APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 5

1 RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	824.7	20407	1.4	1	0	23.10
QPSK	824.7	20407	1.4	1	3	23.28
QPSK	824.7	20407	1.4	1	5	23.10
QPSK	824.7	20407	1.4	3	0	23.23
QPSK	824.7	20407	1.4	3	1	23.16
QPSK	824.7	20407	1.4	3	3	23.14
QPSK	824.7	20407	1.4	6	0	22.19
QPSK	836.5	20525	1.4	1	0	23.09
QPSK	836.5	20525	1.4	1	3	23.20
QPSK	836.5	20525	1.4	1	5	23.07
QPSK	836.5	20525	1.4	3	0	23.21
QPSK	836.5	20525	1.4	3	1	23.20
QPSK	836.5	20525	1.4	3	3	23.19
QPSK	836.5	20525	1.4	6	0	22.17
QPSK	848.3	20643	1.4	1	0	23.17
QPSK	848.3	20643	1.4	1	3	23.27
QPSK	848.3	20643	1.4	1	5	23.17
QPSK	848.3	20643	1.4	3	0	23.17
QPSK	848.3	20643	1.4	3	1	23.29
QPSK	848.3	20643	1.4	3	3	23.23
QPSK	848.3	20643	1.4	6	0	22.25

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	824.7	20407	1.4	1	0	22.05
16QAM	824.7	20407	1.4	1	3	22.32
16QAM	824.7	20407	1.4	1	5	22.11
16QAM	824.7	20407	1.4	3	0	22.08
16QAM	824.7	20407	1.4	3	1	22.16
16QAM	824.7	20407	1.4	3	3	22.09
16QAM	824.7	20407	1.4	6	0	21.26
16QAM	836.5	20525	1.4	1	0	22.27
16QAM	836.5	20525	1.4	1	3	22.45
16QAM	836.5	20525	1.4	1	5	22.33
16QAM	836.5	20525	1.4	3	0	22.16
16QAM	836.5	20525	1.4	3	1	22.24
16QAM	836.5	20525	1.4	3	3	22.12
16QAM	836.5	20525	1.4	6	0	21.32
16QAM	848.3	20643	1.4	1	0	22.40
16QAM	848.3	20643	1.4	1	3	22.70
16QAM	848.3	20643	1.4	1	5	22.45
16QAM	848.3	20643	1.4	3	0	22.10
16QAM	848.3	20643	1.4	3	1	22.26
16QAM	848.3	20643	1.4	3	3	22.22
16QAM	848.3	20643	1.4	6	0	21.31
64QAM	824.7	20407	1.4	1	0	21.36
64QAM	824.7	20407	1.4	1	3	21.58
64QAM	824.7	20407	1.4	1	5	21.43
64QAM	824.7	20407	1.4	3	0	21.59
64QAM	824.7	20407	1.4	3	1	21.47
64QAM	824.7	20407	1.4	3	3	21.51
64QAM	824.7	20407	1.4	6	0	20.07
64QAM	836.5	20525	1.4	1	0	21.31
64QAM	836.5	20525	1.4	1	3	21.55
64QAM	836.5	20525	1.4	1	5	21.29
64QAM	836.5	20525	1.4	3	0	21.25
64QAM	836.5	20525	1.4	3	1	21.30
64QAM	836.5	20525	1.4	3	3	21.29
64QAM	836.5	20525	1.4	6	0	20.46
64QAM	848.3	20643	1.4	1	0	21.39
64QAM	848.3	20643	1.4	1	3	21.58
64QAM	848.3	20643	1.4	1	5	21.48
64QAM	848.3	20643	1.4	3	0	21.20
64QAM	848.3	20643	1.4	3	1	21.19
64QAM	848.3	20643	1.4	3	3	21.19
64QAM	848.3	20643	1.4	6	0	20.39

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	825.5	20415	3	1	0	23.06
QPSK	825.5	20415	3	1	8	23.08
QPSK	825.5	20415	3	1	14	23.13
QPSK	825.5	20415	3	8	0	22.04
QPSK	825.5	20415	3	8	4	22.15
QPSK	825.5	20415	3	8	7	22.17
QPSK	825.5	20415	3	15	0	22.12
QPSK	836.5	20525	3	1	0	23.16
QPSK	836.5	20525	3	1	8	23.17
QPSK	836.5	20525	3	1	14	23.21
QPSK	836.5	20525	3	8	0	22.15
QPSK	836.5	20525	3	8	4	22.24
QPSK	836.5	20525	3	8	7	22.19
QPSK	836.5	20525	3	15	0	22.21
QPSK	847.5	20635	3	1	0	23.18
QPSK	847.5	20635	3	1	8	23.19
QPSK	847.5	20635	3	1	14	23.24
QPSK	847.5	20635	3	8	0	22.19
QPSK	847.5	20635	3	8	4	22.33
QPSK	847.5	20635	3	8	7	22.21
QPSK	847.5	20635	3	15	0	22.28

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	825.5	20415	3	1	0	22.55
16QAM	825.5	20415	3	1	8	22.64
16QAM	825.5	20415	3	1	14	22.68
16QAM	825.5	20415	3	8	0	21.08
16QAM	825.5	20415	3	8	4	21.20
16QAM	825.5	20415	3	8	7	21.17
16QAM	825.5	20415	3	15	0	21.10
16QAM	836.5	20525	3	1	0	22.43
16QAM	836.5	20525	3	1	8	22.32
16QAM	836.5	20525	3	1	14	22.39
16QAM	836.5	20525	3	8	0	21.04
16QAM	836.5	20525	3	8	4	21.23
16QAM	836.5	20525	3	8	7	21.17
16QAM	836.5	20525	3	15	0	21.19
16QAM	847.5	20635	3	1	0	22.49
16QAM	847.5	20635	3	1	8	22.45
16QAM	847.5	20635	3	1	14	22.39
16QAM	847.5	20635	3	8	0	21.22
16QAM	847.5	20635	3	8	4	21.32
16QAM	847.5	20635	3	8	7	21.27
16QAM	847.5	20635	3	15	0	21.28
64QAM	825.5	20415	3	1	0	21.43
64QAM	825.5	20415	3	1	8	21.40
64QAM	825.5	20415	3	1	14	21.53
64QAM	825.5	20415	3	8	0	20.07
64QAM	825.5	20415	3	8	4	20.21
64QAM	825.5	20415	3	8	7	20.18
64QAM	825.5	20415	3	15	0	20.07
64QAM	836.5	20525	3	1	0	21.23
64QAM	836.5	20525	3	1	8	21.32
64QAM	836.5	20525	3	1	14	21.38
64QAM	836.5	20525	3	8	0	20.17
64QAM	836.5	20525	3	8	4	20.25
64QAM	836.5	20525	3	8	7	20.16
64QAM	836.5	20525	3	15	0	20.15
64QAM	847.5	20635	3	1	0	21.44
64QAM	847.5	20635	3	1	8	21.45
64QAM	847.5	20635	3	1	14	21.36
64QAM	847.5	20635	3	8	0	20.21
64QAM	847.5	20635	3	8	4	20.19
64QAM	847.5	20635	3	8	7	20.10
64QAM	847.5	20635	3	15	0	20.26

