

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 28

1 RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	704.5	27225	3	1	0	23.31
QPSK	704.5	27225	3	1	8	23.26
QPSK	704.5	27225	3	1	14	23.31
QPSK	704.5	27225	3	8	0	22.55
QPSK	704.5	27225	3	8	4	22.40
QPSK	704.5	27225	3	8	7	22.51
QPSK	704.5	27225	3	15	0	22.50
QPSK	719.5	27375	3	1	0	23.23
QPSK	719.5	27375	3	1	8	23.22
QPSK	719.5	27375	3	1	14	23.26
QPSK	719.5	27375	3	8	0	22.30
QPSK	719.5	27375	3	8	4	22.30
QPSK	719.5	27375	3	8	7	22.21
QPSK	719.5	27375	3	15	0	22.27
QPSK	746.5	27645	3	1	0	23.14
QPSK	746.5	27645	3	1	8	23.03
QPSK	746.5	27645	3	1	14	23.18
QPSK	746.5	27645	3	8	0	22.04
QPSK	746.5	27645	3	8	4	21.93
QPSK	746.5	27645	3	8	7	22.14
QPSK	746.5	27645	3	15	0	22.04

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	704.5	27225	3	1	0	22.73
16QAM	704.5	27225	3	1	8	22.58
16QAM	704.5	27225	3	1	14	22.45
16QAM	704.5	27225	3	8	0	21.94
16QAM	704.5	27225	3	8	4	21.89
16QAM	704.5	27225	3	8	7	21.53
16QAM	704.5	27225	3	15	0	21.99
16QAM	719.5	27375	3	1	0	22.45
16QAM	719.5	27375	3	1	8	23.19
16QAM	719.5	27375	3	1	14	22.96
16QAM	719.5	27375	3	8	0	21.60
16QAM	719.5	27375	3	8	4	21.32
16QAM	719.5	27375	3	8	7	21.40
16QAM	719.5	27375	3	15	0	21.36
16QAM	746.5	27645	3	1	0	22.29
16QAM	746.5	27645	3	1	8	22.90
16QAM	746.5	27645	3	1	14	22.35
16QAM	746.5	27645	3	8	0	21.28
16QAM	746.5	27645	3	8	4	21.36
16QAM	746.5	27645	3	8	7	21.38
16QAM	746.5	27645	3	15	0	21.58
64QAM	704.5	27225	3	1	0	22.34
64QAM	704.5	27225	3	1	8	21.99
64QAM	704.5	27225	3	1	14	21.09
64QAM	704.5	27225	3	8	0	20.88
64QAM	704.5	27225	3	8	4	20.82
64QAM	704.5	27225	3	8	7	20.80
64QAM	704.5	27225	3	15	0	21.23
64QAM	719.5	27375	3	1	0	21.74
64QAM	719.5	27375	3	1	8	21.28
64QAM	719.5	27375	3	1	14	21.35
64QAM	719.5	27375	3	8	0	20.62
64QAM	719.5	27375	3	8	4	20.26
64QAM	719.5	27375	3	8	7	20.38
64QAM	719.5	27375	3	15	0	20.66
64QAM	746.5	27645	3	1	0	20.94
64QAM	746.5	27645	3	1	8	21.51
64QAM	746.5	27645	3	1	14	21.64
64QAM	746.5	27645	3	8	0	20.26
64QAM	746.5	27645	3	8	4	20.34
64QAM	746.5	27645	3	8	7	20.50
64QAM	746.5	27645	3	15	0	20.49

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	705.5	27235	5	1	0	23.25
QPSK	705.5	27235	5	1	12	23.42
QPSK	705.5	27235	5	1	24	23.23
QPSK	705.5	27235	5	12	0	22.27
QPSK	705.5	27235	5	12	7	22.33
QPSK	705.5	27235	5	12	13	22.25
QPSK	705.5	27235	5	25	0	22.23
QPSK	720.5	27385	5	1	0	23.42
QPSK	720.5	27385	5	1	12	23.42
QPSK	720.5	27385	5	1	24	23.50
QPSK	720.5	27385	5	12	0	22.01
QPSK	720.5	27385	5	12	7	22.23
QPSK	720.5	27385	5	12	13	22.34
QPSK	720.5	27385	5	25	0	22.26
QPSK	745.5	27635	5	1	0	23.07
QPSK	745.5	27635	5	1	12	23.06
QPSK	745.5	27635	5	1	24	23.13
QPSK	745.5	27635	5	12	0	22.04
QPSK	745.5	27635	5	12	7	22.36
QPSK	745.5	27635	5	12	13	21.81
QPSK	745.5	27635	5	25	0	22.12

