APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 12

1 RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	699.7	23017	1.4	1	0	24.38
QPSK	699.7	23017	1.4	1	3	24.55
QPSK	699.7	23017	1.4	1	5	24.26
QPSK	699.7	23017	1.4	3	0	24.51
QPSK	699.7	23017	1.4	3	1	24.52
QPSK	699.7	23017	1.4	3	3	24.47
QPSK	699.7	23017	1.4	6	0	23.41
QPSK	707.5	23095	1.4	1	0	24.33
QPSK	707.5	23095	1.4	1	3	24.24
QPSK	707.5	23095	1.4	1	5	24.22
QPSK	707.5	23095	1.4	3	0	24.24
QPSK	707.5	23095	1.4	3	1	24.36
QPSK	707.5	23095	1.4	3	3	24.37
QPSK	707.5	23095	1.4	6	0	23.38
QPSK	715.3	23173	1.4	1	0	24.16
QPSK	715.3	23173	1.4	1	3	24.11
QPSK	715.3	23173	1.4	1	5	24.11
QPSK	715.3	23173	1.4	3	0	24.05
QPSK	715.3	23173	1.4	3	1	24.16
QPSK	715.3	23173	1.4	3	3	24.17
QPSK	715.3	23173	1.4	6	0	23.26

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	699.7	23017	1.4	1	0	23.35
16QAM	699.7	23017	1.4	1	3	23.83
16QAM	699.7	23017	1.4	1	5	23.57
16QAM	699.7	23017	1.4	3	0	23.46
16QAM	699.7	23017	1.4	3	1	23.62
16QAM	699.7	23017	1.4	3	3	23.45
16QAM	699.7	23017	1.4	6	0	22.58
16QAM	707.5	23095	1.4	1	0	23.90
16QAM	707.5	23095	1.4	1	3	23.48
16QAM	707.5	23095	1.4	1	5	23.40
16QAM	707.5	23095	1.4	3	0	23.31
16QAM	707.5	23095	1.4	3	1	23.35
16QAM	707.5	23095	1.4	3	3	23.26
16QAM	707.5	23095	1.4	6	0	22.50
16QAM	715.3	23173	1.4	1	0	23.35
16QAM	715.3	23173	1.4	1	3	23.22
16QAM	715.3	23173	1.4	1	5	23.24
16QAM	715.3	23173	1.4	3	0	23.01
16QAM	715.3	23173	1.4	3	1	23.12
16QAM	715.3	23173	1.4	3	3	23.29
16QAM	715.3	23173	1.4	6	0	22.37
64QAM	699.7	23017	1.4	1	0	22.75
64QAM	699.7	23017	1.4	1	3	22.55
64QAM	699.7	23017	1.4	1	5	22.38
64QAM	699.7	23017	1.4	3	0	22.38
64QAM	699.7	23017	1.4	3	1	22.50
64QAM	699.7	23017	1.4	3	3	22.61
64QAM	699.7	23017	1.4	6	0	21.63
64QAM	707.5	23095	1.4	1	0	22.55
64QAM	707.5	23095	1.4	1	3	22.59
64QAM	707.5	23095	1.4	1	5	22.41
64QAM	707.5	23095	1.4	3	0	22.39
64QAM	707.5	23095	1.4	3	1	22.46
64QAM	707.5	23095	1.4	3	3	22.64
64QAM	707.5	23095	1.4	6	0	21.40
64QAM	715.3	23173	1.4	1	0	22.54
64QAM	715.3	23173	1.4	1	3	22.58
64QAM	715.3	23173	1.4	1	5	22.65
64QAM	715.3	23173	1.4	3	0	22.29
64QAM	715.3	23173	1.4	3	1	22.49
64QAM	715.3	23173	1.4	3	3	22.54
64QAM	715.3	23173	1.4	6	0	21.48

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	700.5	23025	3	1	0	24.38
QPSK	700.5	23025	3	1	8	24.34
QPSK	700.5	23025	3	1	14	24.30
QPSK	700.5	23025	3	8	0	23.36
QPSK	700.5	23025	3	8	4	23.41
QPSK	700.5	23025	3	8	7	23.41
QPSK	700.5	23025	3	15	0	23.45
QPSK	707.5	23095	3	1	0	24.23
QPSK	707.5	23095	3	1	8	24.37
QPSK	707.5	23095	3	1	14	24.17
QPSK	707.5	23095	3	8	0	23.43
QPSK	707.5	23095	3	8	4	23.29
QPSK	707.5	23095	3	8	7	23.20
QPSK	707.5	23095	3	15	0	23.31
QPSK	714.5	23165	3	1	0	24.20
QPSK	714.5	23165	3	1	8	24.13
QPSK	714.5	23165	3	1	14	24.08
QPSK	714.5	23165	3	8	0	23.28
QPSK	714.5	23165	3	8	4	23.23
QPSK	714.5	23165	3	8	7	23.25
QPSK	714.5	23165	3	15	0	23.31

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	700.5	23025	3	1	0	23.52
16QAM	700.5	23025	3	1	8	23.43
16QAM	700.5	23025	3	1	14	23.66
16QAM	700.5	23025	3	8	0	22.45
16QAM	700.5	23025	3	8	4	22.63
16QAM	700.5	23025	3	8	7	22.45
16QAM	700.5	23025	3	15	0	22.62
16QAM	707.5	23095	3	1	0	23.83
16QAM	707.5	23095	3	1	8	24.03
16QAM	707.5	23095	3	1	14	23.40
16QAM	707.5	23095	3	8	0	22.57
16QAM	707.5	23095	3	8	4	22.43
16QAM	707.5	23095	3	8	7	22.39
16QAM	707.5	23095	3	15	0	22.53
16QAM	714.5	23165	3	1	0	23.39
16QAM	714.5	23165	3	1	8	23.64
16QAM	714.5	23165	3	1	14	23.28
16QAM	714.5	23165	3	8	0	22.40
16QAM	714.5	23165	3	8	4	22.36
16QAM	714.5	23165	3	8	7	22.53
16QAM	714.5	23165	3	15	0	22.16
64QAM	700.5	23025	3	1	0	22.26
64QAM	700.5	23025	3	1	8	22.98
64QAM	700.5	23025	3	1	14	22.37
64QAM	700.5	23025	3	8	0	21.58
64QAM	700.5	23025	3	8	4	21.68
64QAM	700.5	23025	3	8	7	21.48
64QAM	700.5	23025	3	15	0	21.39
64QAM	707.5	23095	3	1	0	22.81
64QAM	707.5	23095	3	1	8	22.29
64QAM	707.5	23095	3	1	14	22.51
64QAM	707.5	23095	3	8	0	21.39
64QAM	707.5	23095	3	8	4	21.58
64QAM	707.5	23095	3	8	7	21.43
64QAM	707.5	23095	3	15	0	21.49
64QAM	714.5	23165	3	1	0	22.49
64QAM	714.5	23165	3	1	8	22.24
64QAM	714.5	23165	3	1	14	22.36
64QAM	714.5	23165	3	8	0	21.37
64QAM	714.5	23165	3	8	4	21.41
64QAM	714.5	23165	3	8	7	21.34
64QAM	714.5	23165	3	15	0	21.33