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	826.5	20425	5	1	0	22.88
QPSK	826.5	20425	5	1	12	23.18
QPSK	826.5	20425	5	1	24	22.95
QPSK	826.5	20425	5	12	0	22.02
QPSK	826.5	20425	5	12	7	22.08
QPSK	826.5	20425	5	12	13	22.14
QPSK	826.5	20425	5	25	0	22.11
QPSK	836.5	20525	5	1	0	23.12
QPSK	836.5	20525	5	1	12	23.36
QPSK	836.5	20525	5	1	24	23.13
QPSK	836.5	20525	5	12	0	22.18
QPSK	836.5	20525	5	12	7	22.24
QPSK	836.5	20525	5	12	13	22.22
QPSK	836.5	20525	5	25	0	22.20
QPSK	846.5	20625	5	1	0	23.15
QPSK	846.5	20625	5	1	12	23.41
QPSK	846.5	20625	5	1	24	23.19
QPSK	846.5	20625	5	12	0	22.22
QPSK	846.5	20625	5	12	7	22.32
QPSK	846.5	20625	5	12	13	22.30
QPSK	846.5	20625	5	25	0	22.21

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	826.5	20425	5	1	0	22.10
16QAM	826.5	20425	5	1	12	22.35
16QAM	826.5	20425	5	1	24	22.22
16QAM	826.5	20425	5	12	0	21.01
16QAM	826.5	20425	5	12	7	21.06
16QAM	826.5	20425	5	12	13	21.09
16QAM	826.5	20425	5	25	0	21.09
16QAM	836.5	20525	5	1	0	22.45
16QAM	836.5	20525	5	1	12	22.70
16QAM	836.5	20525	5	1	24	22.47
16QAM	836.5	20525	5	12	0	21.10
16QAM	836.5	20525	5	12	7	21.18
16QAM	836.5	20525	5	12	13	21.16
16QAM	836.5	20525	5	25	0	21.11
16QAM	846.5	20625	5	1	0	22.38
16QAM	846.5	20625	5	1	12	22.65
16QAM	846.5	20625	5	1	24	22.44
16QAM	846.5	20625	5	12	0	21.16
16QAM	846.5	20625	5	12	7	21.25
16QAM	846.5	20625	5	12	13	21.20
16QAM	846.5	20625	5	25	0	21.26
64QAM	826.5	20425	5	1	0	20.98
64QAM	826.5	20425	5	1	12	21.26
64QAM	826.5	20425	5	1	24	21.13
64QAM	826.5	20425	5	12	0	20.07
64QAM	826.5	20425	5	12	7	20.14
64QAM	826.5	20425	5	12	13	20.16
64QAM	826.5	20425	5	25	0	20.07
64QAM	836.5	20525	5	1	0	21.36
64QAM	836.5	20525	5	1	12	21.60
64QAM	836.5	20525	5	1	24	21.38
64QAM	836.5	20525	5	12	0	20.10
64QAM	836.5	20525	5	12	7	20.15
64QAM	836.5	20525	5	12	13	20.20
64QAM	836.5	20525	5	25	0	20.13
64QAM	846.5	20625	5	1	0	21.39
64QAM	846.5	20625	5	1	12	21.63
64QAM	846.5	20625	5	1	24	21.37
64QAM	846.5	20625	5	12	0	20.29
64QAM	846.5	20625	5	12	7	20.34
64QAM	846.5	20625	5	12	13	20.23
64QAM	846.5	20625	5	25	0	20.24

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	829	20450	10	1	0	23.06
QPSK	829	20450	10	1	25	23.27
QPSK	829	20450	10	1	49	23.13
QPSK	829	20450	10	25	0	22.12
QPSK	829	20450	10	25	12	22.14
QPSK	829	20450	10	25	25	22.22
QPSK	829	20450	10	50	0	22.15
QPSK	836.5	20525	10	1	0	23.20
QPSK	836.5	20525	10	1	25	23.36
QPSK	836.5	20525	10	1	49	23.17
QPSK	836.5	20525	10	25	0	22.23
QPSK	836.5	20525	10	25	12	22.18
QPSK	836.5	20525	10	25	25	22.27
QPSK	836.5	20525	10	50	0	22.19
QPSK	844	20600	10	1	0	23.19
QPSK	844	20600	10	1	25	23.42
QPSK	844	20600	10	1	49	23.18
QPSK	844	20600	10	25	0	22.28
QPSK	844	20600	10	25	12	22.31
QPSK	844	20600	10	25	25	22.27
QPSK	844	20600	10	50	0	22.26

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	829	20450	10	1	0	22.55
16QAM	829	20450	10	1	25	22.83
16QAM	829	20450	10	1	49	22.71
16QAM	829	20450	10	25	0	21.13
16QAM	829	20450	10	25	12	21.20
16QAM	829	20450	10	25	25	21.19
16QAM	829	20450	10	50	0	21.20
16QAM	836.5	20525	10	1	0	22.41
16QAM	836.5	20525	10	1	25	22.52
16QAM	836.5	20525	10	1	49	22.37
16QAM	836.5	20525	10	25	0	21.21
16QAM	836.5	20525	10	25	12	21.21
16QAM	836.5	20525	10	25	25	21.27
16QAM	836.5	20525	10	50	0	21.23
16QAM	844	20600	10	1	0	22.40
16QAM	844	20600	10	1	25	22.56
16QAM	844	20600	10	1	49	22.47
16QAM	844	20600	10	25	0	21.33
16QAM	844	20600	10	25	12	21.36
16QAM	844	20600	10	25	25	21.34
16QAM	844	20600	10	50	0	21.28
64QAM	829	20450	10	1	0	21.38
64QAM	829	20450	10	1	25	21.67
64QAM	829	20450	10	1	49	21.50
64QAM	829	20450	10	25	0	20.25
64QAM	829	20450	10	25	12	20.29
64QAM	829	20450	10	25	25	20.20
64QAM	829	20450	10	50	0	20.23
64QAM	836.5	20525	10	1	0	21.33
64QAM	836.5	20525	10	1	25	21.46
64QAM	836.5	20525	10	1	49	21.28
64QAM	836.5	20525	10	25	0	20.26
64QAM	836.5	20525	10	25	12	20.23
64QAM	836.5	20525	10	25	25	20.26
64QAM	836.5	20525	10	50	0	20.32
64QAM	844	20600	10	1	0	21.33
64QAM	844	20600	10	1	25	21.58
64QAM	844	20600	10	1	49	21.47
64QAM	844	20600	10	25	0	20.40
64QAM	844	20600	10	25	12	20.41
64QAM	844	20600	10	25	25	20.37
64QAM	844	20600	10	50	0	20.28