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	705.5	27235	5	1	0	22.44
16QAM	705.5	27235	5	1	12	22.64
16QAM	705.5	27235	5	1	24	22.46
16QAM	705.5	27235	5	12	0	21.71
16QAM	705.5	27235	5	12	7	21.17
16QAM	705.5	27235	5	12	13	21.16
16QAM	705.5	27235	5	25	0	21.36
16QAM	720.5	27385	5	1	0	22.78
16QAM	720.5	27385	5	1	12	22.12
16QAM	720.5	27385	5	1	24	22.29
16QAM	720.5	27385	5	12	0	21.42
16QAM	720.5	27385	5	12	7	21.43
16QAM	720.5	27385	5	12	13	21.12
16QAM	720.5	27385	5	25	0	21.33
16QAM	745.5	27635	5	1	0	22.78
16QAM	745.5	27635	5	1	12	22.37
16QAM	745.5	27635	5	1	24	22.49
16QAM	745.5	27635	5	12	0	21.19
16QAM	745.5	27635	5	12	7	21.17
16QAM	745.5	27635	5	12	13	21.56
16QAM	745.5	27635	5	25	0	20.87
64QAM	705.5	27235	5	1	0	21.97
64QAM	705.5	27235	5	1	12	21.46
64QAM	705.5	27235	5	1	24	21.79
64QAM	705.5	27235	5	12	0	20.80
64QAM	705.5	27235	5	12	7	20.96
64QAM	705.5	27235	5	12	13	20.94
64QAM	705.5	27235	5	25	0	20.40
64QAM	720.5	27385	5	1	0	22.46
64QAM	720.5	27385	5	1	12	20.97
64QAM	720.5	27385	5	1	24	21.68
64QAM	720.5	27385	5	12	0	20.42
64QAM	720.5	27385	5	12	7	20.76
64QAM	720.5	27385	5	12	13	20.95
64QAM	720.5	27385	5	25	0	20.19
64QAM	745.5	27635	5	1	0	20.81
64QAM	745.5	27635	5	1	12	21.18
64QAM	745.5	27635	5	1	24	21.17
64QAM	745.5	27635	5	12	0	20.28
64QAM	745.5	27635	5	12	7	20.15
64QAM	745.5	27635	5	12	13	20.15
64QAM	745.5	27635	5	25	0	20.37

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	708	27260	10	1	0	23.39
QPSK	708	27260	10	1	25	23.30
QPSK	708	27260	10	1	49	23.32
QPSK	708	27260	10	25	0	22.35
QPSK	708	27260	10	25	12	22.32
QPSK	708	27260	10	25	25	22.73
QPSK	708	27260	10	50	0	22.42
QPSK	723	27410	10	1	0	23.27
QPSK	723	27410	10	1	25	22.97
QPSK	723	27410	10	1	49	23.20
QPSK	723	27410	10	25	0	22.20
QPSK	723	27410	10	25	12	22.11
QPSK	723	27410	10	25	25	22.20
QPSK	723	27410	10	50	0	22.38
QPSK	743	27610	10	1	0	23.01
QPSK	743	27610	10	1	25	22.98
QPSK	743	27610	10	1	49	23.23
QPSK	743	27610	10	25	0	22.09
QPSK	743	27610	10	25	12	21.91
QPSK	743	27610	10	25	25	22.02
QPSK	743	27610	10	50	0	22.03

