QPSK	2593	40620	5	1	12	25.38
QPSK	2593	40620	5	1	24	25.28
QPSK	2593	40620	5	12	0	24.27
QPSK	2593	40620	5	12	7	24.23
QPSK	2593	40620	5	12	13	24.28
QPSK	2593	40620	5	25	0	24.29
QPSK	2687.5	41565	5	1	0	25.30
QPSK	2687.5	41565	5	1	12	25.39
QPSK	2687.5	41565	5	1	24	25.35
QPSK	2687.5	41565	5	12	0	24.35
QPSK	2687.5	41565	5	12	7	24.35
QPSK	2687.5	41565	5	12	13	24.35
QPSK	2687.5	41565	5	25	0	24.39

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2498.5	39675	5	1	0	24.27
16QAM	2498.5	39675	5	1	12	24.29
16QAM	2498.5	39675	5	1	24	24.23
16QAM	2498.5	39675	5	12	0	23.17
16QAM	2498.5	39675	5	12	7	23.12
16QAM	2498.5	39675	5	12	13	23.09
16QAM	2498.5	39675	5	25	0	23.16
16QAM	2593	40620	5	1	0	24.47
16QAM	2593	40620	5	1	12	24.54
16QAM	2593	40620	5	1	24	24.42
16QAM	2593	40620	5	12	0	23.30
16QAM	2593	40620	5	12	7	23.28
16QAM	2593	40620	5	12	13	23.23
16QAM	2593	40620	5	25	0	23.31
16QAM	2687.5	41565	5	1	0	24.46
16QAM	2687.5	41565	5	1	12	24.51
16QAM	2687.5	41565	5	1	24	24.52
16QAM	2687.5	41565	5	12	0	23.40
16QAM	2687.5	41565	5	12	7	23.38
16QAM	2687.5	41565	5	12	13	23.36
16QAM	2687.5	41565	5	25	0	23.43
64QAM	2498.5	39675	5	1	0	23.12
64QAM	2498.5	39675	5	1	12	23.05
64QAM	2498.5	39675	5	1	24	23.02
64QAM	2498.5	39675	5	12	0	22.26
64QAM	2498.5	39675	5	12	7	22.12
64QAM	2498.5	39675	5	12	13	22.16
64QAM	2498.5	39675	5	25	0	22.16
64QAM	2593	40620	5	1	0	23.25
64QAM	2593	40620	5	1	12	23.29
64QAM	2593	40620	5	1	24	23.22
64QAM	2593	40620	5	12	0	22.29
64QAM	2593	40620	5	12	7	22.27
64QAM	2593	40620	5	12	13	22.29
64QAM	2593	40620	5	25	0	22.31
64QAM	2687.5	41565	5	1	0	23.30
64QAM	2687.5	41565	5	1	12	23.38
64QAM	2687.5	41565	5	1	24	23.31
64QAM	2687.5	41565	5	12	0	22.36
64QAM	2687.5	41565	5	12	7	22.40
64QAM	2687.5	41565	5	12	13	22.42
64QAM	2687.5	41565	5	25	0	22.46

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2501	39700	10	1	0	24.80
QPSK	2501	39700	10	1	25	24.44
QPSK	2501	39700	10	1	49	24.29
QPSK	2501	39700	10	25	0	24.14
QPSK	2501	39700	10	25	12	24.10
QPSK	2501	39700	10	25	25	24.07
QPSK	2501	39700	10	50	0	24.14
QPSK	2593	40620	10	1	0	25.34
QPSK	2593	40620	10	1	25	25.34
QPSK	2593	40620	10	1	49	25.16
QPSK	2593	40620	10	25	0	24.22
QPSK	2593	40620	10	25	12	24.29
QPSK	2593	40620	10	25	25	24.30
QPSK	2593	40620	10	50	0	24.28
QPSK	2685	41540	10	1	0	25.26
QPSK	2685	41540	10	1	25	25.32
QPSK	2685	41540	10	1	49	25.31
QPSK	2685	41540	10	25	0	24.33
QPSK	2685	41540	10	25	12	24.36
QPSK	2685	41540	10	25	25	24.34
QPSK	2685	41540	10	50	0	24.35

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2501	39700	10	1	0	24.31
16QAM	2501	39700	10	1	25	24.24
16QAM	2501	39700	10	1	49	24.18
16QAM	2501	39700	10	25	0	23.15
16QAM	2501	39700	10	25	12	23.14
16QAM	2501	39700	10	25	25	23.15
16QAM	2501	39700	10	50	0	23.13
16QAM	2593	40620	10	1	0	24.50
16QAM	2593	40620	10	1	25	24.46
16QAM	2593	40620	10	1	49	24.32
16QAM	2593	40620	10	25	0	23.26
16QAM	2593	40620	10	25	12	23.24
16QAM	2593	40620	10	25	25	23.28
16QAM	2593	40620	10	50	0	23.29
16QAM	2685	41540	10	1	0	24.45
16QAM	2685	41540	10	1	25	24.51
16QAM	2685	41540	10	1	49	24.49
16QAM	2685	41540	10	25	0	23.36
16QAM	2685	41540	10	25	12	23.37
16QAM	2685	41540	10	25	25	23.41
16QAM	2685	41540	10	50	0	23.40
64QAM	2501	39700	10	1	0	23.05
64QAM	2501	39700	10	1	25	23.00
64QAM	2501	39700	10	1	49	23.01
64QAM	2501	39700	10	25	0	22.16
64QAM	2501	39700	10	25	12	22.15
64QAM	2501	39700	10	25	25	22.19
64QAM	2501	39700	10	50	0	22.19
64QAM	2593	40620	10	1	0	23.21
64QAM	2593	40620	10	1	25	23.23
64QAM	2593	40620	10	1	49	23.11
64QAM	2593	40620	10	25	0	22.26
64QAM	2593	40620	10	25	12	22.33
64QAM	2593	40620	10	25	25	22.35
64QAM	2593	40620	10	50	0	22.23
64QAM	2685	41540	10	1	0	23.23
64QAM	2685	41540	10	1	25	23.33
64QAM	2685	41540	10	1	49	23.24
64QAM	2685	41540	10	25	0	22.40
64QAM	2685	41540	10	25	12	22.43
64QAM	2685	41540	10	25	25	22.43
64QAM	2685	41540	10	50	0	22.35

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2503.5	39725	15	1	0	24.84
QPSK	2503.5	39725	15	1	37	24.35
QPSK	2503.5	39725	15	1	74	24.40
QPSK	2503.5	39725	15	36	0	24.08
QPSK	2503.5	39725	15	36	29	24.08
QPSK	2503.5	39725	15	36	30	24.01
QPSK	2503.5	39725	15	75	0	24.09
QPSK	2593	40620	15	1	0	25.28
QPSK	2593	40620	15	1	37	25.29
QPSK	2593	40620	15	1	74	25.13
QPSK	2593	40620	15	36	0	24.21
QPSK	2593	40620	15	36	29	24.22
QPSK	2593	40620	15	36	30	24.24
QPSK	2593	40620	15	75	0	24.24
QPSK	2682.5	41515	15	1	0	25.21
QPSK	2682.5	41515	15	1	37	25.20
QPSK	2682.5	41515	15	1	74	25.29
QPSK	2682.5	41515	15	36	0	24.26
QPSK	2682.5	41515	15	36	29	24.31
QPSK	2682.5	41515	15	36	30	24.32
QPSK	2682.5	41515	15	75	0	24.34