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	701.5	23035	5	1	0	24.36
QPSK	701.5	23035	5	1	12	24.54
QPSK	701.5	23035	5	1	24	24.30
QPSK	701.5	23035	5	12	0	23.30
QPSK	701.5	23035	5	12	7	23.53
QPSK	701.5	23035	5	12	13	23.32
QPSK	701.5	23035	5	25	0	23.40
QPSK	707.5	23095	5	1	0	24.16
QPSK	707.5	23095	5	1	12	24.29
QPSK	707.5	23095	5	1	24	24.08
QPSK	707.5	23095	5	12	0	23.31
QPSK	707.5	23095	5	12	7	23.28
QPSK	707.5	23095	5	12	13	23.32
QPSK	707.5	23095	5	25	0	23.36
QPSK	713.5	23155	5	1	0	24.04
QPSK	713.5	23155	5	1	12	24.29
QPSK	713.5	23155	5	1	24	24.04
QPSK	713.5	23155	5	12	0	23.25
QPSK	713.5	23155	5	12	7	23.30
QPSK	713.5	23155	5	12	13	23.21
QPSK	713.5	23155	5	25	0	23.21

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	701.5	23035	5	1	0	23.68
16QAM	701.5	23035	5	1	12	23.69
16QAM	701.5	23035	5	1	24	23.33
16QAM	701.5	23035	5	12	0	22.28
16QAM	701.5	23035	5	12	7	22.59
16QAM	701.5	23035	5	12	13	22.45
16QAM	701.5	23035	5	25	0	22.37
16QAM	707.5	23095	5	1	0	24.03
16QAM	707.5	23095	5	1	12	23.63
16QAM	707.5	23095	5	1	24	23.72
16QAM	707.5	23095	5	12	0	22.34
16QAM	707.5	23095	5	12	7	22.40
16QAM	707.5	23095	5	12	13	22.33
16QAM	707.5	23095	5	25	0	22.42
16QAM	713.5	23155	5	1	0	23.58
16QAM	713.5	23155	5	1	12	23.10
16QAM	713.5	23155	5	1	24	23.15
16QAM	713.5	23155	5	12	0	22.32
16QAM	713.5	23155	5	12	7	22.20
16QAM	713.5	23155	5	12	13	22.07
16QAM	713.5	23155	5	25	0	22.34
64QAM	701.5	23035	5	1	0	22.54
64QAM	701.5	23035	5	1	12	22.88
64QAM	701.5	23035	5	1	24	22.39
64QAM	701.5	23035	5	12	0	21.44
64QAM	701.5	23035	5	12	7	21.48
64QAM	701.5	23035	5	12	13	21.49
64QAM	701.5	23035	5	25	0	21.27
64QAM	707.5	23095	5	1	0	22.72
64QAM	707.5	23095	5	1	12	22.65
64QAM	707.5	23095	5	1	24	22.40
64QAM	707.5	23095	5	12	0	21.27
64QAM	707.5	23095	5	12	7	21.55
64QAM	707.5	23095	5	12	13	21.44
64QAM	707.5	23095	5	25	0	21.51
64QAM	713.5	23155	5	1	0	22.24
64QAM	713.5	23155	5	1	12	22.50
64QAM	713.5	23155	5	1	24	22.02
64QAM	713.5	23155	5	12	0	21.22
64QAM	713.5	23155	5	12	7	21.24
64QAM	713.5	23155	5	12	13	21.12
64QAM	713.5	23155	5	25	0	21.21

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	704	23060	10	1	0	24.35
QPSK	704	23060	10	1	25	24.38
QPSK	704	23060	10	1	49	24.18
QPSK	704	23060	10	25	0	23.47
QPSK	704	23060	10	25	12	23.49
QPSK	704	23060	10	25	25	23.37
QPSK	704	23060	10	50	0	23.44
QPSK	707.5	23095	10	1	0	24.30
QPSK	707.5	23095	10	1	25	24.30
QPSK	707.5	23095	10	1	49	24.09
QPSK	707.5	23095	10	25	0	23.52
QPSK	707.5	23095	10	25	12	23.34
QPSK	707.5	23095	10	25	25	23.46
QPSK	707.5	23095	10	50	0	23.46
QPSK	711	23130	10	1	0	24.19
QPSK	711	23130	10	1	25	24.32
QPSK	711	23130	10	1	49	24.08
QPSK	711	23130	10	25	0	23.29
QPSK	711	23130	10	25	12	23.31
QPSK	711	23130	10	25	25	23.07
QPSK	711	23130	10	50	0	23.25

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	704	23060	10	1	0	23.85
16QAM	704	23060	10	1	25	23.47
16QAM	704	23060	10	1	49	23.55
16QAM	704	23060	10	25	0	22.47
16QAM	704	23060	10	25	12	22.45
16QAM	704	23060	10	25	25	22.45
16QAM	704	23060	10	50	0	22.51
16QAM	707.5	23095	10	1	0	23.84
16QAM	707.5	23095	10	1	25	23.85
16QAM	707.5	23095	10	1	49	23.42
16QAM	707.5	23095	10	25	0	22.49
16QAM	707.5	23095	10	25	12	22.47
16QAM	707.5	23095	10	25	25	22.56
16QAM	707.5	23095	10	50	0	22.55
16QAM	711	23130	10	1	0	23.13
16QAM	711	23130	10	1	25	23.56
16QAM	711	23130	10	1	49	23.58
16QAM	711	23130	10	25	0	22.26
16QAM	711	23130	10	25	12	22.31
16QAM	711	23130	10	25	25	22.20
16QAM	711	23130	10	50	0	22.23
64QAM	704	23060	10	1	0	22.54
64QAM	704	23060	10	1	25	22.46
64QAM	704	23060	10	1	49	22.71
64QAM	704	23060	10	25	0	21.60
64QAM	704	23060	10	25	12	21.53
64QAM	704	23060	10	25	25	21.42
64QAM	704	23060	10	50	0	21.49
64QAM	707.5	23095	10	1	0	22.47
64QAM	707.5	23095	10	1	25	22.61
64QAM	707.5	23095	10	1	49	22.43
64QAM	707.5	23095	10	25	0	21.62
64QAM	707.5	23095	10	25	12	21.52
64QAM	707.5	23095	10	25	25	21.51
64QAM	707.5	23095	10	50	0	21.56
64QAM	711	23130	10	1	0	22.31
64QAM	711	23130	10	1	25	22.54
64QAM	711	23130	10	1	49	22.62
64QAM	711	23130	10	25	0	21.32
64QAM	711	23130	10	25	12	21.38
64QAM	711	23130	10	25	25	21.31
64QAM	711	23130	10	50	0	21.38

2 Occupied Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
12	QPSK	699.7	23017	1.4	6	0	1.070	Fig.1
12	QPSK	707.5	23095	1.4	6	0	1.070	Fig.2
12	QPSK	715.3	23173	1.4	6	0	1.070	Fig.3
12	QPSK	700.5	23025	3	15	0	2.660	Fig.4
12	QPSK	707.5	23095	3	15	0	2.670	Fig.5
12	QPSK	714.5	23165	3	15	0	2.670	Fig.6
12	QPSK	701.5	23035	5	25	0	4.460	Fig.7
12	QPSK	707.5	23095	5	25	0	4.460	Fig.8
12	QPSK	713.5	23155	5	25	0	4.460	Fig.9
12	QPSK	704	23060	10	50	0	8.910	Fig.10
12	QPSK	707.5	23095	10	50	0	8.930	Fig.11
12	QPSK	711	23130	10	50	0	8.910	Fig.12