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	708	27260	10	1	0	23.21
16QAM	708	27260	10	1	25	22.81
16QAM	708	27260	10	1	49	22.83
16QAM	708	27260	10	25	0	21.16
16QAM	708	27260	10	25	12	21.51
16QAM	708	27260	10	25	25	21.73
16QAM	708	27260	10	50	0	21.53
16QAM	723	27410	10	1	0	22.45
16QAM	723	27410	10	1	25	22.59
16QAM	723	27410	10	1	49	22.53
16QAM	723	27410	10	25	0	21.27
16QAM	723	27410	10	25	12	21.11
16QAM	723	27410	10	25	25	20.99
16QAM	723	27410	10	50	0	21.18
16QAM	743	27610	10	1	0	22.33
16QAM	743	27610	10	1	25	22.28
16QAM	743	27610	10	1	49	22.29
16QAM	743	27610	10	25	0	20.96
16QAM	743	27610	10	25	12	21.05
16QAM	743	27610	10	25	25	20.86
16QAM	743	27610	10	50	0	20.86
64QAM	708	27260	10	1	0	21.94
64QAM	708	27260	10	1	25	21.41
64QAM	708	27260	10	1	49	21.62
64QAM	708	27260	10	25	0	20.86
64QAM	708	27260	10	25	12	20.69
64QAM	708	27260	10	25	25	20.66
64QAM	708	27260	10	50	0	20.83
64QAM	723	27410	10	1	0	21.59
64QAM	723	27410	10	1	25	21.76
64QAM	723	27410	10	1	49	21.55
64QAM	723	27410	10	25	0	20.28
64QAM	723	27410	10	25	12	20.44
64QAM	723	27410	10	25	25	20.54
64QAM	723	27410	10	50	0	20.41
64QAM	743	27610	10	1	0	20.53
64QAM	743	27610	10	1	25	21.69
64QAM	743	27610	10	1	49	21.24
64QAM	743	27610	10	25	0	20.58
64QAM	743	27610	10	25	12	20.41
64QAM	743	27610	10	25	25	20.15
64QAM	743	27610	10	50	0	20.28

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	710.5	27285	15	1	0	23.42
QPSK	710.5	27285	15	1	37	23.33
QPSK	710.5	27285	15	1	74	23.38
QPSK	710.5	27285	15	36	0	22.41
QPSK	710.5	27285	15	36	29	22.33
QPSK	710.5	27285	15	36	30	22.36
QPSK	710.5	27285	15	75	0	22.69
QPSK	725.5	27435	15	1	0	23.41
QPSK	725.5	27435	15	1	37	23.32
QPSK	725.5	27435	15	1	74	23.26
QPSK	725.5	27435	15	36	0	22.37
QPSK	725.5	27435	15	36	29	22.20
QPSK	725.5	27435	15	36	30	22.19
QPSK	725.5	27435	15	75	0	22.14
QPSK	740.5	27585	15	1	0	23.31
QPSK	740.5	27585	15	1	37	22.95
QPSK	740.5	27585	15	1	74	23.23
QPSK	740.5	27585	15	36	0	22.34
QPSK	740.5	27585	15	36	29	22.06
QPSK	740.5	27585	15	36	30	22.06
QPSK	740.5	27585	15	75	0	22.00

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	710.5	27285	15	1	0	23.06
16QAM	710.5	27285	15	1	37	22.89
16QAM	710.5	27285	15	1	74	22.61
16QAM	710.5	27285	15	36	0	21.55
16QAM	710.5	27285	15	36	29	21.40
16QAM	710.5	27285	15	36	30	21.24
16QAM	710.5	27285	15	75	0	21.55
16QAM	725.5	27435	15	1	0	23.25
16QAM	725.5	27435	15	1	37	22.92
16QAM	725.5	27435	15	1	74	22.45
16QAM	725.5	27435	15	36	0	21.19
16QAM	725.5	27435	15	36	29	21.00
16QAM	725.5	27435	15	36	30	20.98
16QAM	725.5	27435	15	75	0	21.15
16QAM	740.5	27585	15	1	0	22.78
16QAM	740.5	27585	15	1	37	22.97
16QAM	740.5	27585	15	1	74	22.13
16QAM	740.5	27585	15	36	0	21.09
16QAM	740.5	27585	15	36	29	21.25
16QAM	740.5	27585	15	36	30	21.05
16QAM	740.5	27585	15	75	0	21.14
64QAM	710.5	27285	15	1	0	21.55
64QAM	710.5	27285	15	1	37	21.57
64QAM	710.5	27285	15	1	74	21.79
64QAM	710.5	27285	15	36	0	20.87
64QAM	710.5	27285	15	36	29	20.39
64QAM	710.5	27285	15	36	30	20.19
64QAM	710.5	27285	15	75	0	20.75
64QAM	725.5	27435	15	1	0	21.71
64QAM	725.5	27435	15	1	37	20.84
64QAM	725.5	27435	15	1	74	20.64
64QAM	725.5	27435	15	36	0	21.16
64QAM	725.5	27435	15	36	29	20.68
64QAM	725.5	27435	15	36	30	20.34
64QAM	725.5	27435	15	75	0	20.39
64QAM	740.5	27585	15	1	0	21.51
64QAM	740.5	27585	15	1	37	21.34
64QAM	740.5	27585	15	1	74	21.03
64QAM	740.5	27585	15	36	0	20.02
64QAM	740.5	27585	15	36	29	20.11
64QAM	740.5	27585	15	36	30	19.91
64QAM	740.5	27585	15	75	0	20.22