2 Occupied Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
5	QPSK	824.7	20407	1.4	6	0	1.074	Fig.1
5	QPSK	836.5	20525	1.4	6	0	1.076	Fig.2
5	QPSK	848.3	20643	1.4	6	0	1.073	Fig.3
5	QPSK	825.5	20415	3	15	0	2.668	Fig.4
5	QPSK	836.5	20525	3	15	0	2.674	Fig.5
5	QPSK	847.5	20635	3	15	0	2.671	Fig.6
5	QPSK	826.5	20425	5	25	0	4.455	Fig.7
5	QPSK	836.5	20525	5	25	0	4.468	Fig.8
5	QPSK	846.5	20625	5	25	0	4.457	Fig.9
5	QPSK	829	20450	10	50	0	8.889	Fig.10
5	QPSK	836.5	20525	10	50	0	8.929	Fig.11
5	QPSK	844	20600	10	50	0	8.938	Fig.12

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
5	16QAM	824.7	20407	1.4	6	0	1.073	Fig.13
5	16QAM	836.5	20525	1.4	6	0	1.077	Fig.14
5	16QAM	848.3	20643	1.4	6	0	1.076	Fig.15
5	16QAM	825.5	20415	3	15	0	2.670	Fig.16
5	16QAM	836.5	20525	3	15	0	2.680	Fig.17
5	16QAM	847.5	20635	3	15	0	2.670	Fig.18
5	16QAM	826.5	20425	5	25	0	4.447	Fig.19
5	16QAM	836.5	20525	5	25	0	4.474	Fig.20
5	16QAM	846.5	20625	5	25	0	4.460	Fig.21
5	16QAM	829	20450	10	50	0	8.938	Fig.22
5	16QAM	836.5	20525	10	50	0	8.939	Fig.23
5	16QAM	844	20600	10	50	0	8.954	Fig.24

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
5	64QAM	824.7	20407	1.4	6	0	1.072	Fig.25
5	64QAM	836.5	20525	1.4	6	0	1.071	Fig.26
5	64QAM	848.3	20643	1.4	6	0	1.074	Fig.27
5	64QAM	825.5	20415	3	15	0	2.669	Fig.28
5	64QAM	836.5	20525	3	15	0	2.679	Fig.29
5	64QAM	847.5	20635	3	15	0	2.673	Fig.30
5	64QAM	826.5	20425	5	25	0	4.479	Fig.31
5	64QAM	836.5	20525	5	25	0	4.432	Fig.32
5	64QAM	846.5	20625	5	25	0	4.445	Fig.33
5	64QAM	829	20450	10	50	0	8.898	Fig.34
5	64QAM	836.5	20525	10	50	0	8.940	Fig.35
5	64QAM	844	20600	10	50	0	8.931	Fig.36