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
12	16QAM	699.7	23017	1.4	6	0	1.080	Fig.13
12	16QAM	707.5	23095	1.4	6	0	1.080	Fig.14
12	16QAM	715.3	23173	1.4	6	0	1.080	Fig.15
12	16QAM	700.5	23025	3	15	0	2.670	Fig.16
12	16QAM	707.5	23095	3	15	0	2.680	Fig.17
12	16QAM	714.5	23165	3	15	0	2.670	Fig.18
12	16QAM	701.5	23035	5	25	0	4.450	Fig.19
12	16QAM	707.5	23095	5	25	0	4.450	Fig.20
12	16QAM	713.5	23155	5	25	0	4.470	Fig.21
12	16QAM	704	23060	10	50	0	8.920	Fig.22
12	16QAM	707.5	23095	10	50	0	8.940	Fig.23
12	16QAM	711	23130	10	50	0	8.900	Fig.24

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
12	64QAM	699.7	23017	1.4	6	0	1.070	Fig.25
12	64QAM	707.5	23095	1.4	6	0	1.070	Fig.26
12	64QAM	715.3	23173	1.4	6	0	1.070	Fig.27
12	64QAM	700.5	23025	3	15	0	2.660	Fig.28
12	64QAM	707.5	23095	3	15	0	2.680	Fig.29
12	64QAM	714.5	23165	3	15	0	2.670	Fig.30
12	64QAM	701.5	23035	5	25	0	4.460	Fig.31
12	64QAM	707.5	23095	5	25	0	4.460	Fig.32
12	64QAM	713.5	23155	5	25	0	4.460	Fig.33
12	64QAM	704	23060	10	50	0	8.910	Fig.34
12	64QAM	707.5	23095	10	50	0	8.940	Fig.35
12	64QAM	711	23130	10	50	0	8.890	Fig.36