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	713	27310	20	1	0	23.52
QPSK	713	27310	20	1	49	23.07
QPSK	713	27310	20	1	99	23.31
QPSK	713	27310	20	50	0	22.32
QPSK	713	27310	20	50	24	22.49
QPSK	713	27310	20	50	50	22.37
QPSK	713	27310	20	100	0	22.25
QPSK	728	27460	20	1	0	23.43
QPSK	728	27460	20	1	49	23.48
QPSK	728	27460	20	1	99	22.87
QPSK	728	27460	20	50	0	22.24
QPSK	728	27460	20	50	24	22.10
QPSK	728	27460	20	50	50	22.10
QPSK	728	27460	20	100	0	22.20
QPSK	738	27560	20	1	0	23.17
QPSK	738	27560	20	1	49	23.01
QPSK	738	27560	20	1	99	23.13
QPSK	738	27560	20	50	0	22.27
QPSK	738	27560	20	50	24	21.89
QPSK	738	27560	20	50	50	22.19
QPSK	738	27560	20	100	0	22.26

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	713	27310	20	1	0	22.52
16QAM	713	27310	20	1	49	22.52
16QAM	713	27310	20	1	99	22.19
16QAM	713	27310	20	50	0	21.65
16QAM	713	27310	20	50	24	21.24
16QAM	713	27310	20	50	50	21.66
16QAM	713	27310	20	100	0	21.17
16QAM	728	27460	20	1	0	23.18
16QAM	728	27460	20	1	49	22.69
16QAM	728	27460	20	1	99	23.14
16QAM	728	27460	20	50	0	21.25
16QAM	728	27460	20	50	24	20.93
16QAM	728	27460	20	50	50	21.23
16QAM	728	27460	20	100	0	21.33
16QAM	738	27560	20	1	0	21.96
16QAM	738	27560	20	1	49	22.59
16QAM	738	27560	20	1	99	22.09
16QAM	738	27560	20	50	0	21.04
16QAM	738	27560	20	50	24	21.09
16QAM	738	27560	20	50	50	21.01
16QAM	738	27560	20	100	0	21.10
64QAM	713	27310	20	1	0	22.66
64QAM	713	27310	20	1	49	21.51
64QAM	713	27310	20	1	99	21.58
64QAM	713	27310	20	50	0	20.90
64QAM	713	27310	20	50	24	20.32
64QAM	713	27310	20	50	50	20.72
64QAM	713	27310	20	100	0	20.49
64QAM	728	27460	20	1	0	21.77
64QAM	728	27460	20	1	49	21.46
64QAM	728	27460	20	1	99	20.98
64QAM	728	27460	20	50	0	20.39
64QAM	728	27460	20	50	24	20.29
64QAM	728	27460	20	50	50	20.93
64QAM	728	27460	20	100	0	20.13
64QAM	738	27560	20	1	0	21.63
64QAM	738	27560	20	1	49	21.53
64QAM	738	27560	20	1	99	21.54
64QAM	738	27560	20	50	0	20.82
64QAM	738	27560	20	50	24	20.29
64QAM	738	27560	20	50	50	20.30
64QAM	738	27560	20	100	0	20.29