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2503.5	39725	15	1	0	24.36
16QAM	2503.5	39725	15	1	37	24.24
16QAM	2503.5	39725	15	1	74	24.10
16QAM	2503.5	39725	15	36	0	23.12
16QAM	2503.5	39725	15	36	29	23.08
16QAM	2503.5	39725	15	36	30	23.02
16QAM	2503.5	39725	15	75	0	23.05
16QAM	2593	40620	15	1	0	24.47
16QAM	2593	40620	15	1	37	24.46
16QAM	2593	40620	15	1	74	24.26
16QAM	2593	40620	15	36	0	23.23
16QAM	2593	40620	15	36	29	23.23
16QAM	2593	40620	15	36	30	23.21
16QAM	2593	40620	15	75	0	23.25
16QAM	2682.5	41515	15	1	0	24.40
16QAM	2682.5	41515	15	1	37	24.42
16QAM	2682.5	41515	15	1	74	24.49
16QAM	2682.5	41515	15	36	0	23.24
16QAM	2682.5	41515	15	36	29	23.30
16QAM	2682.5	41515	15	36	30	23.29
16QAM	2682.5	41515	15	75	0	23.29
64QAM	2503.5	39725	15	1	0	23.09
64QAM	2503.5	39725	15	1	37	23.01
64QAM	2503.5	39725	15	1	74	22.90
64QAM	2503.5	39725	15	36	0	22.16
64QAM	2503.5	39725	15	36	29	22.05
64QAM	2503.5	39725	15	36	30	22.06
64QAM	2503.5	39725	15	75	0	22.15
64QAM	2593	40620	15	1	0	23.18
64QAM	2593	40620	15	1	37	23.29
64QAM	2593	40620	15	1	74	23.08
64QAM	2593	40620	15	36	0	22.20
64QAM	2593	40620	15	36	29	22.26
64QAM	2593	40620	15	36	30	22.24
64QAM	2593	40620	15	75	0	22.26
64QAM	2682.5	41515	15	1	0	23.20
64QAM	2682.5	41515	15	1	37	23.28
64QAM	2682.5	41515	15	1	74	23.25
64QAM	2682.5	41515	15	36	0	22.26
64QAM	2682.5	41515	15	36	29	22.32
64QAM	2682.5	41515	15	36	30	22.29
64QAM	2682.5	41515	15	75	0	22.29

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2506	39750	20	1	0	24.61
QPSK	2506	39750	20	1	49	24.29
QPSK	2506	39750	20	1	99	24.28
QPSK	2506	39750	20	50	0	24.06
QPSK	2506	39750	20	50	24	24.11
QPSK	2506	39750	20	50	50	24.13
QPSK	2506	39750	20	100	0	24.14
QPSK	2593	40620	20	1	0	25.24
QPSK	2593	40620	20	1	49	25.27
QPSK	2593	40620	20	1	99	25.07
QPSK	2593	40620	20	50	0	24.29
QPSK	2593	40620	20	50	24	24.27
QPSK	2593	40620	20	50	50	24.28
QPSK	2593	40620	20	100	0	24.25
QPSK	2680	41490	20	1	0	25.18
QPSK	2680	41490	20	1	49	25.33
QPSK	2680	41490	20	1	99	25.26
QPSK	2680	41490	20	50	0	24.23
QPSK	2680	41490	20	50	24	24.36
QPSK	2680	41490	20	50	50	24.31
QPSK	2680	41490	20	100	0	24.32

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2506	39750	20	1	0	24.29
16QAM	2506	39750	20	1	49	24.33
16QAM	2506	39750	20	1	99	24.06
16QAM	2506	39750	20	50	0	23.12
16QAM	2506	39750	20	50	24	23.15
16QAM	2506	39750	20	50	50	23.13
16QAM	2506	39750	20	100	0	23.14
16QAM	2593	40620	20	1	0	24.53
16QAM	2593	40620	20	1	49	24.48
16QAM	2593	40620	20	1	99	24.21
16QAM	2593	40620	20	50	0	23.27
16QAM	2593	40620	20	50	24	23.28
16QAM	2593	40620	20	50	50	23.29
16QAM	2593	40620	20	100	0	23.28
16QAM	2680	41490	20	1	0	24.35
16QAM	2680	41490	20	1	49	24.74
16QAM	2680	41490	20	1	99	24.43
16QAM	2680	41490	20	50	0	23.33
16QAM	2680	41490	20	50	24	23.37
16QAM	2680	41490	20	50	50	23.35
16QAM	2680	41490	20	100	0	23.28
64QAM	2506	39750	20	1	0	23.11
64QAM	2506	39750	20	1	49	23.04
64QAM	2506	39750	20	1	99	22.81
64QAM	2506	39750	20	50	0	22.09
64QAM	2506	39750	20	50	24	22.14
64QAM	2506	39750	20	50	50	22.10
64QAM	2506	39750	20	100	0	22.11
64QAM	2593	40620	20	1	0	23.21
64QAM	2593	40620	20	1	49	23.14
64QAM	2593	40620	20	1	99	23.07
64QAM	2593	40620	20	50	0	22.24
64QAM	2593	40620	20	50	24	22.26
64QAM	2593	40620	20	50	50	22.22
64QAM	2593	40620	20	100	0	22.25
64QAM	2680	41490	20	1	0	23.13
64QAM	2680	41490	20	1	49	23.21
64QAM	2680	41490	20	1	99	23.22
64QAM	2680	41490	20	50	0	22.23
64QAM	2680	41490	20	50	24	22.31
64QAM	2680	41490	20	50	50	22.31
64QAM	2680	41490	20	100	0	22.28

2 Occupied Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
41	QPSK	2498.5	39675	5	25	0	4.47	Fig.1
41	QPSK	2593	40620	5	25	0	4.47	Fig.2
41	QPSK	2687.5	41565	5	25	0	4.44	Fig.3
41	QPSK	2501	39700	10	50	0	8.89	Fig.4
41	QPSK	2593	40620	10	50	0	8.91	Fig.5
41	QPSK	2685	41540	10	50	0	8.93	Fig.6
41	QPSK	2503.5	39725	15	75	0	13.22	Fig.7
41	QPSK	2593	40620	15	75	0	13.38	Fig.8
41	QPSK	2682.5	41515	15	75	0	13.31	Fig.9
41	QPSK	2506	39750	20	100	0	17.84	Fig.10
41	QPSK	2593	40620	20	100	0	17.77	Fig.11
41	QPSK	2680	41490	20	100	0	17.82	Fig.12

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
41	16QAM	2498.5	39675	5	25	0	4.44	Fig.13
41	16QAM	2593	40620	5	25	0	4.48	Fig.14
41	16QAM	2687.5	41565	5	25	0	4.46	Fig.15
41	16QAM	2501	39700	10	50	0	8.95	Fig.16
41	16QAM	2593	40620	10	50	0	8.95	Fig.17
41	16QAM	2685	41540	10	50	0	8.91	Fig.18
41	16QAM	2503.5	39725	15	75	0	13.31	Fig.19
41	16QAM	2593	40620	15	75	0	13.38	Fig.20
41	16QAM	2682.5	41515	15	75	0	13.39	Fig.21
41	16QAM	2506	39750	20	100	0	17.75	Fig.22
41	16QAM	2593	40620	20	100	0	17.83	Fig.23
41	16QAM	2680	41490	20	100	0	17.78	Fig.24