Test Mode: QPSK

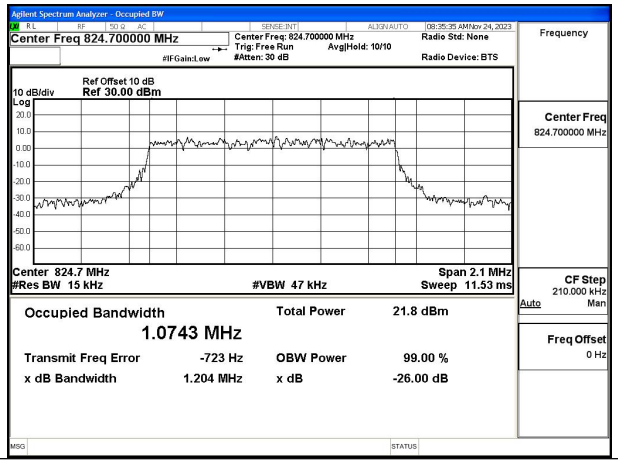

Fig.1

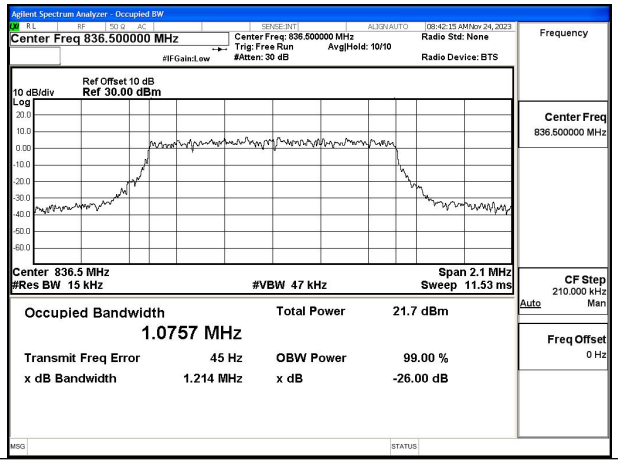

Fig.2

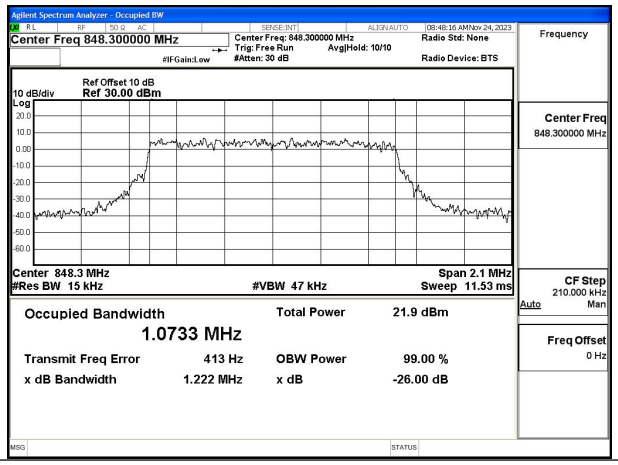

Fig.3

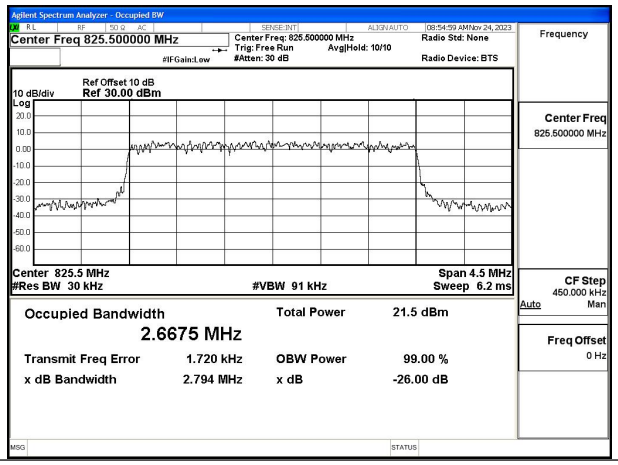

Fig.4

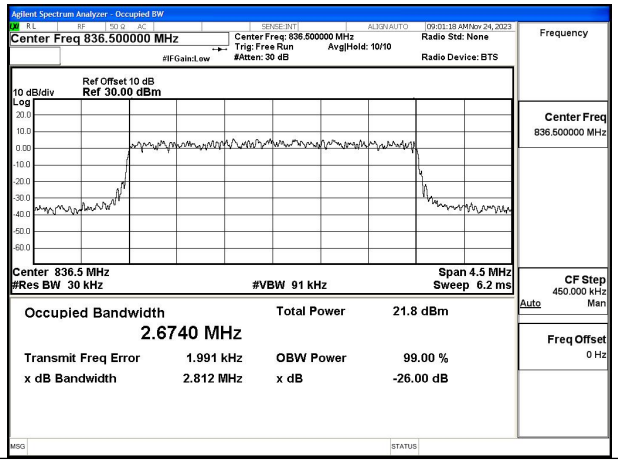

Fig.5

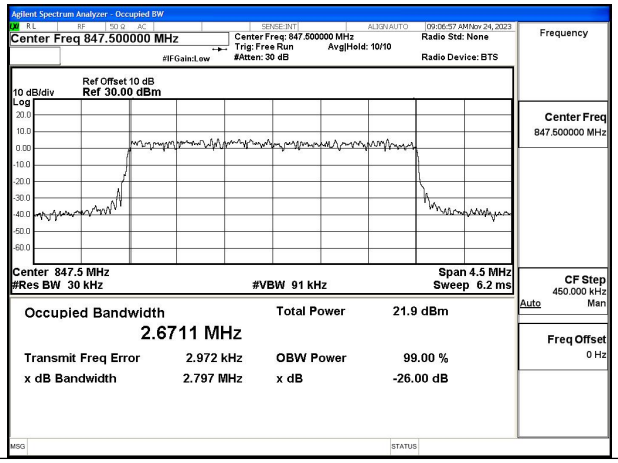

Fig.6

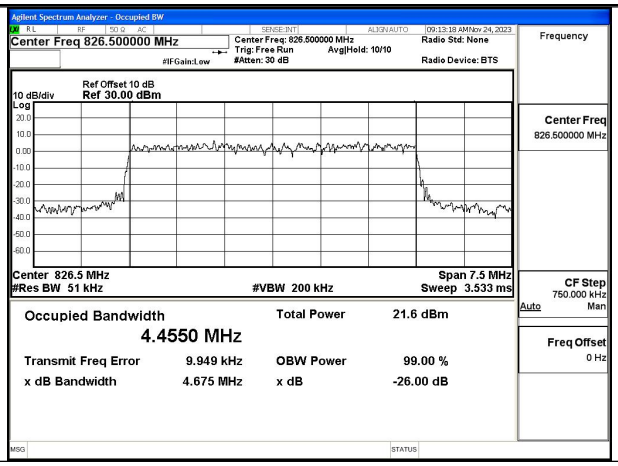

Fig.7

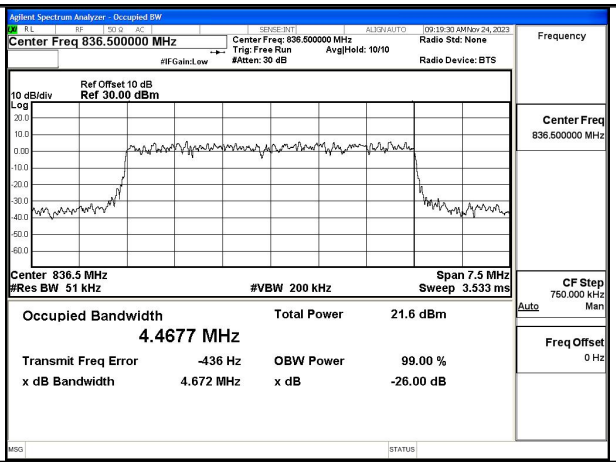

Fig.8

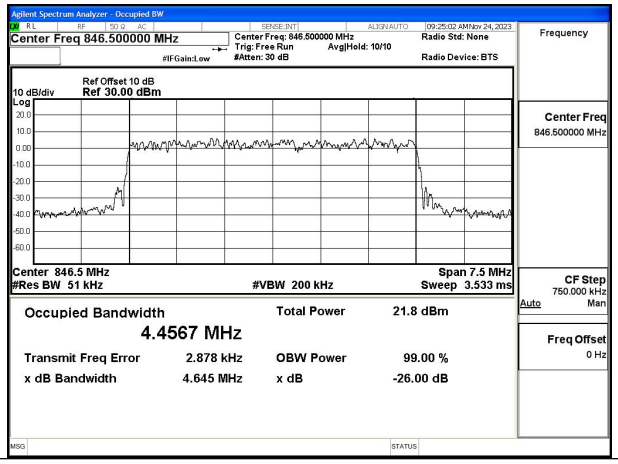

Fig.9

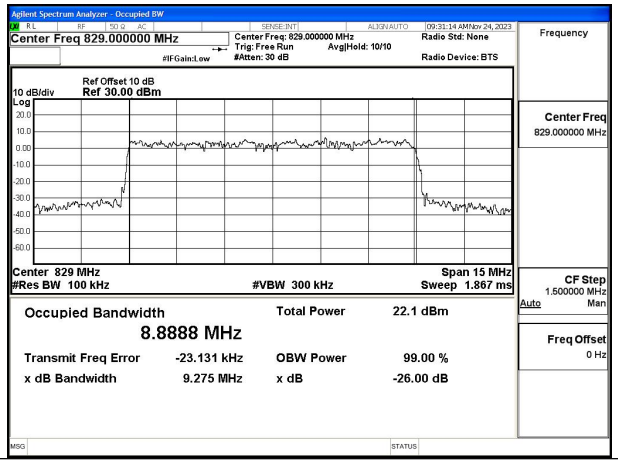

Fig.10

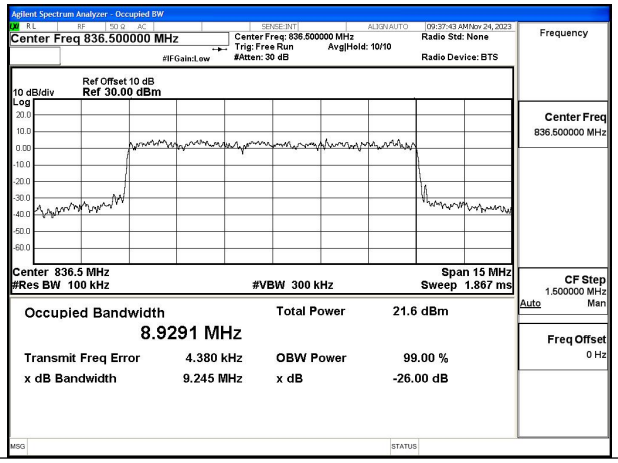

Fig.11

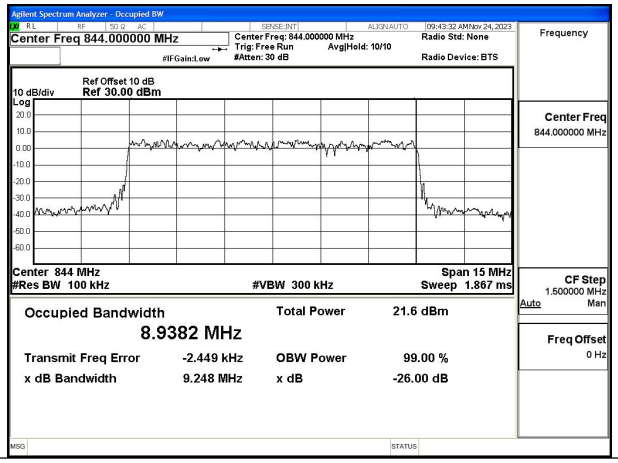

Fig.12

Test Mode: 16QAM

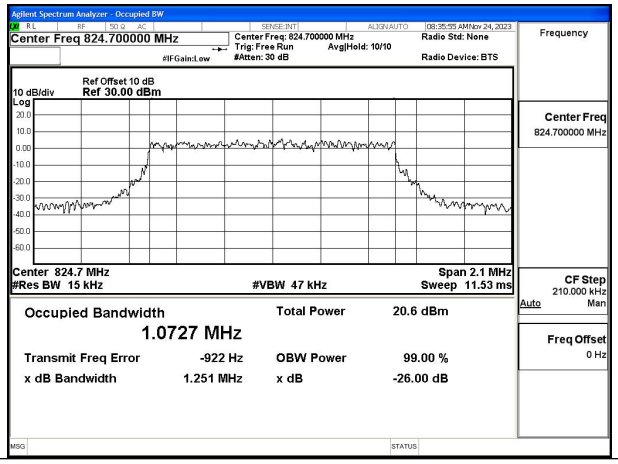

Fig.13