Test Mode: QPSK

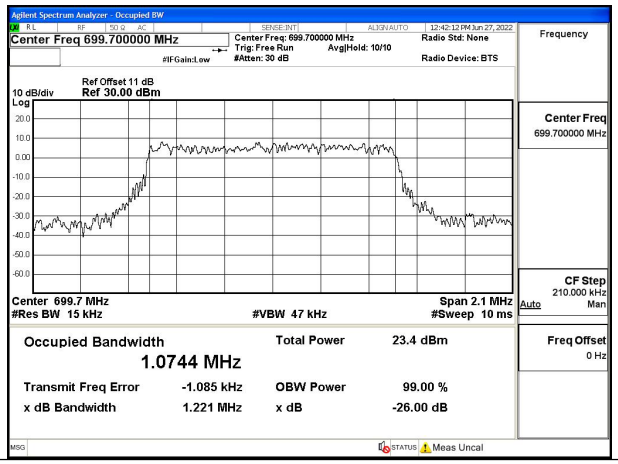

Fig.1

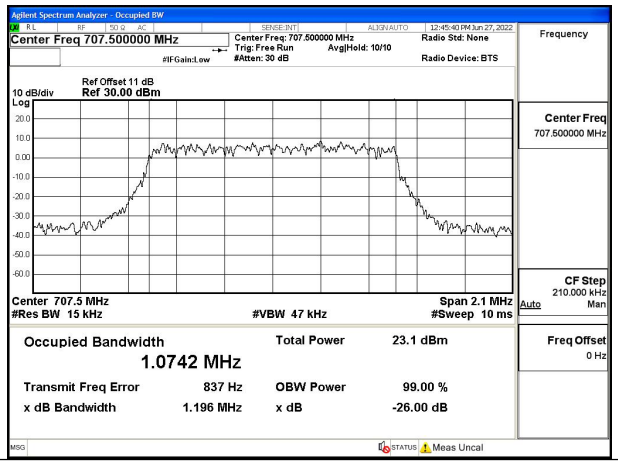

Fig.2

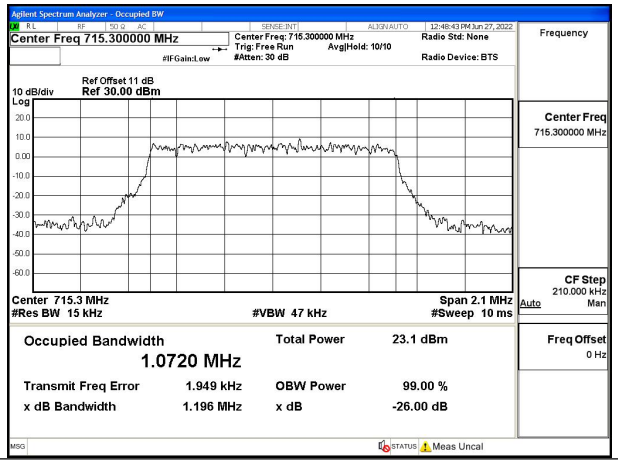

Fig.3

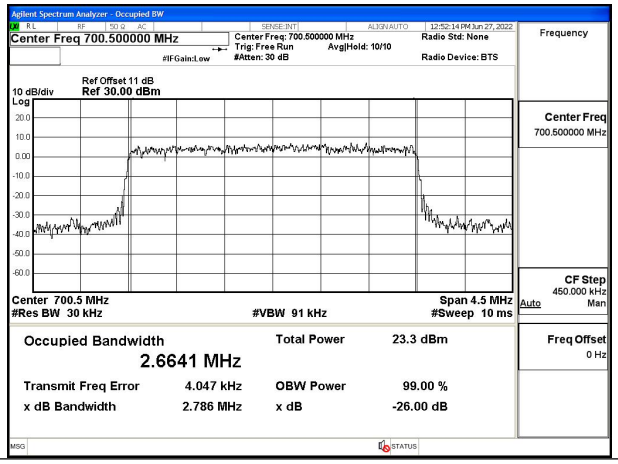

Fig.4

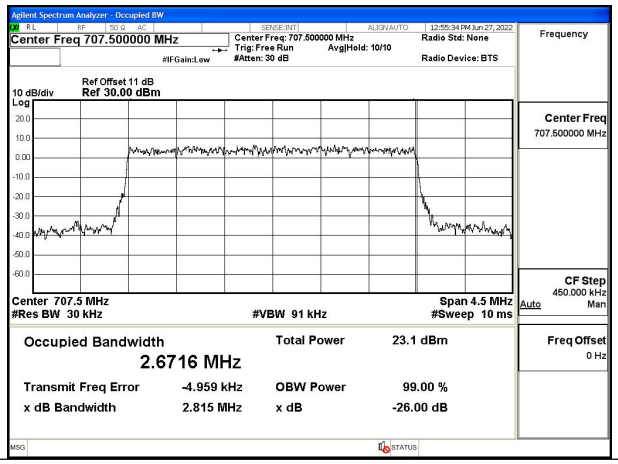

Fig.5

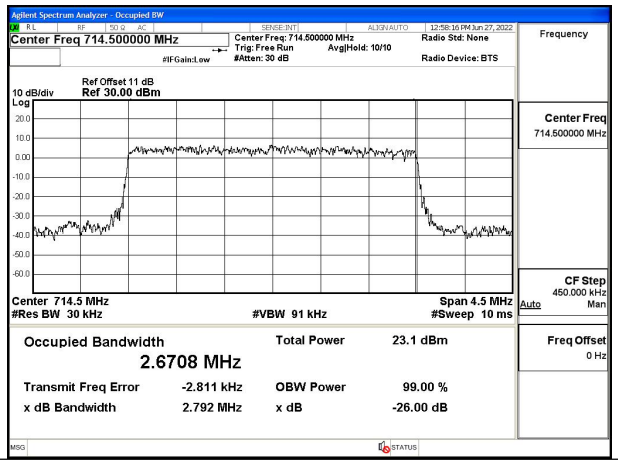

Fig.6

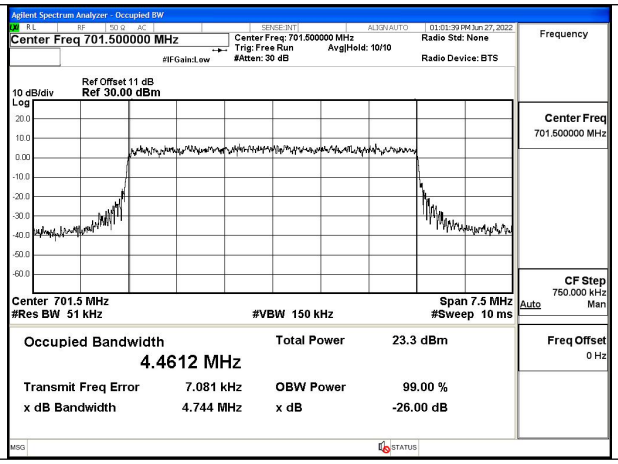

Fig.7

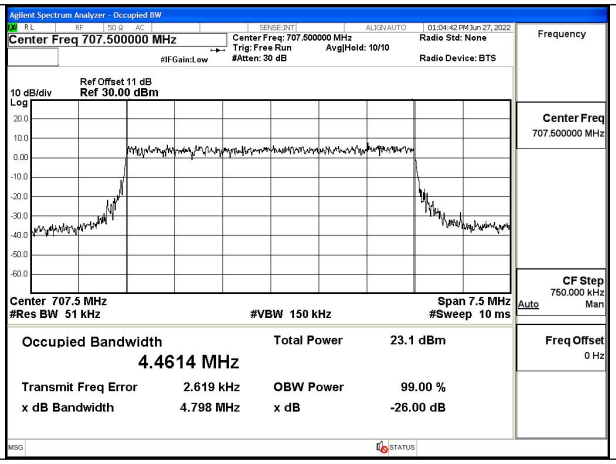

Fig.8

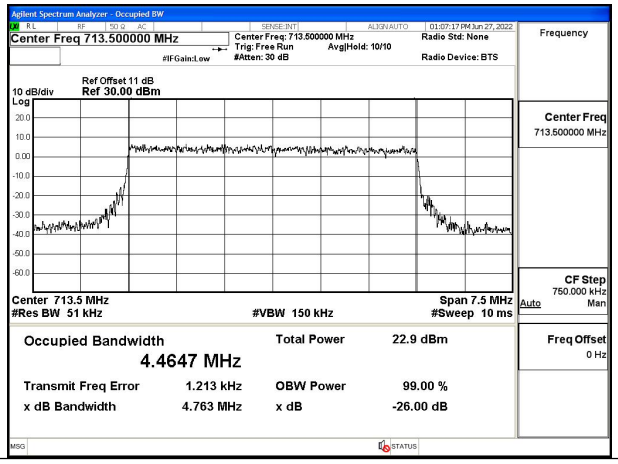

Fig.9

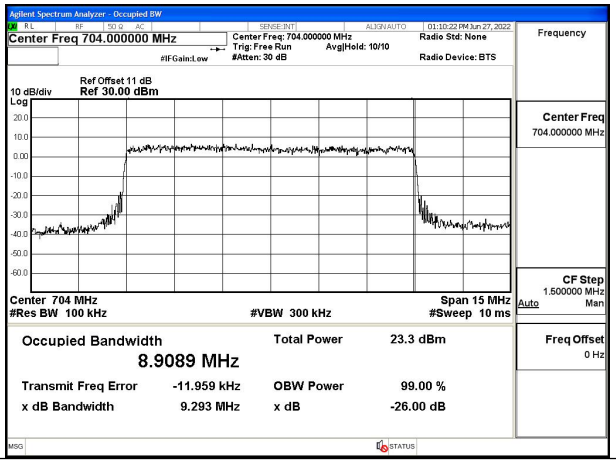

Fig.10

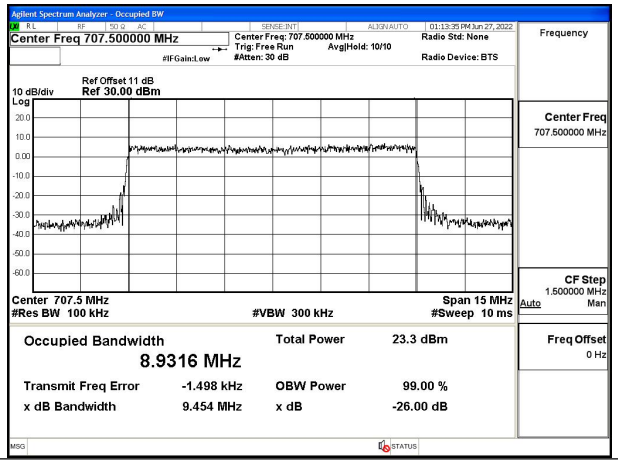

Fig.11

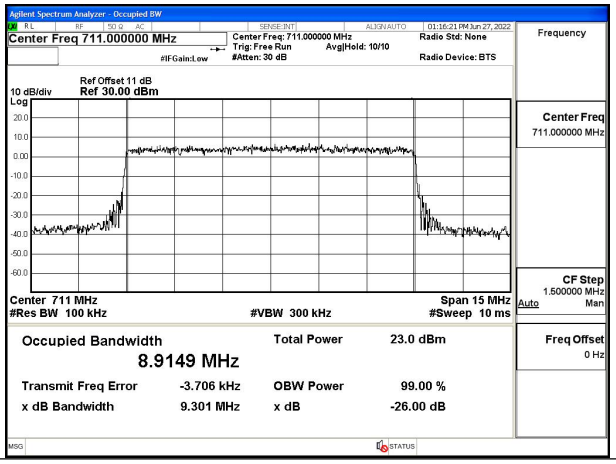