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
41	64QAM	2498.5	39675	5	25	0	4.44	Fig.25
41	64QAM	2593	40620	5	25	0	4.46	Fig.26
41	64QAM	2687.5	41565	5	25	0	4.42	Fig.27
41	64QAM	2501	39700	10	50	0	8.88	Fig.28
41	64QAM	2593	40620	10	50	0	8.95	Fig.29
41	64QAM	2685	41540	10	50	0	8.90	Fig.30
41	64QAM	2503.5	39725	15	75	0	13.35	Fig.31
41	64QAM	2593	40620	15	75	0	13.37	Fig.32
41	64QAM	2682.5	41515	15	75	0	13.33	Fig.33
41	64QAM	2506	39750	20	100	0	17.79	Fig.34
41	64QAM	2593	40620	20	100	0	17.83	Fig.35
41	64QAM	2680	41490	20	100	0	17.84	Fig.36

Test Mode: QPSK

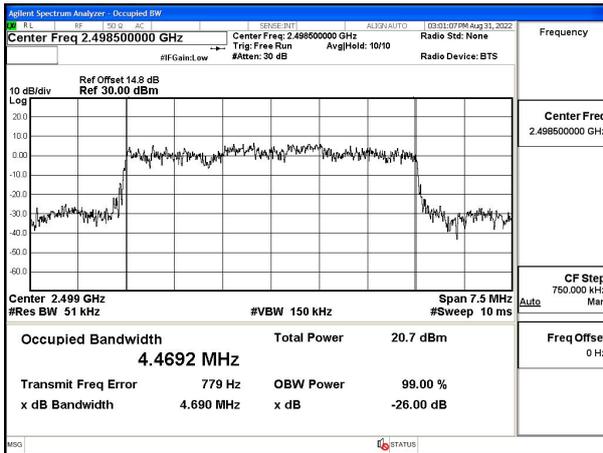