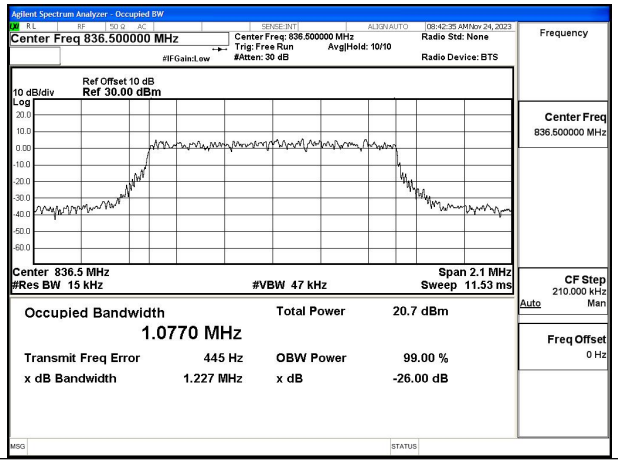

Fig.14

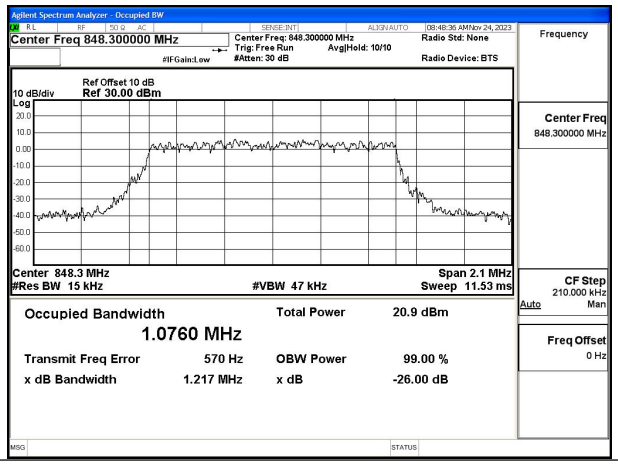

Fig.15

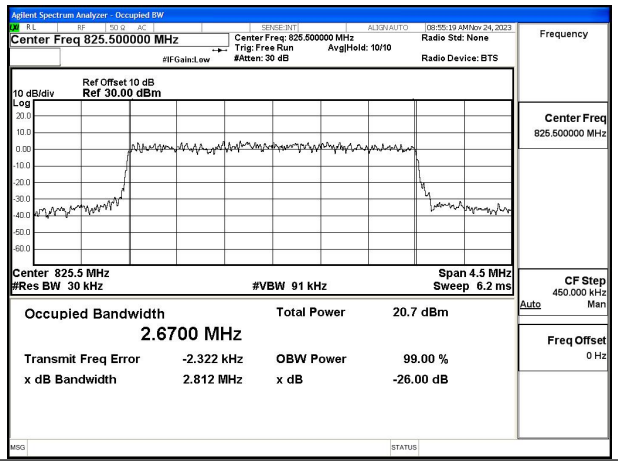

Fig.16

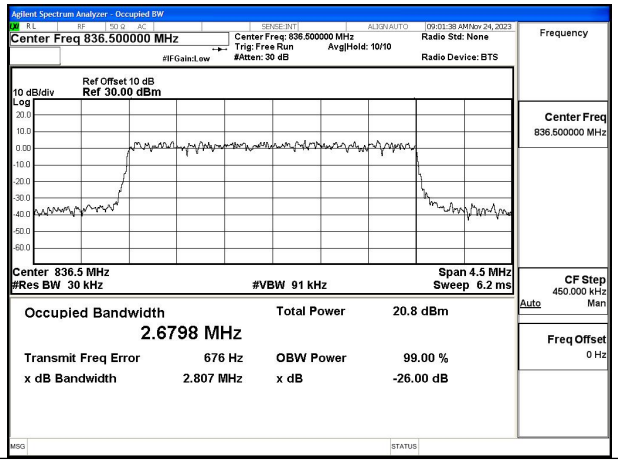

Fig.17

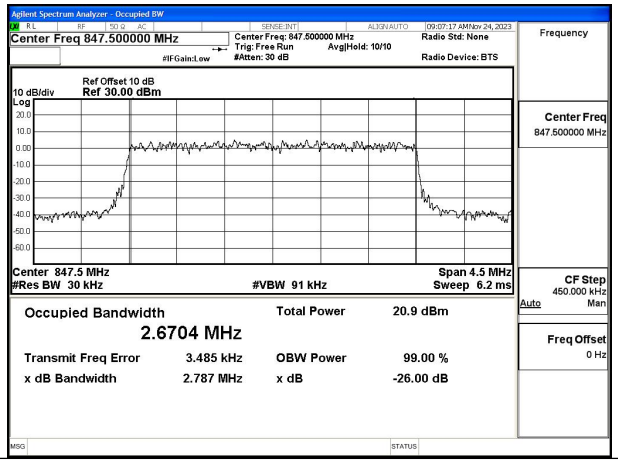

Fig.18

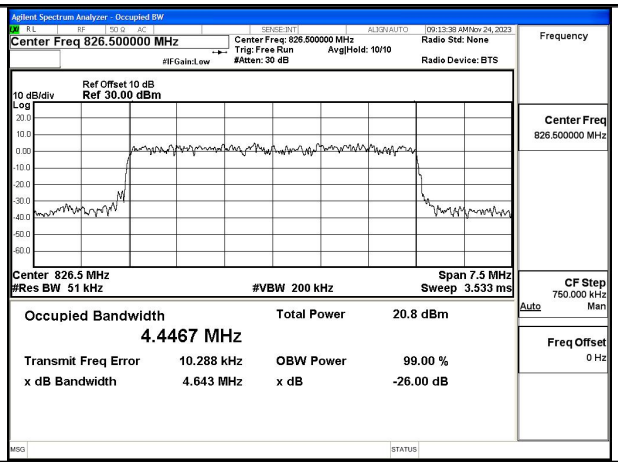

Fig.19

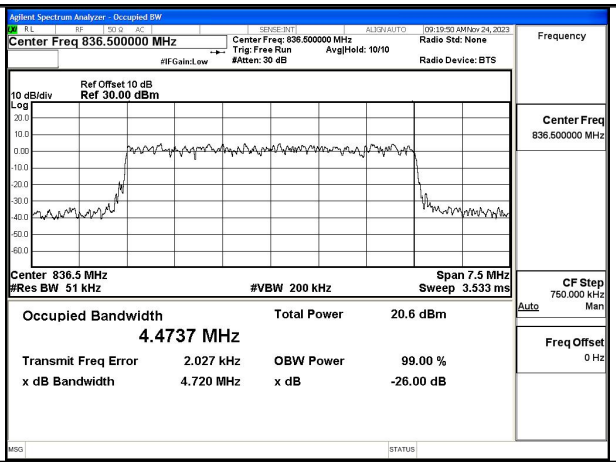

Fig.20

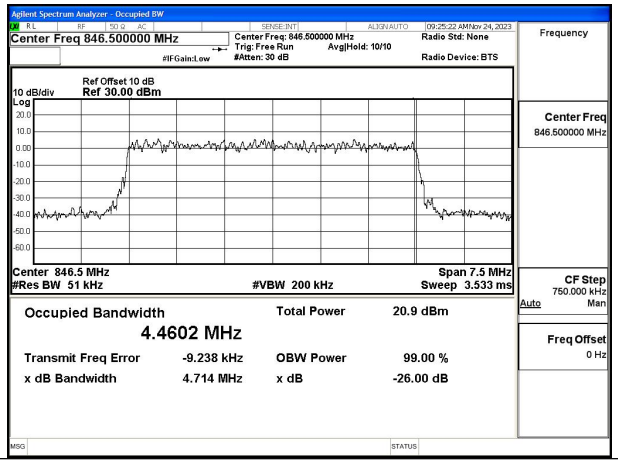

Fig.21

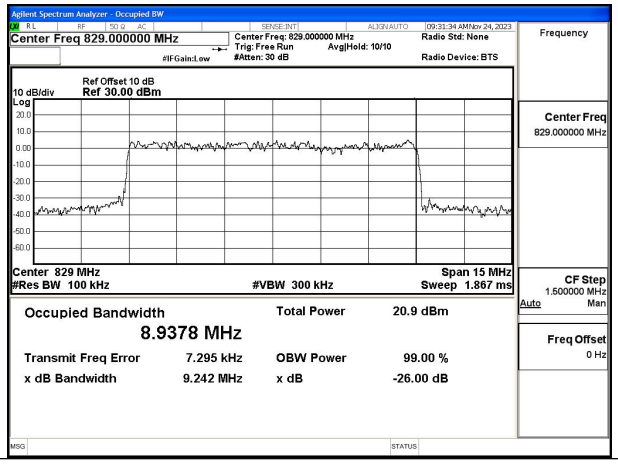

Fig.22

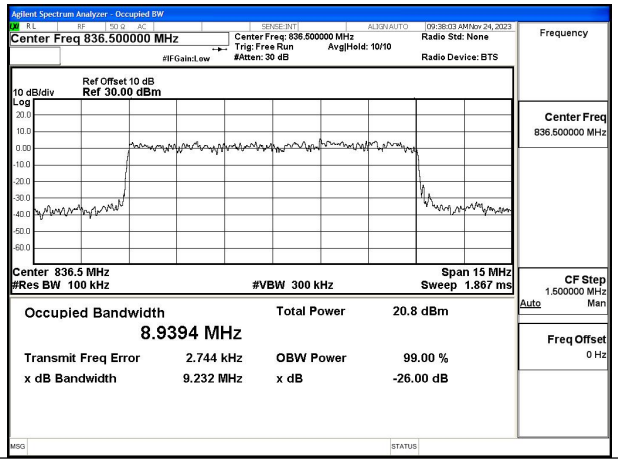

Fig.23

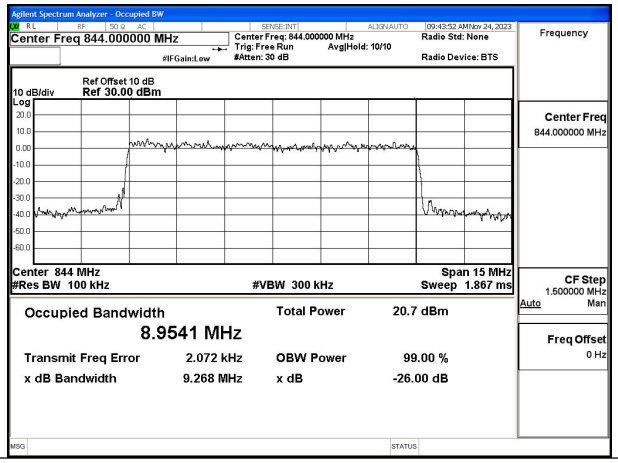

Fig.24

Test Mode: 64QAM

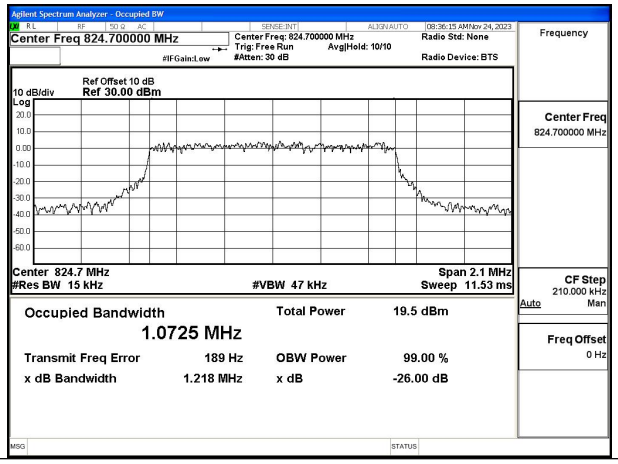

Fig.25

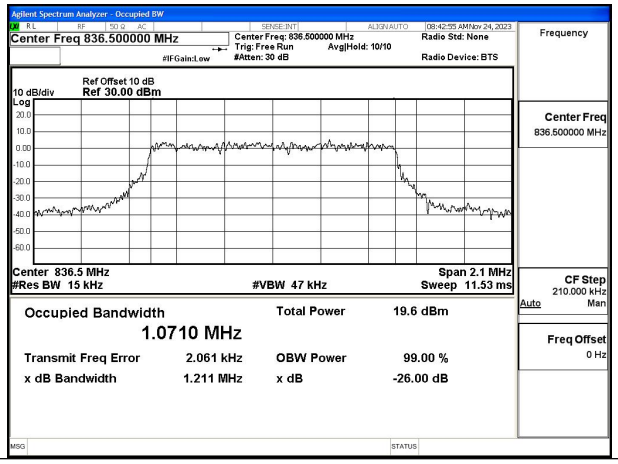

Fig.26

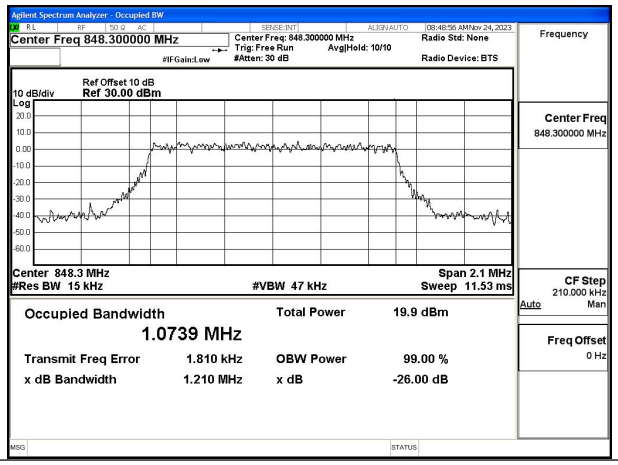