Fig.12

Test Mode: 16QAM

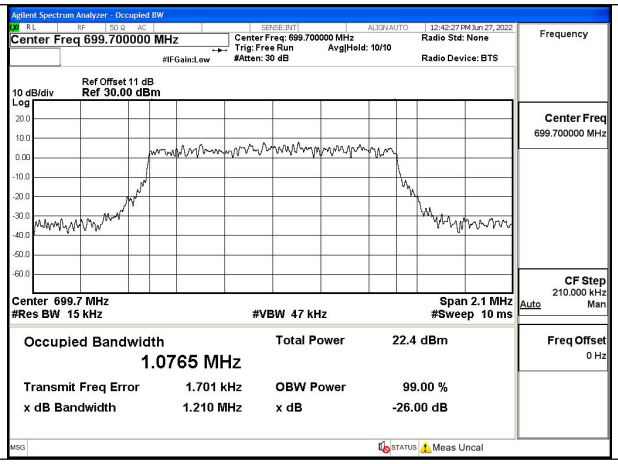

Fig.13

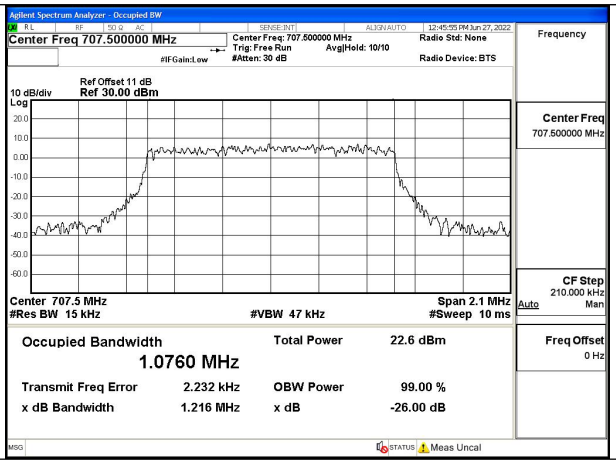

Fig.14

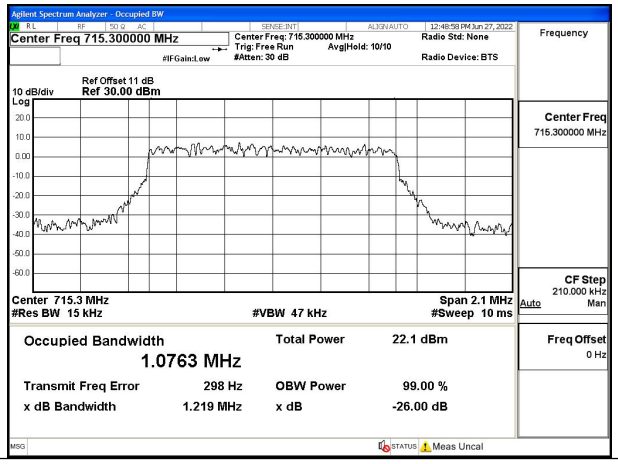

Fig.15

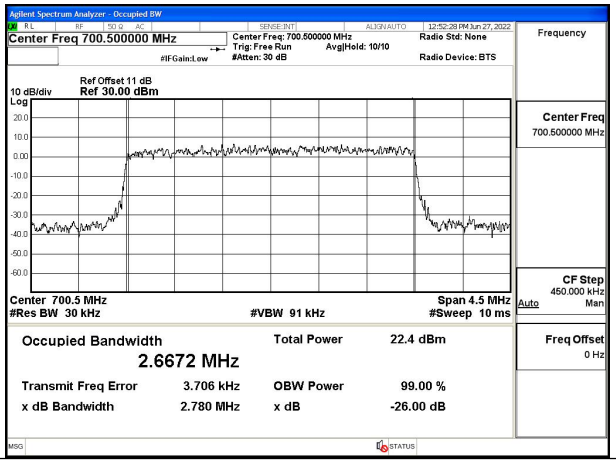

Fig.16

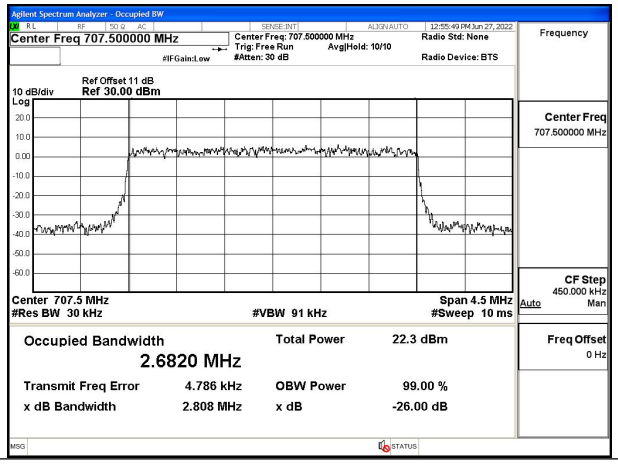

Fig.17

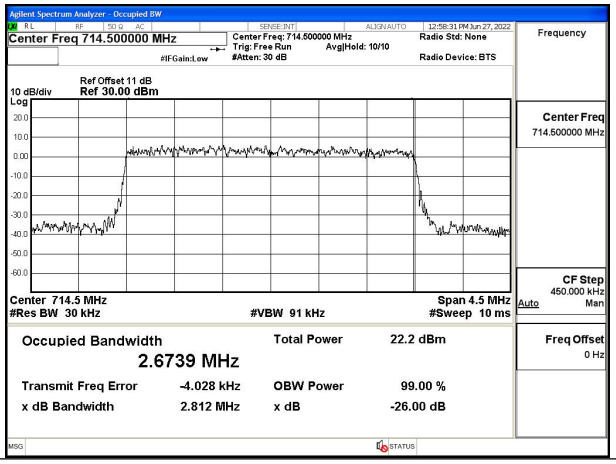

Fig.18

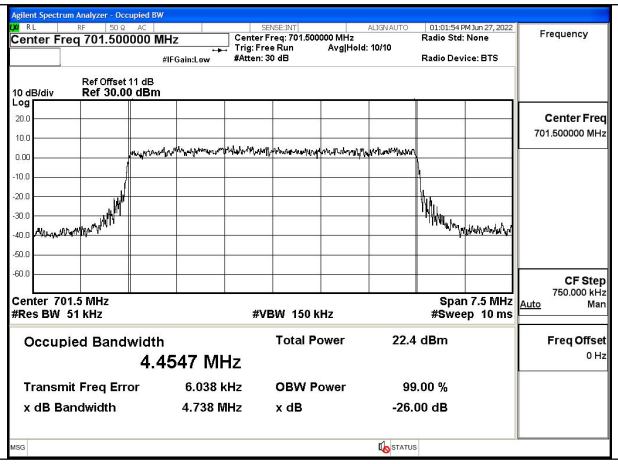

Fig.19

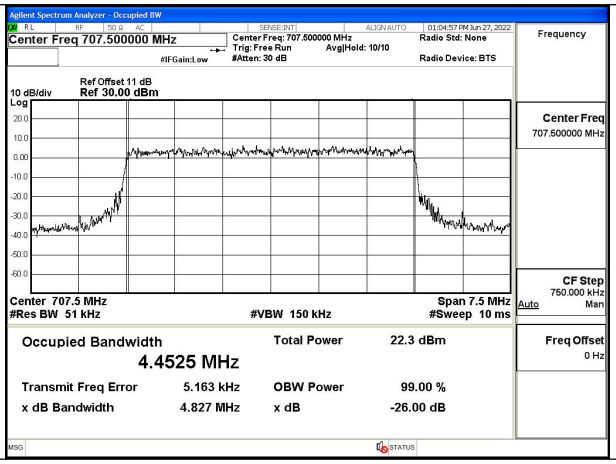

Fig.20

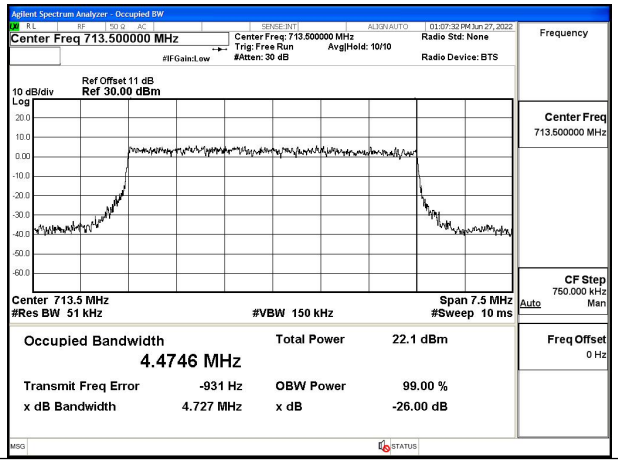

Fig.21

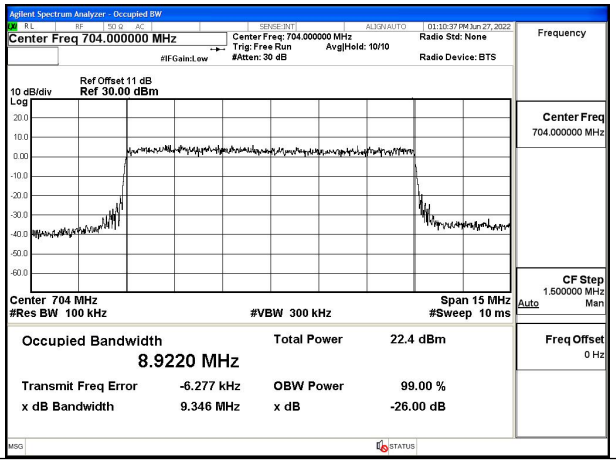

Fig.22

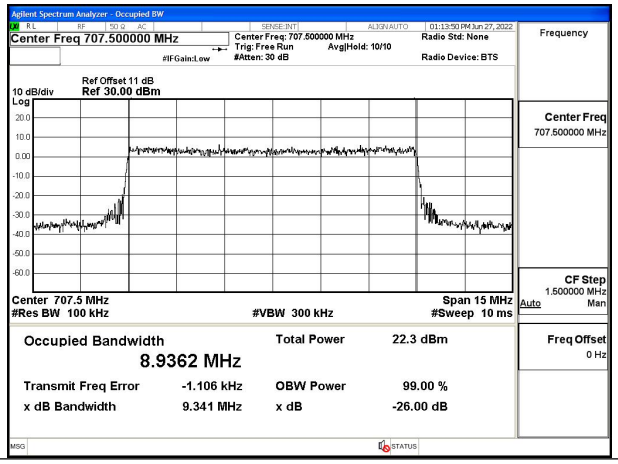

Fig.23