Fig.1

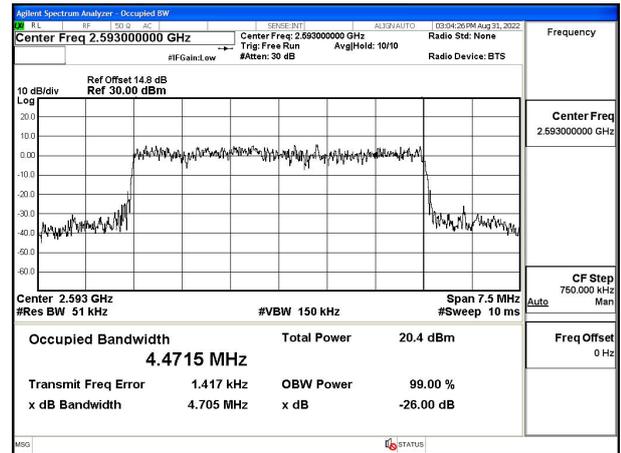


Fig.2

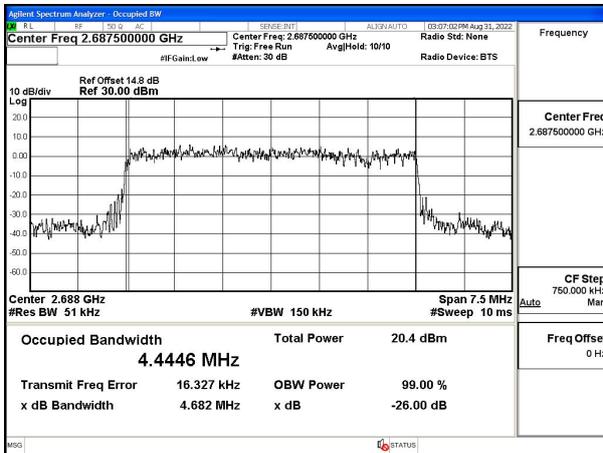


Fig.3

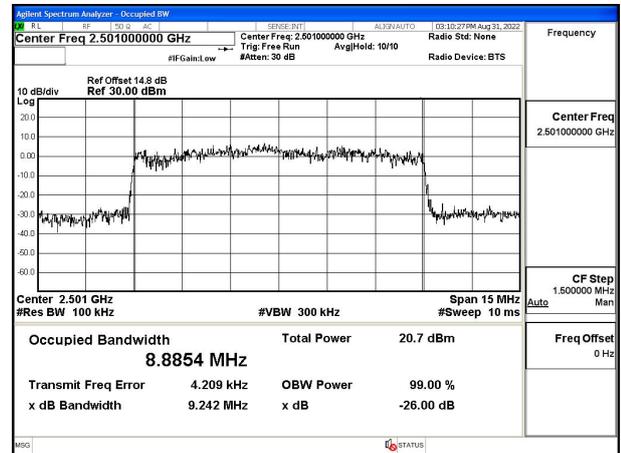


Fig.4

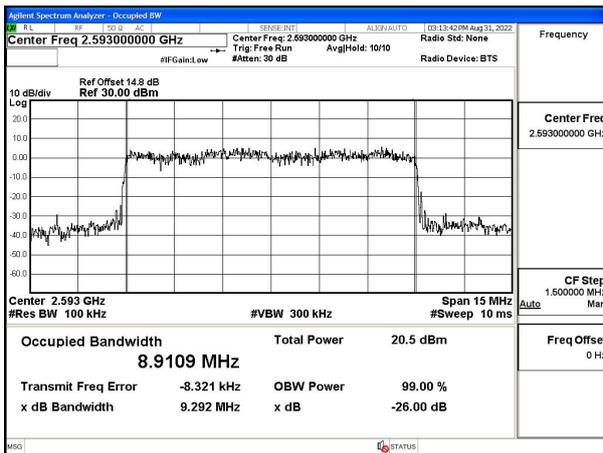


Fig.5

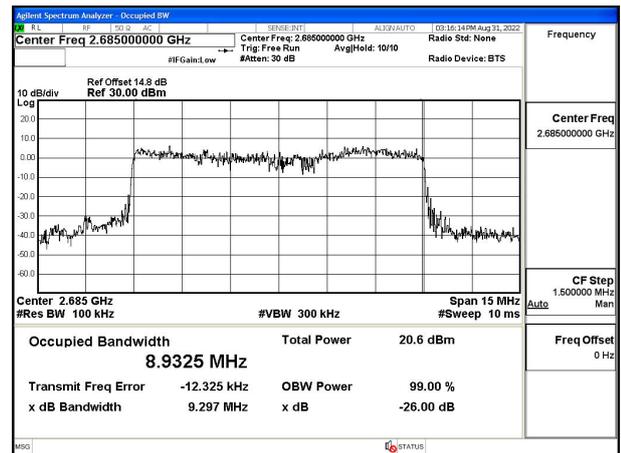


Fig.6

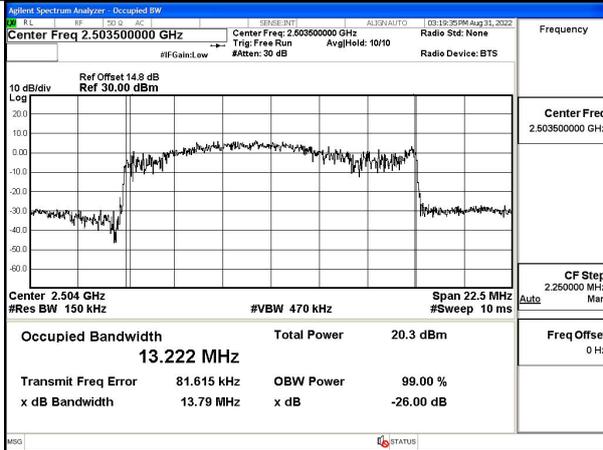


Fig.7

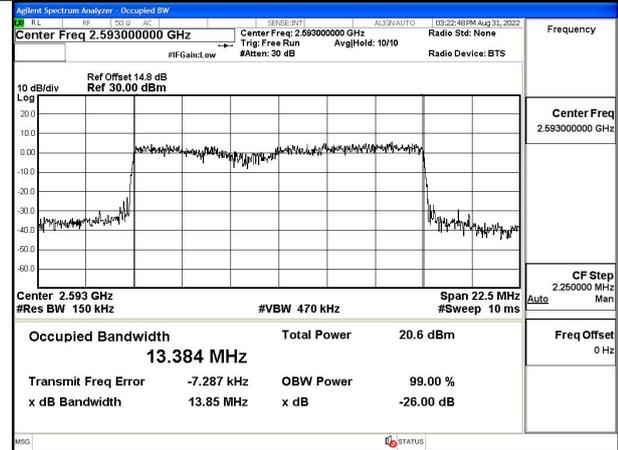


Fig.8

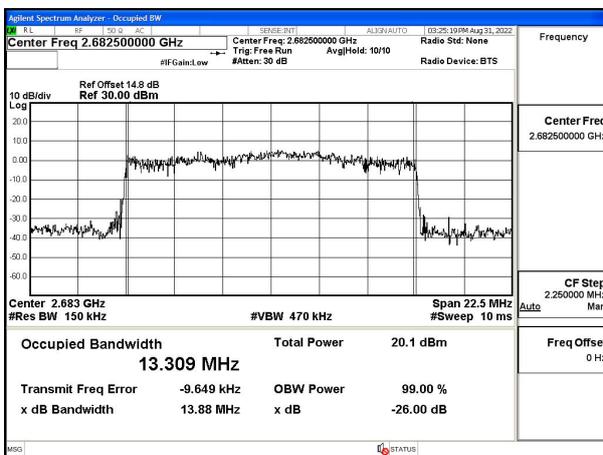


Fig.9

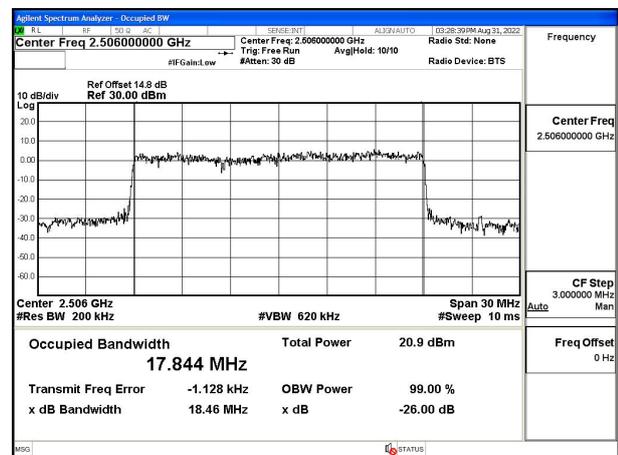


Fig.10

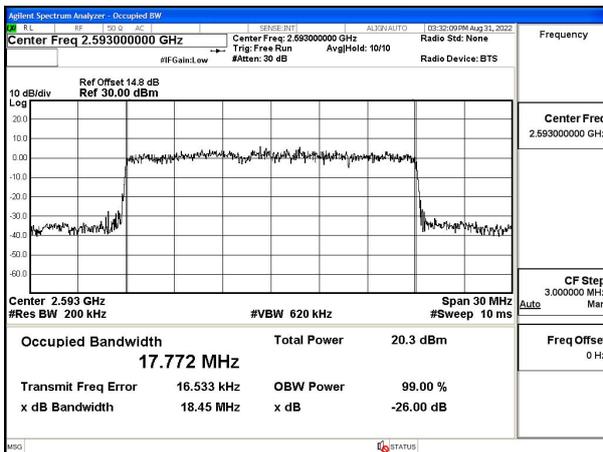


Fig.11

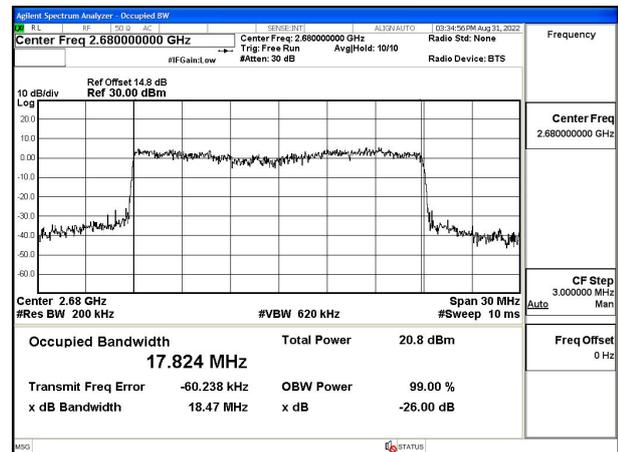


Fig.12

Test Mode: 16QAM