2 Occupied Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
28	QPSK	704.5	27225	3	15	0	2.680	Fig.1
28	QPSK	719.5	27375	3	15	0	2.670	Fig.2
28	QPSK	746.5	27645	3	15	0	2.680	Fig.3
28	QPSK	705.5	27235	5	25	0	4.450	Fig.4
28	QPSK	720.5	27385	5	25	0	4.460	Fig.5
28	QPSK	745.5	27635	5	25	0	4.460	Fig.6
28	QPSK	708	27260	10	50	0	8.930	Fig.7
28	QPSK	723	27410	10	50	0	8.940	Fig.8
28	QPSK	743	27610	10	50	0	8.920	Fig.9
28	QPSK	710.5	27285	15	75	0	13.360	Fig.10
28	QPSK	725.5	27435	15	75	0	13.380	Fig.11
28	QPSK	740.5	27585	15	75	0	13.350	Fig.12
28	QPSK	713	27310	20	100	0	17.830	Fig.13
28	QPSK	728	27460	20	100	0	17.860	Fig.14
28	QPSK	738	27560	20	100	0	17.850	Fig.15

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
28	16QAM	704.5	27225	3	15	0	2.680	Fig.16
28	16QAM	719.5	27375	3	15	0	2.670	Fig.17
28	16QAM	746.5	27645	3	15	0	2.680	Fig.18
28	16QAM	705.5	27235	5	25	0	4.460	Fig.19
28	16QAM	720.5	27385	5	25	0	4.460	Fig.20
28	16QAM	745.5	27635	5	25	0	4.460	Fig.21
28	16QAM	708	27260	10	50	0	8.920	Fig.22
28	16QAM	723	27410	10	50	0	8.910	Fig.23
28	16QAM	743	27610	10	50	0	8.920	Fig.24
28	16QAM	710.5	27285	15	75	0	13.370	Fig.25
28	16QAM	725.5	27435	15	75	0	13.380	Fig.26
28	16QAM	740.5	27585	15	75	0	13.360	Fig.27
28	16QAM	713	27310	20	100	0	17.830	Fig.28
28	16QAM	728	27460	20	100	0	17.890	Fig.29
28	16QAM	738	27560	20	100	0	17.860	Fig.30

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
28	64QAM	704.5	27225	3	15	0	2.680	Fig.31
28	64QAM	719.5	27375	3	15	0	2.680	Fig.32
28	64QAM	746.5	27645	3	15	0	2.680	Fig.33
28	64QAM	705.5	27235	5	25	0	4.450	Fig.34
28	64QAM	720.5	27385	5	25	0	4.440	Fig.35
28	64QAM	745.5	27635	5	25	0	4.470	Fig.36
28	64QAM	708	27260	10	50	0	8.910	Fig.37
28	64QAM	723	27410	10	50	0	8.930	Fig.38
28	64QAM	743	27610	10	50	0	8.920	Fig.39
28	64QAM	710.5	27285	15	75	0	13.350	Fig.40
28	64QAM	725.5	27435	15	75	0	13.370	Fig.41
28	64QAM	740.5	27585	15	75	0	13.360	Fig.42
28	64QAM	713	27310	20	100	0	17.830	Fig.43
28	64QAM	728	27460	20	100	0	17.870	Fig.44
28	64QAM	738	27560	20	100	0	17.880	Fig.45