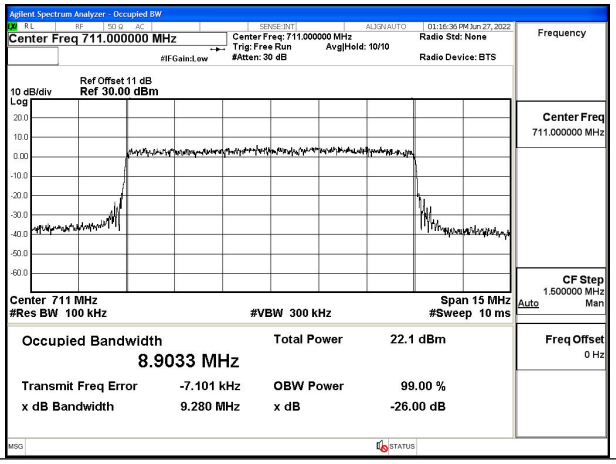

Fig.24

Test Mode: 64QAM

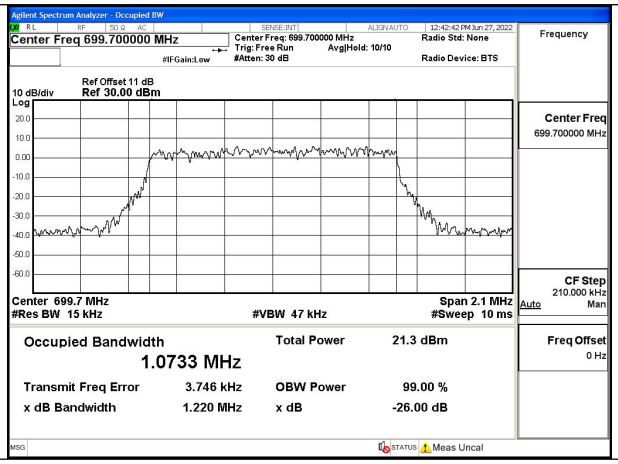

Fig.25

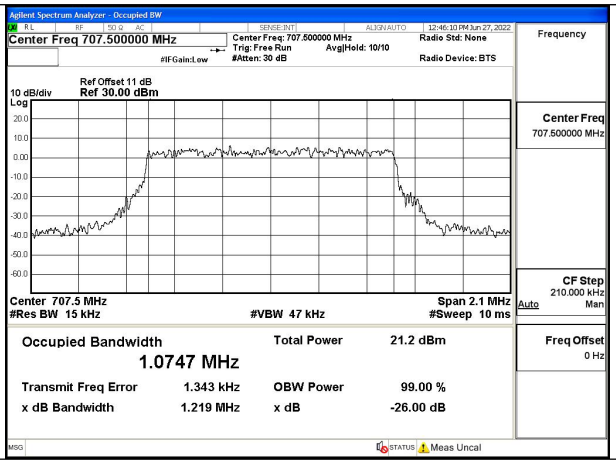

Fig.26

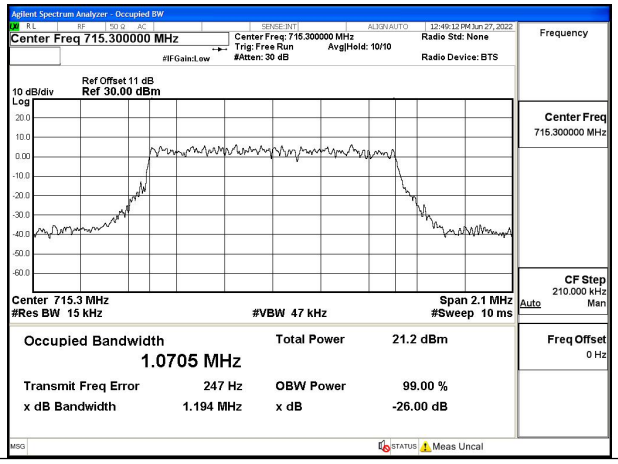

Fig.27

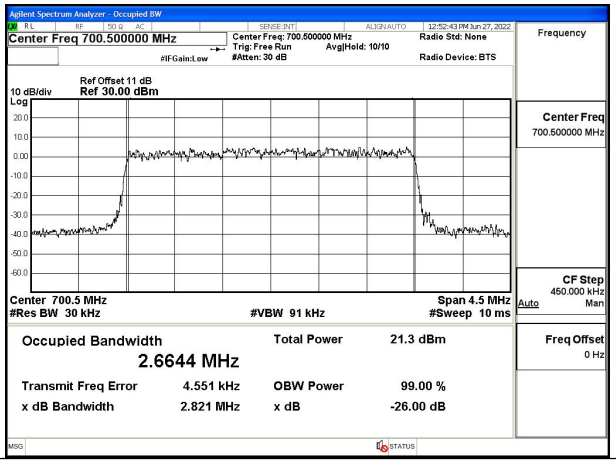

Fig.28

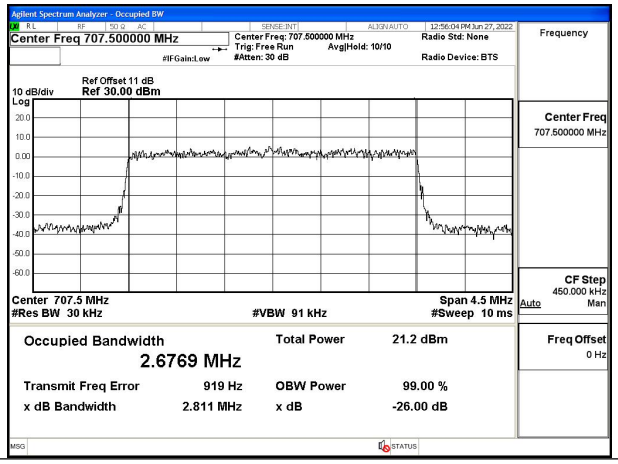

Fig.29

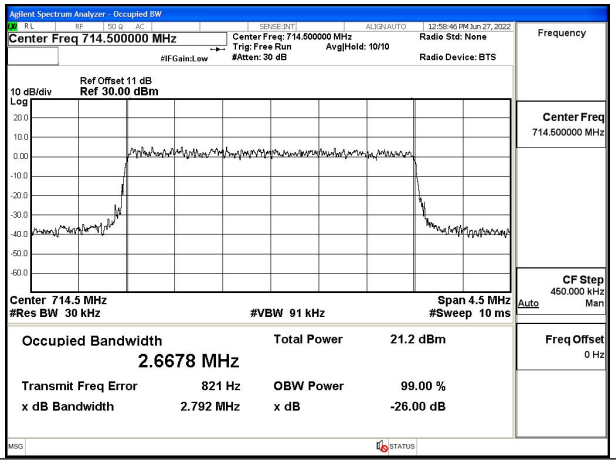

Fig.30

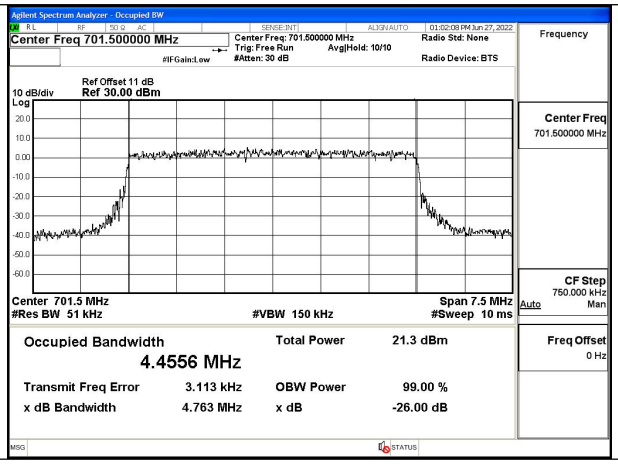

Fig.31

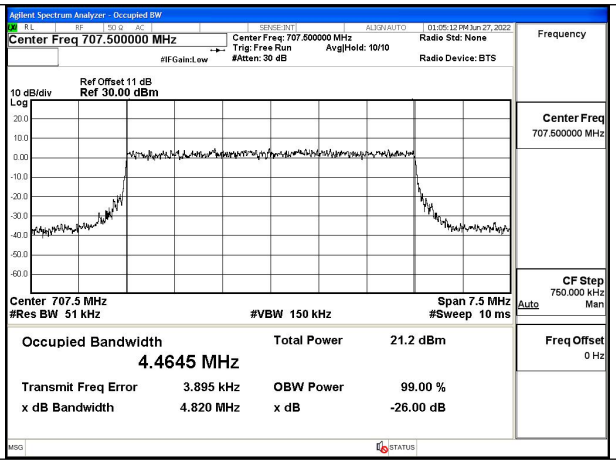

Fig.32

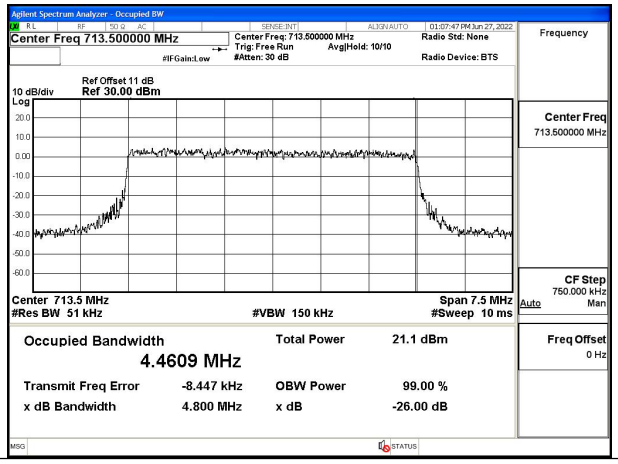

Fig.33

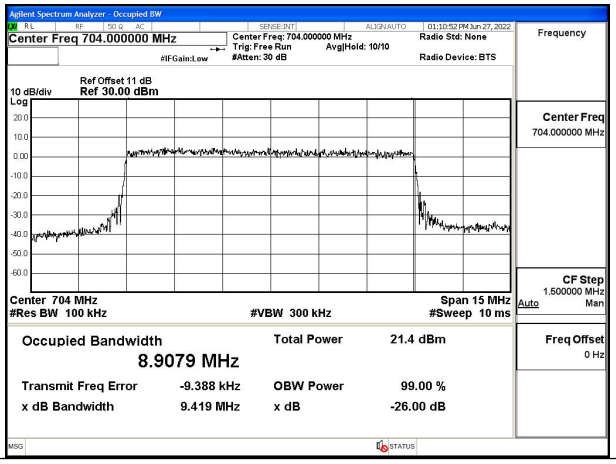

Fig.34

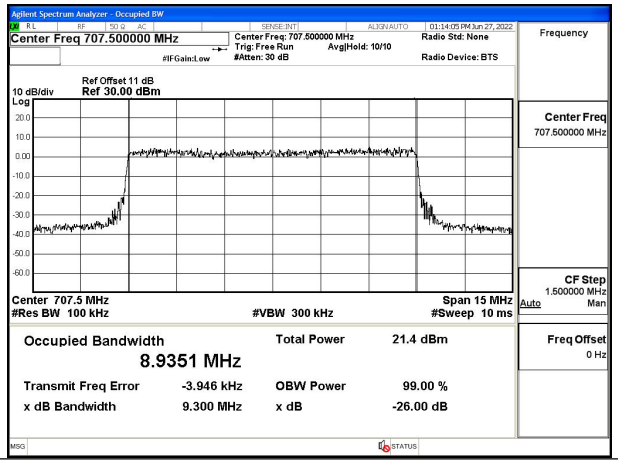