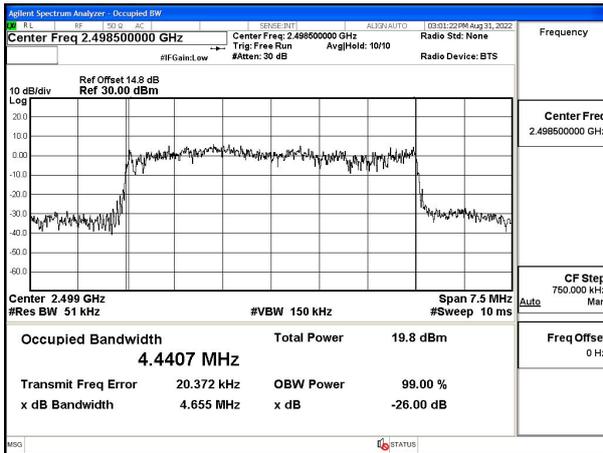


Fig.13

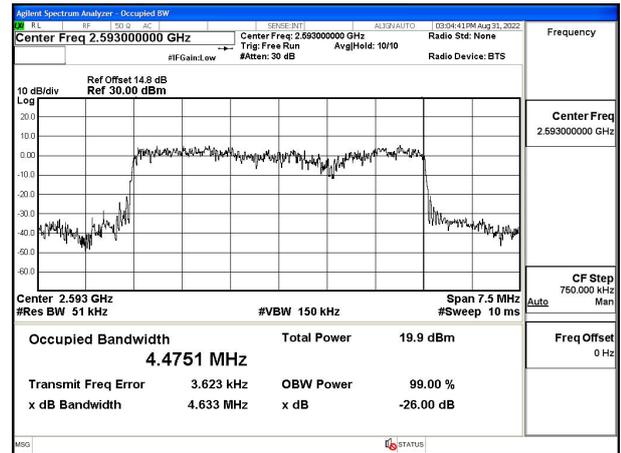


Fig.14

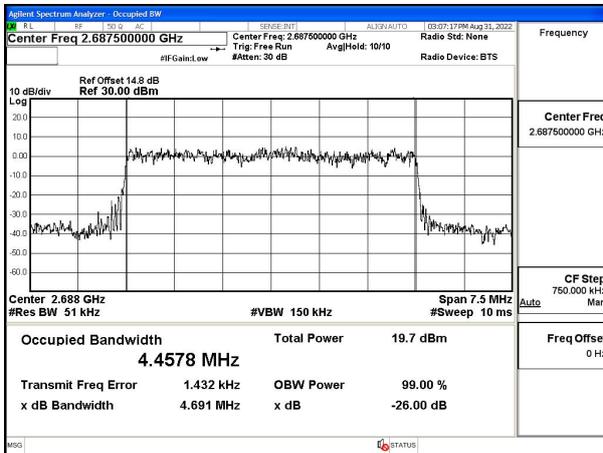


Fig.15

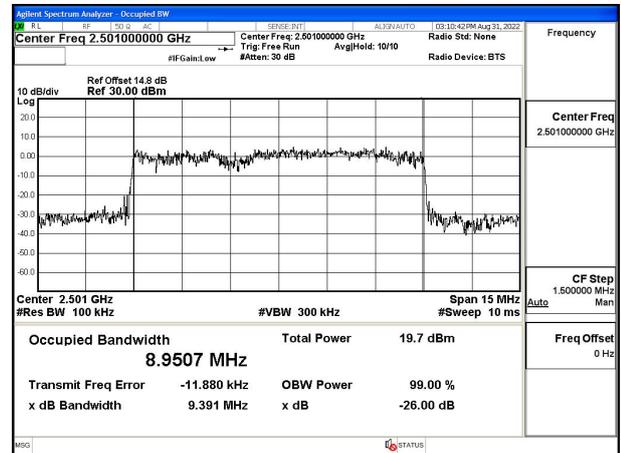


Fig.16

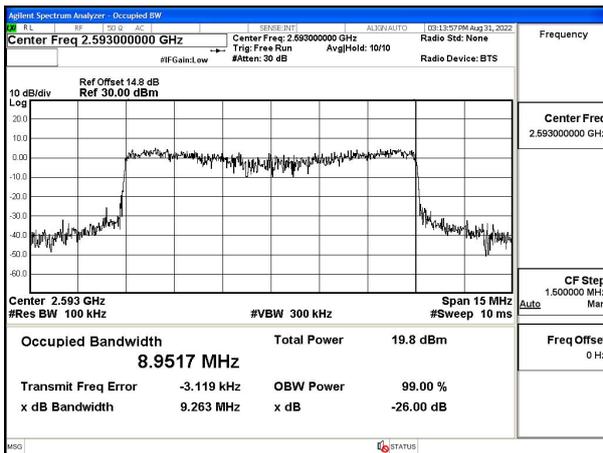


Fig.17

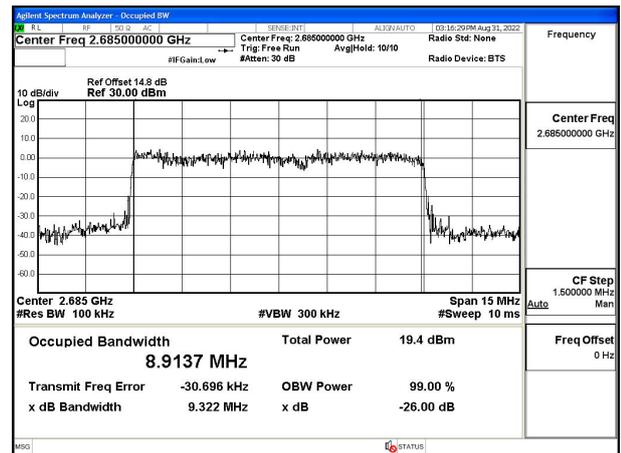


Fig.18

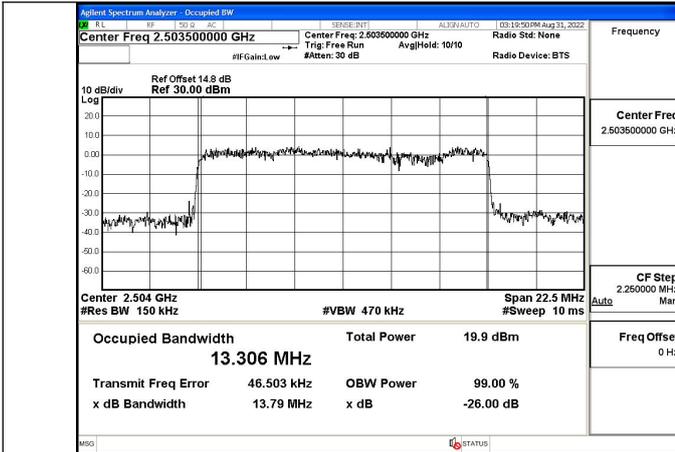


Fig.19

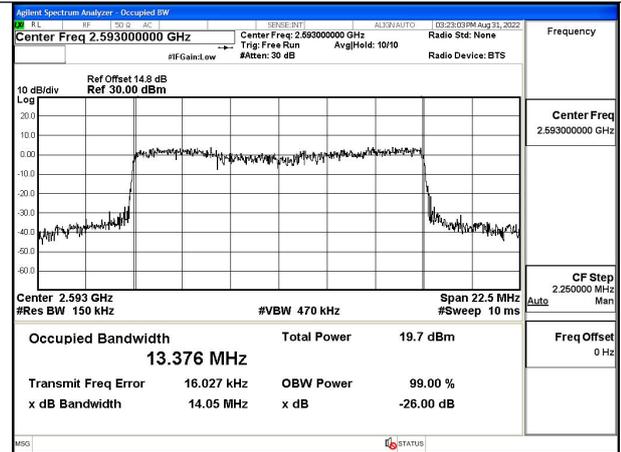


Fig.20

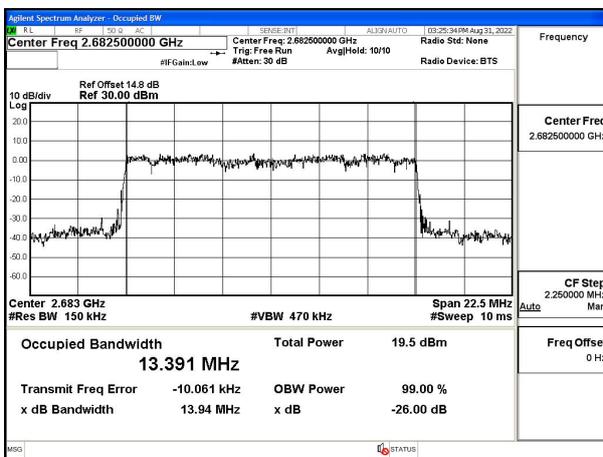


Fig.21

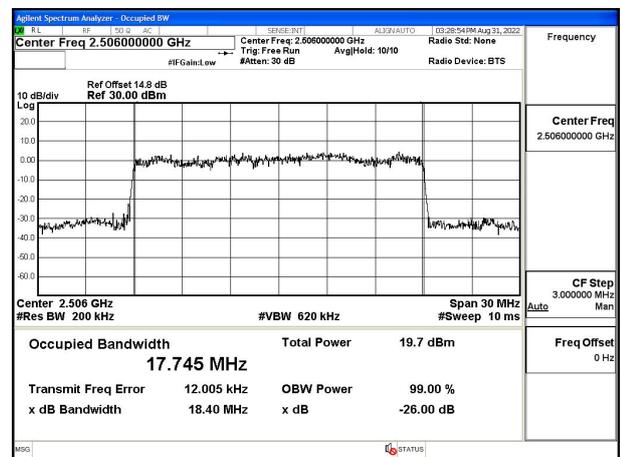


Fig.22

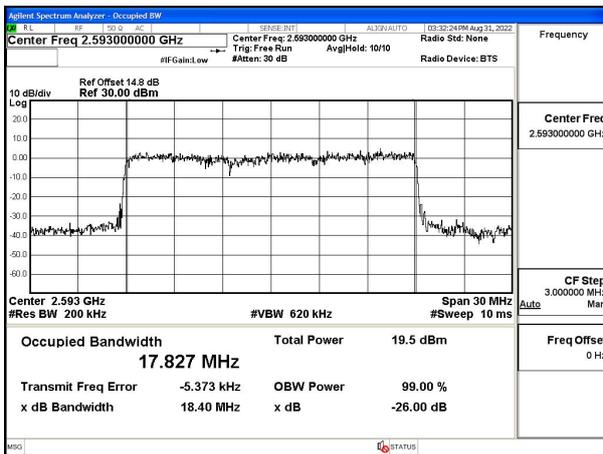


Fig.23

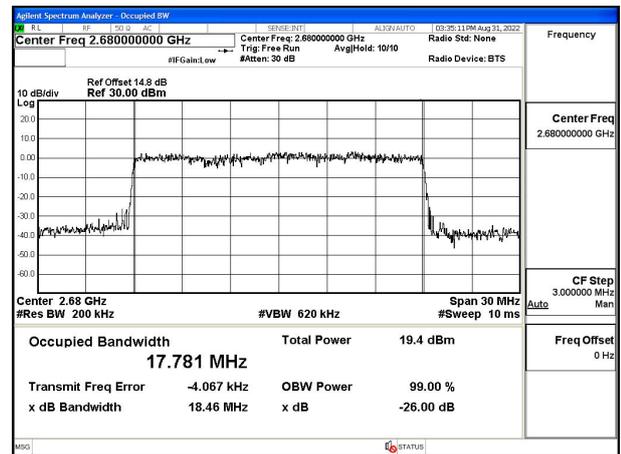