Fig.27

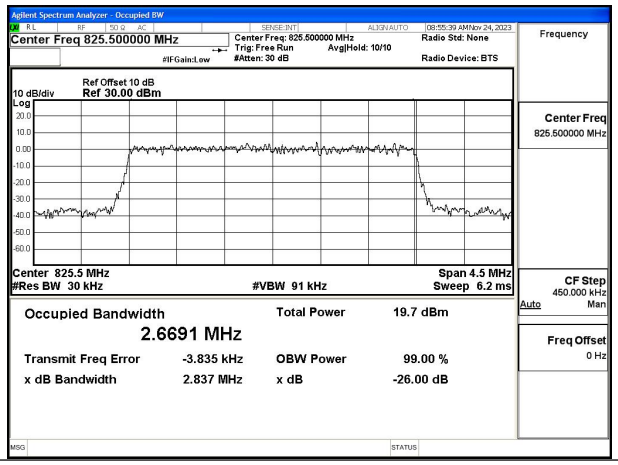

Fig.28

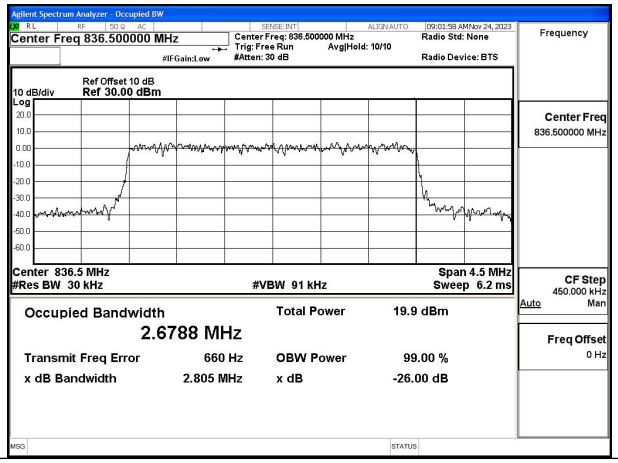

Fig.29

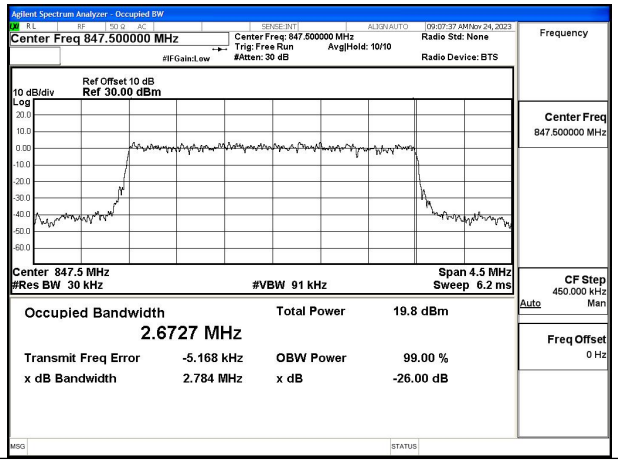

Fig.30

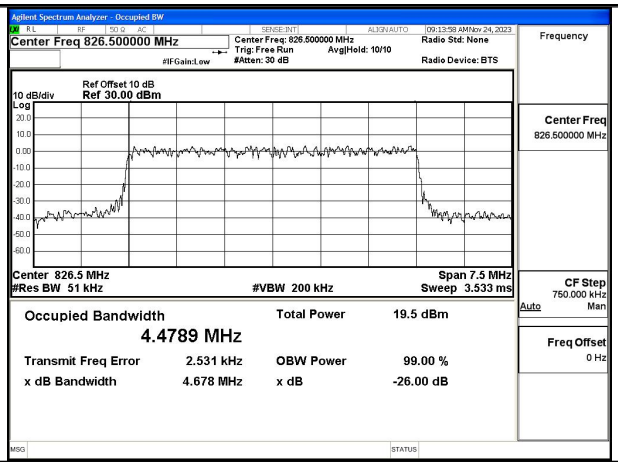

Fig.31

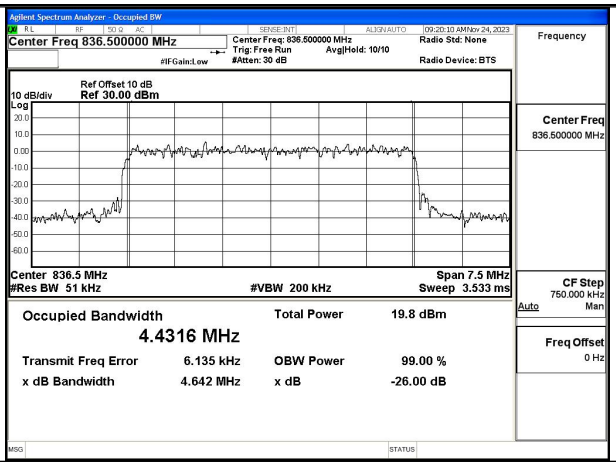

Fig.32

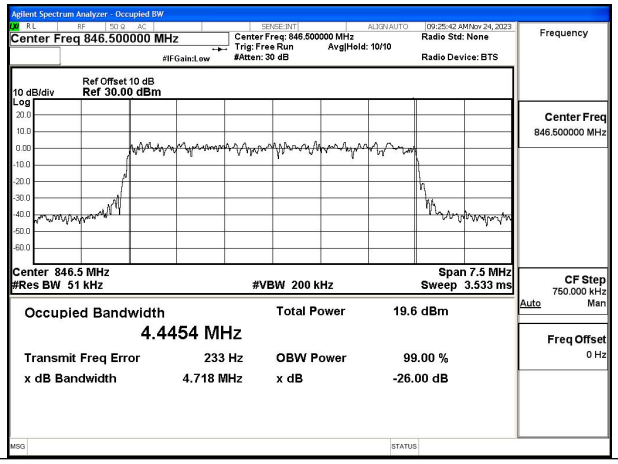

Fig.33

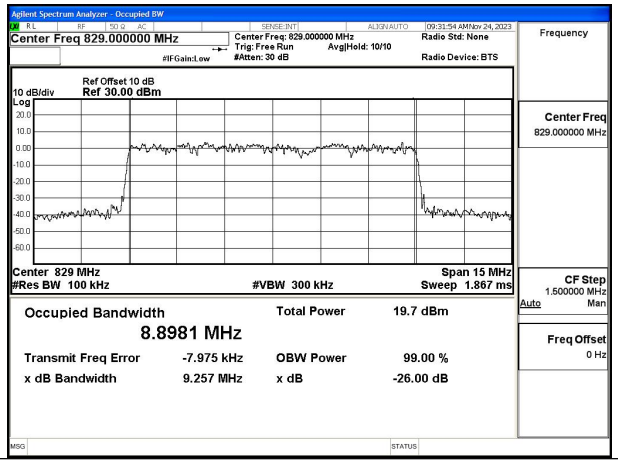

Fig.34

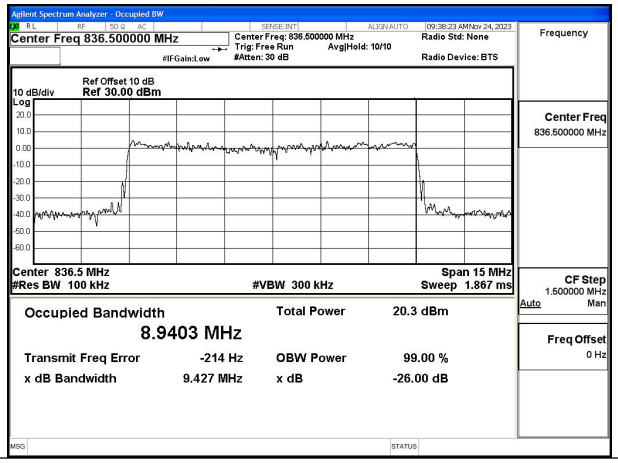

Fig.35

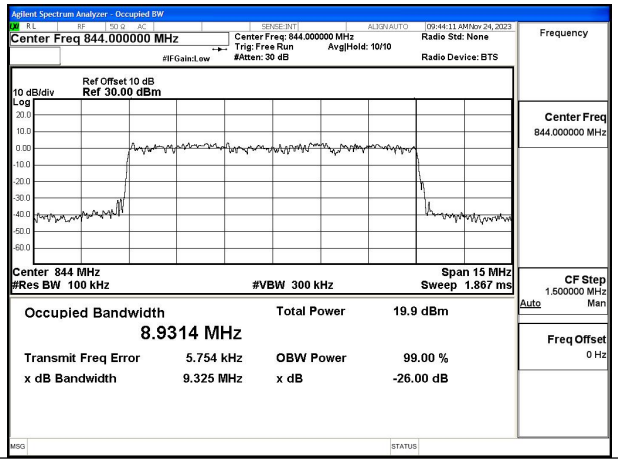

Fig.36

3 Emission Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
5	QPSK	824.7	20407	1.4	6	0	1.204	Fig.1
5	QPSK	836.5	20525	1.4	6	0	1.214	Fig.2
5	QPSK	848.3	20643	1.4	6	0	1.222	Fig.3
5	QPSK	825.5	20415	3	15	0	2.794	Fig.4