Fig.35

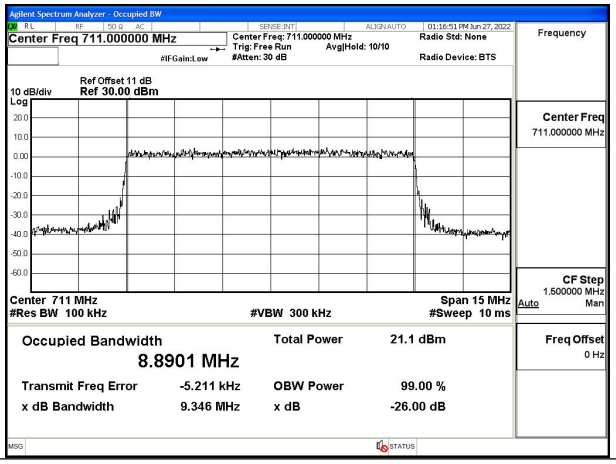

Fig.36

3 Emission Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
12	QPSK	699.7	23017	1.4	6	0	1.220	Fig.1
12	QPSK	707.5	23095	1.4	6	0	1.200	Fig.2
12	QPSK	715.3	23173	1.4	6	0	1.200	Fig.3
12	QPSK	700.5	23025	3	15	0	2.790	Fig.4
12	QPSK	707.5	23095	3	15	0	2.820	Fig.5
12	QPSK	714.5	23165	3	15	0	2.790	Fig.6
12	QPSK	701.5	23035	5	25	0	4.740	Fig.7
12	QPSK	707.5	23095	5	25	0	4.800	Fig.8
12	QPSK	713.5	23155	5	25	0	4.760	Fig.9
12	QPSK	704	23060	10	50	0	9.290	Fig.10
12	QPSK	707.5	23095	10	50	0	9.450	Fig.11
12	QPSK	711	23130	10	50	0	9.300	Fig.12