Fig.24

Test Mode: 64QAM

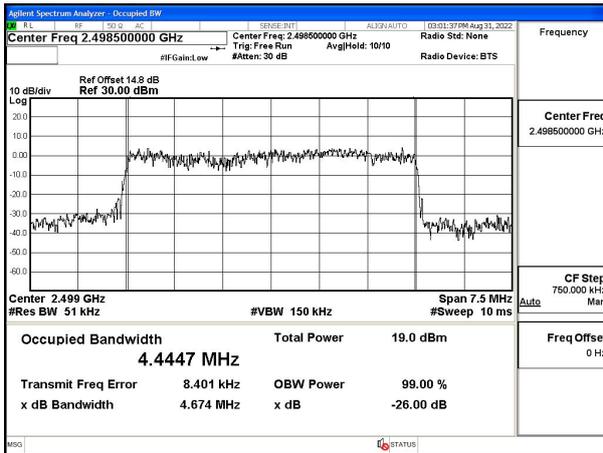


Fig.25

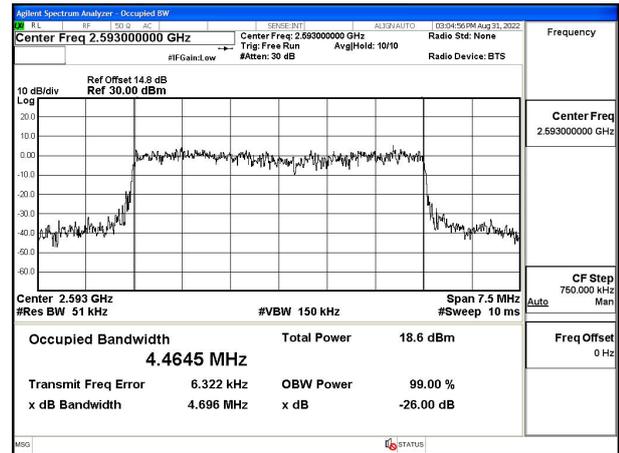


Fig.26

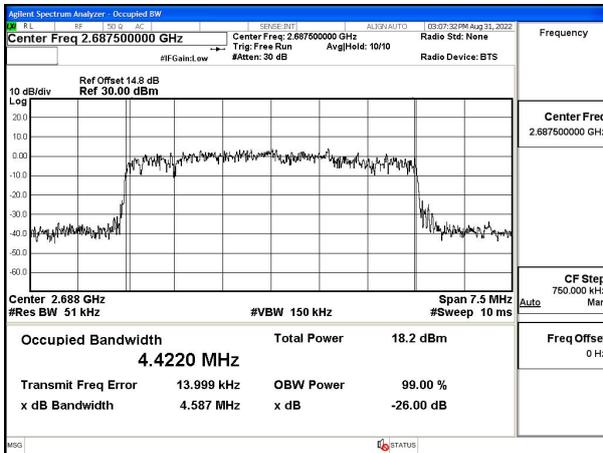


Fig.27

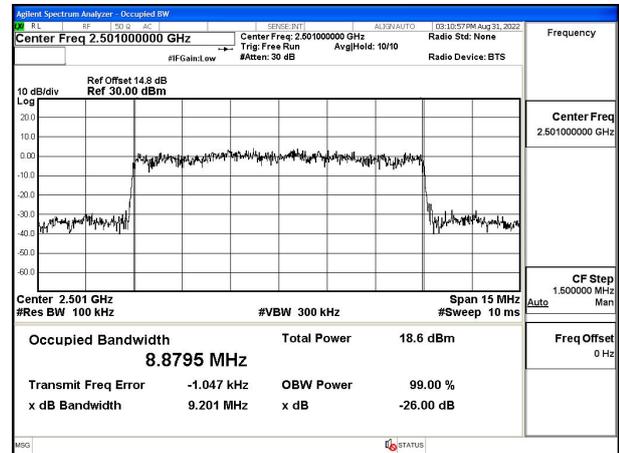


Fig.28

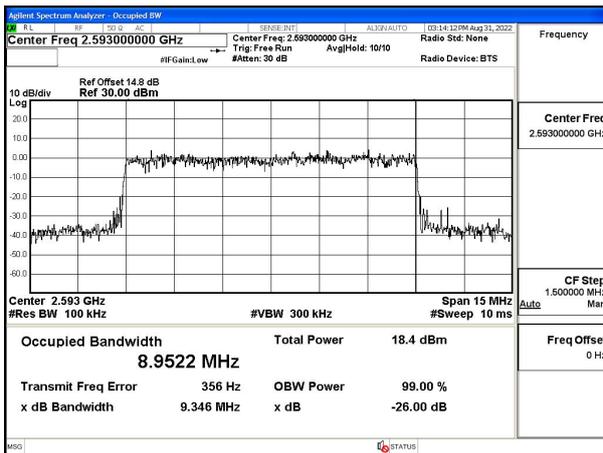


Fig.29

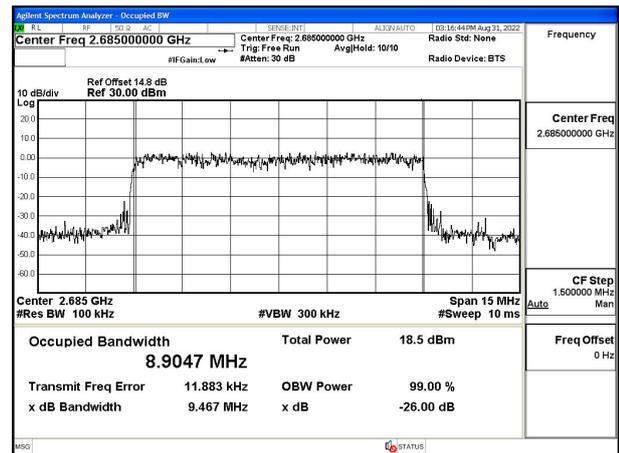


Fig.30

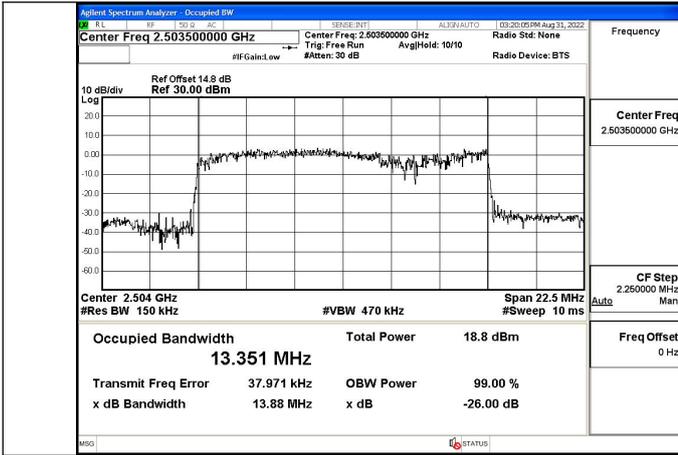


Fig.31

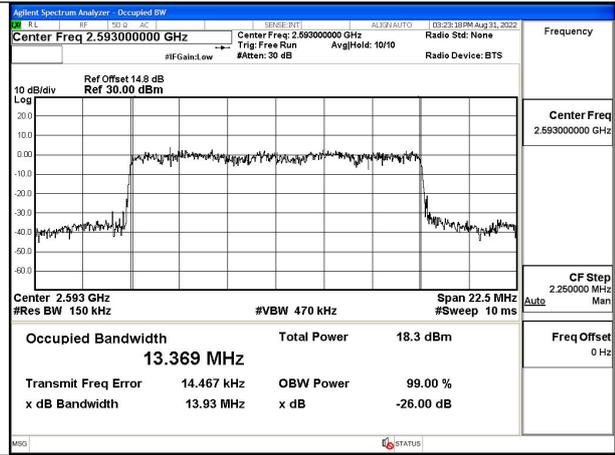


Fig.32

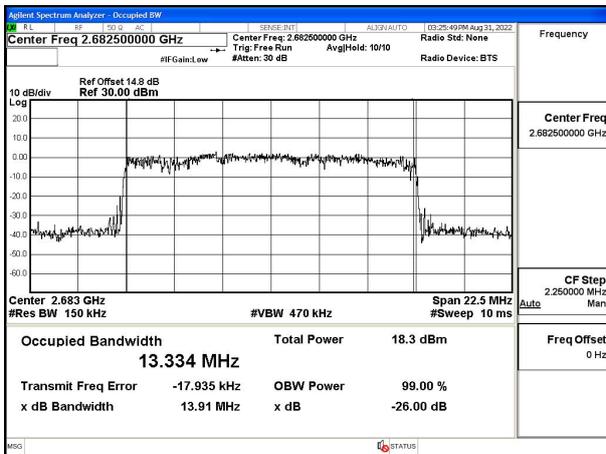


Fig.33

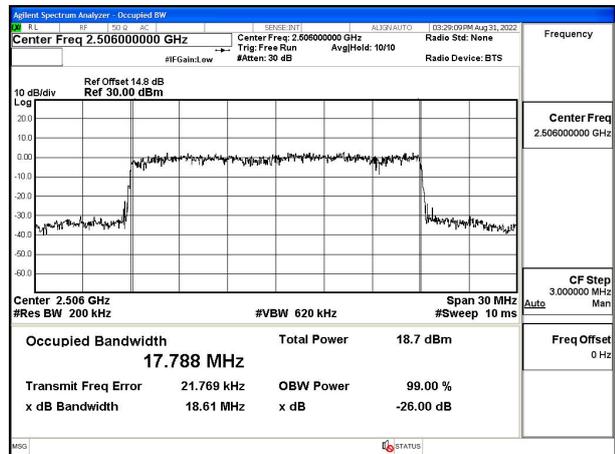


Fig.34

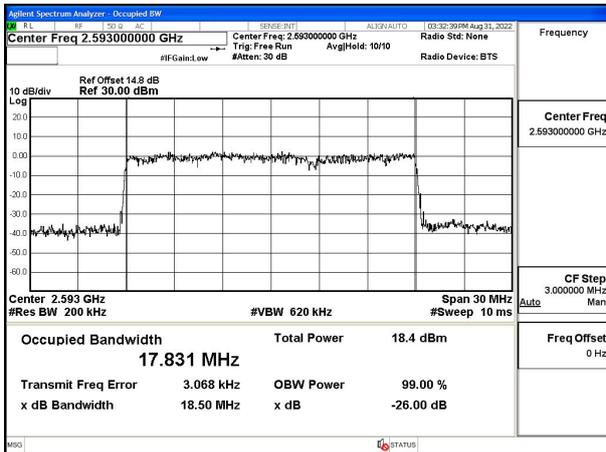