Test Mode: QPSK

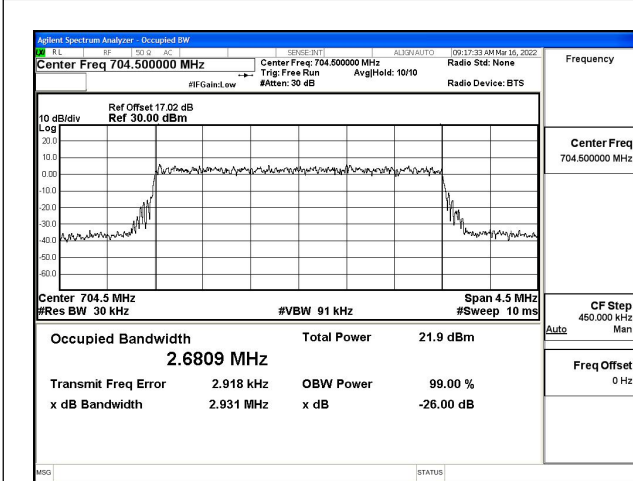


Fig.1

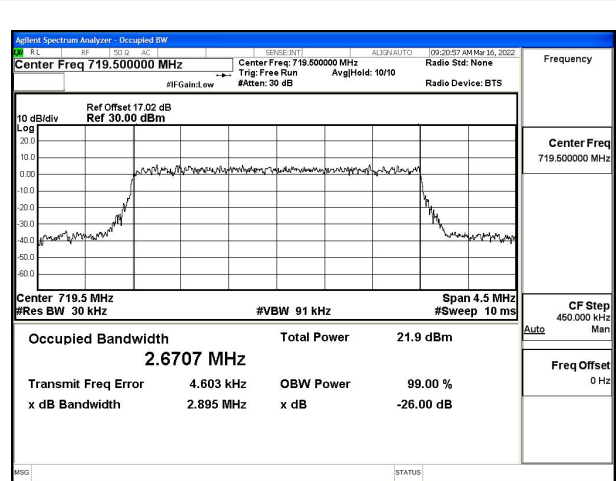


Fig.2

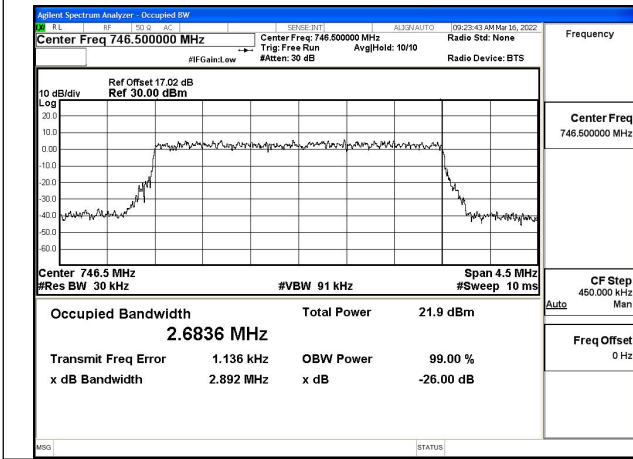


Fig.3

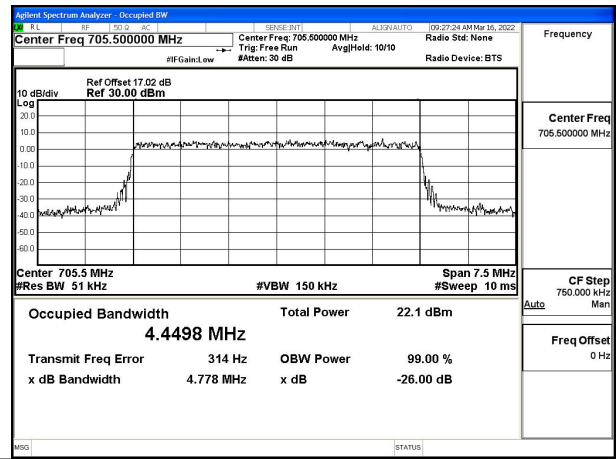


Fig.4