5	QPSK	836.5	20525	3	15	0	2.812	Fig.5
5	QPSK	847.5	20635	3	15	0	2.797	Fig.6
5	QPSK	826.5	20425	5	25	0	4.675	Fig.7
5	QPSK	836.5	20525	5	25	0	4.672	Fig.8
5	QPSK	846.5	20625	5	25	0	4.645	Fig.9
5	QPSK	829	20450	10	50	0	9.275	Fig.10
5	QPSK	836.5	20525	10	50	0	9.245	Fig.11
5	QPSK	844	20600	10	50	0	9.248	Fig.12

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
5	16QAM	824.7	20407	1.4	6	0	1.251	Fig.13
5	16QAM	836.5	20525	1.4	6	0	1.227	Fig.14
5	16QAM	848.3	20643	1.4	6	0	1.217	Fig.15
5	16QAM	825.5	20415	3	15	0	2.812	Fig.16
5	16QAM	836.5	20525	3	15	0	2.807	Fig.17
5	16QAM	847.5	20635	3	15	0	2.787	Fig.18
5	16QAM	826.5	20425	5	25	0	4.643	Fig.19
5	16QAM	836.5	20525	5	25	0	4.720	Fig.20
5	16QAM	846.5	20625	5	25	0	4.714	Fig.21
5	16QAM	829	20450	10	50	0	9.242	Fig.22
5	16QAM	836.5	20525	10	50	0	9.232	Fig.23
5	16QAM	844	20600	10	50	0	9.268	Fig.24

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
5	64QAM	824.7	20407	1.4	6	0	1.218	Fig.25
5	64QAM	836.5	20525	1.4	6	0	1.211	Fig.26
5	64QAM	848.3	20643	1.4	6	0	1.210	Fig.27
5	64QAM	825.5	20415	3	15	0	2.837	Fig.28
5	64QAM	836.5	20525	3	15	0	2.805	Fig.29
5	64QAM	847.5	20635	3	15	0	2.784	Fig.30
5	64QAM	826.5	20425	5	25	0	4.678	Fig.31
5	64QAM	836.5	20525	5	25	0	4.642	Fig.32
5	64QAM	846.5	20625	5	25	0	4.718	Fig.33
5	64QAM	829	20450	10	50	0	9.257	Fig.34
5	64QAM	836.5	20525	10	50	0	9.427	Fig.35
5	64QAM	844	20600	10	50	0	9.325	Fig.36