Fig.35

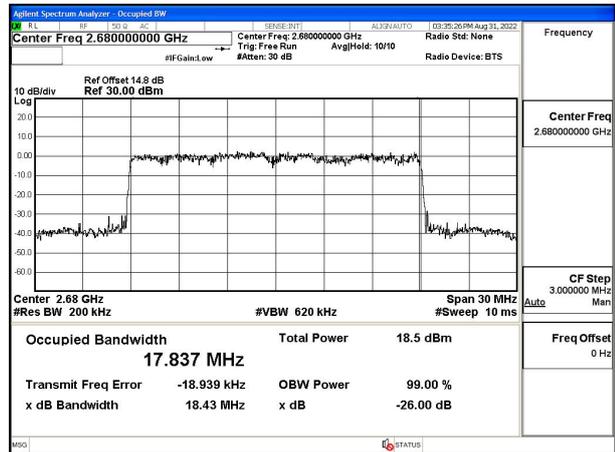


Fig.36

3 Emission Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
41	QPSK	2498.5	39675	5	25	0	4.69	Fig.1
41	QPSK	2593	40620	5	25	0	4.71	Fig.2
41	QPSK	2687.5	41565	5	25	0	4.68	Fig.3
41	QPSK	2501	39700	10	50	0	9.24	Fig.4
41	QPSK	2593	40620	10	50	0	9.29	Fig.5
41	QPSK	2685	41540	10	50	0	9.30	Fig.6
41	QPSK	2503.5	39725	15	75	0	13.79	Fig.7
41	QPSK	2593	40620	15	75	0	13.85	Fig.8
41	QPSK	2682.5	41515	15	75	0	13.88	Fig.9
41	QPSK	2506	39750	20	100	0	18.46	Fig.10
41	QPSK	2593	40620	20	100	0	18.45	Fig.11
41	QPSK	2680	41490	20	100	0	18.47	Fig.12