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
12	16QAM	699.7	23017	1.4	6	0	1.210	Fig.13
12	16QAM	707.5	23095	1.4	6	0	1.220	Fig.14
12	16QAM	715.3	23173	1.4	6	0	1.220	Fig.15
12	16QAM	700.5	23025	3	15	0	2.780	Fig.16
12	16QAM	707.5	23095	3	15	0	2.810	Fig.17
12	16QAM	714.5	23165	3	15	0	2.810	Fig.18
12	16QAM	701.5	23035	5	25	0	4.740	Fig.19
12	16QAM	707.5	23095	5	25	0	4.830	Fig.20
12	16QAM	713.5	23155	5	25	0	4.730	Fig.21
12	16QAM	704	23060	10	50	0	9.350	Fig.22
12	16QAM	707.5	23095	10	50	0	9.340	Fig.23
12	16QAM	711	23130	10	50	0	9.280	Fig.24

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
12	64QAM	699.7	23017	1.4	6	0	1.220	Fig.25
12	64QAM	707.5	23095	1.4	6	0	1.220	Fig.26
12	64QAM	715.3	23173	1.4	6	0	1.190	Fig.27
12	64QAM	700.5	23025	3	15	0	2.820	Fig.28
12	64QAM	707.5	23095	3	15	0	2.810	Fig.29
12	64QAM	714.5	23165	3	15	0	2.790	Fig.30
12	64QAM	701.5	23035	5	25	0	4.760	Fig.31
12	64QAM	707.5	23095	5	25	0	4.820	Fig.32
12	64QAM	713.5	23155	5	25	0	4.800	Fig.33
12	64QAM	704	23060	10	50	0	9.420	Fig.34
12	64QAM	707.5	23095	10	50	0	9.300	Fig.35
12	64QAM	711	23130	10	50	0	9.350	Fig.36

Test Mode: QPSK

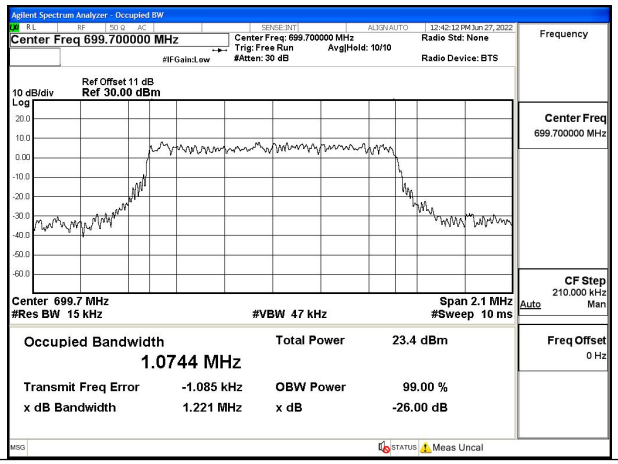

Fig.1

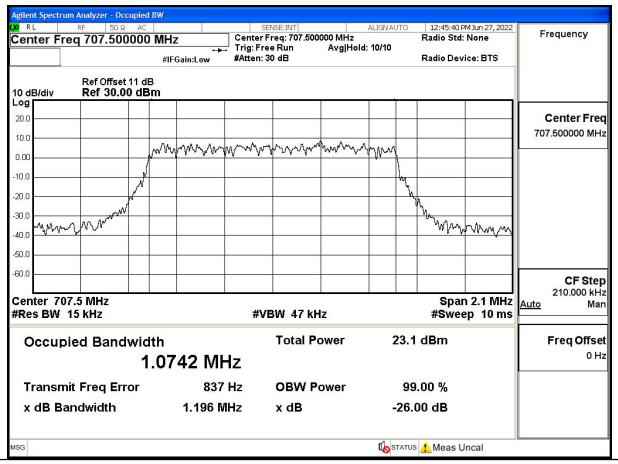

Fig.2

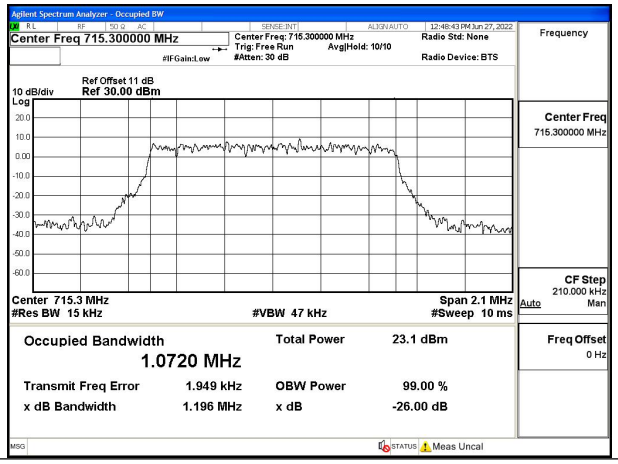

Fig.3

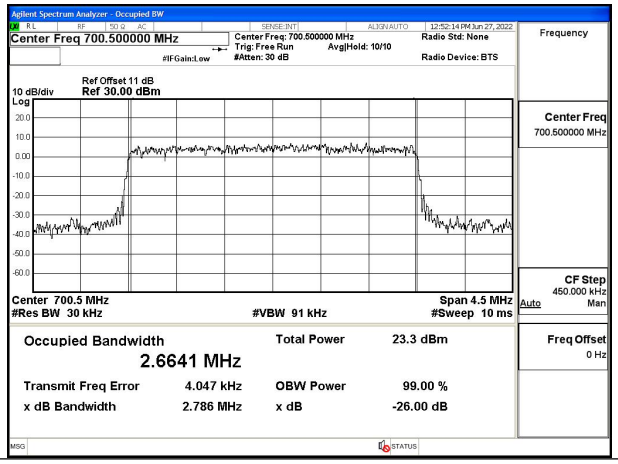

Fig.4

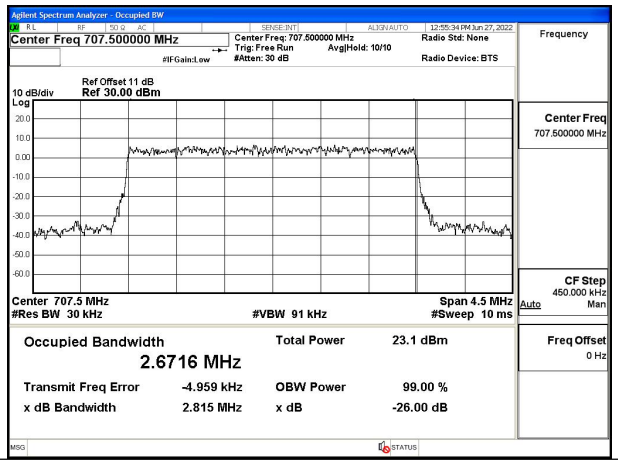

Fig.5

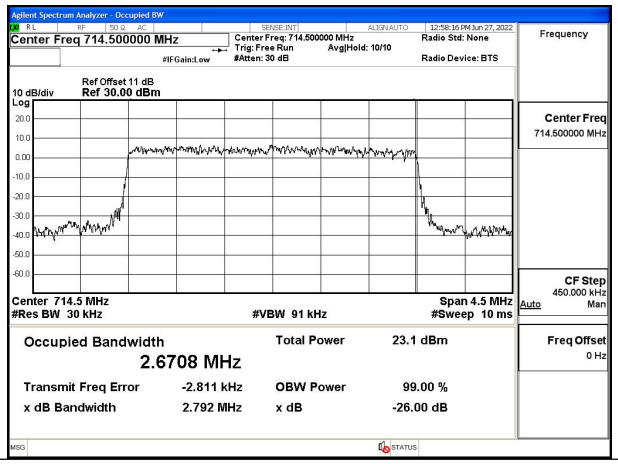

Fig.6