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
41	16QAM	2498.5	39675	5	25	0	4.65	Fig.13
41	16QAM	2593	40620	5	25	0	4.63	Fig.14
41	16QAM	2687.5	41565	5	25	0	4.69	Fig.15
41	16QAM	2501	39700	10	50	0	9.39	Fig.16
41	16QAM	2593	40620	10	50	0	9.26	Fig.17
41	16QAM	2685	41540	10	50	0	9.32	Fig.18
41	16QAM	2503.5	39725	15	75	0	13.79	Fig.19
41	16QAM	2593	40620	15	75	0	14.05	Fig.20
41	16QAM	2682.5	41515	15	75	0	13.94	Fig.21
41	16QAM	2506	39750	20	100	0	18.40	Fig.22
41	16QAM	2593	40620	20	100	0	18.40	Fig.23
41	16QAM	2680	41490	20	100	0	18.46	Fig.24

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
41	64QAM	2498.5	39675	5	25	0	4.67	Fig.25
41	64QAM	2593	40620	5	25	0	4.70	Fig.26
41	64QAM	2687.5	41565	5	25	0	4.59	Fig.27
41	64QAM	2501	39700	10	50	0	9.20	Fig.28
41	64QAM	2593	40620	10	50	0	9.35	Fig.29
41	64QAM	2685	41540	10	50	0	9.47	Fig.30
41	64QAM	2503.5	39725	15	75	0	13.88	Fig.31
41	64QAM	2593	40620	15	75	0	13.93	Fig.32
41	64QAM	2682.5	41515	15	75	0	13.91	Fig.33
41	64QAM	2506	39750	20	100	0	18.61	Fig.34
41	64QAM	2593	40620	20	100	0	18.50	Fig.35
41	64QAM	2680	41490	20	100	0	18.43	Fig.36

Test Mode: QPSK

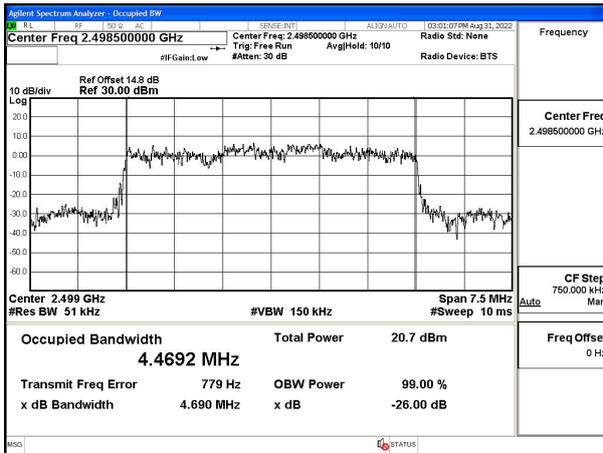


Fig.1

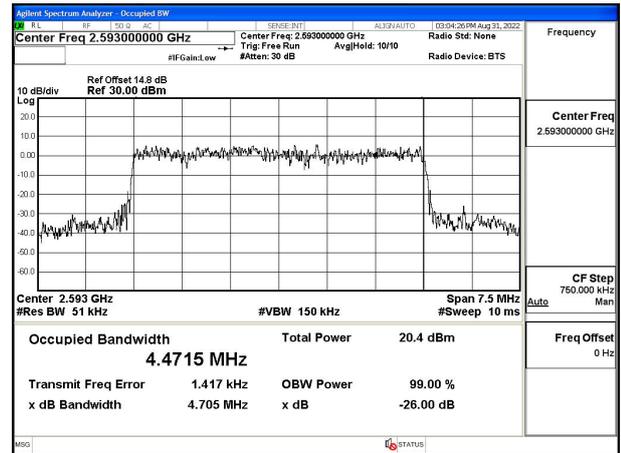


Fig.2

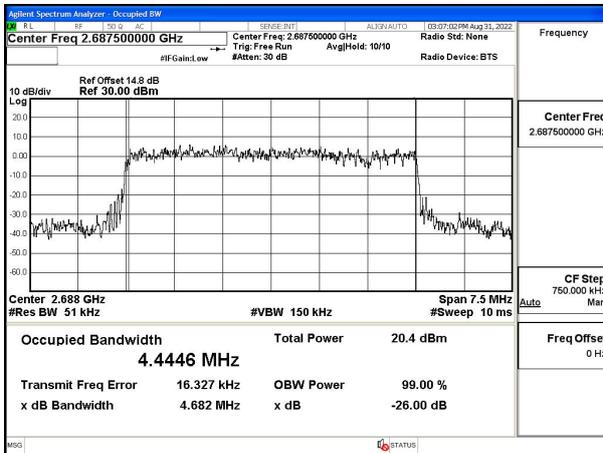


Fig.3

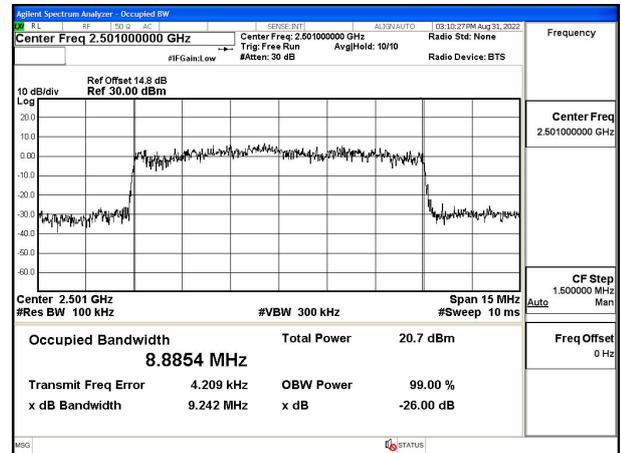


Fig.4

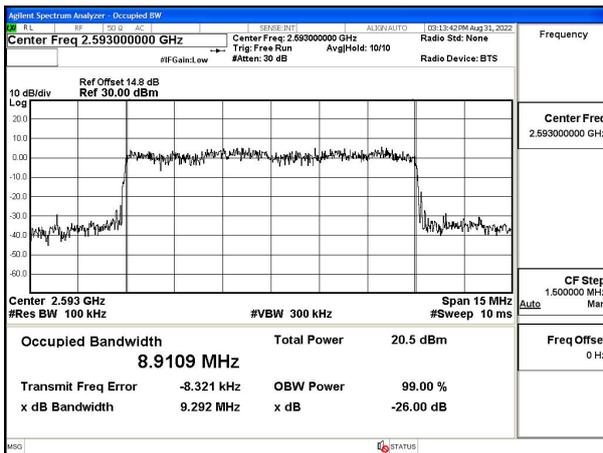


Fig.5

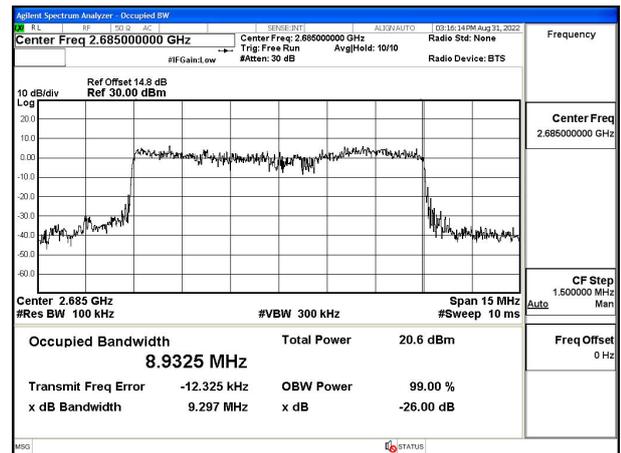


Fig.6