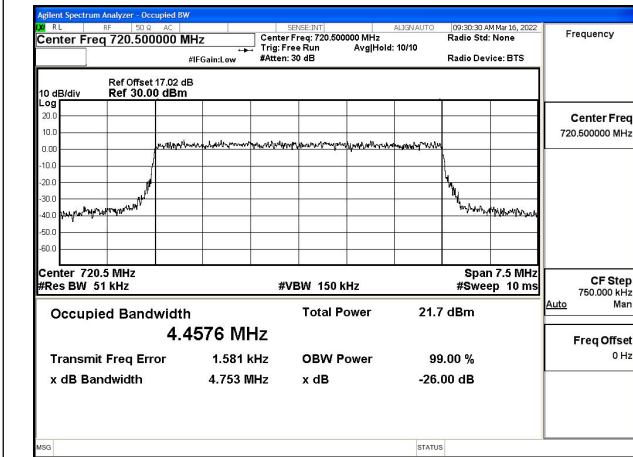


Fig.5

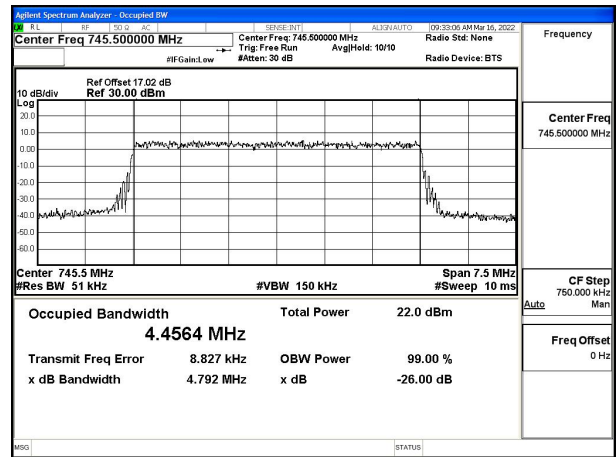


Fig.6

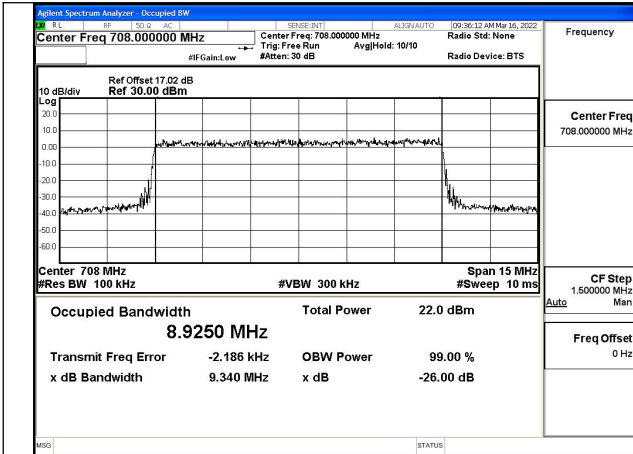


Fig.7

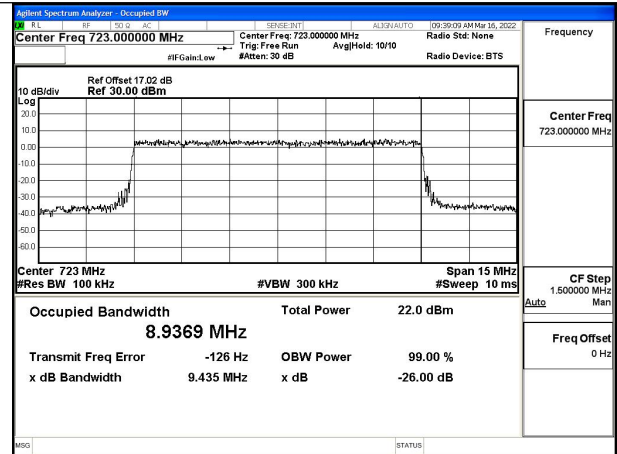


Fig.8

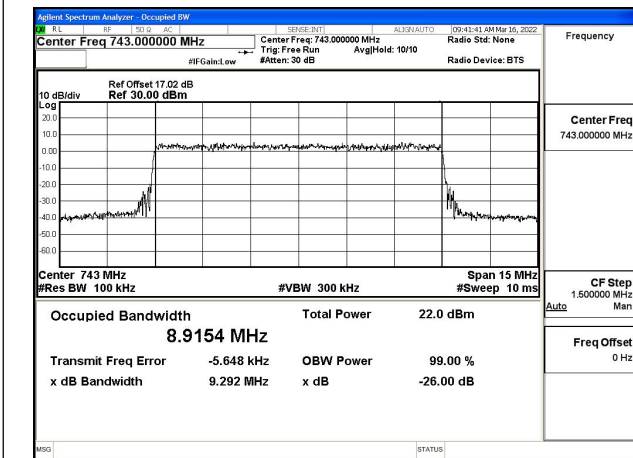


Fig.9

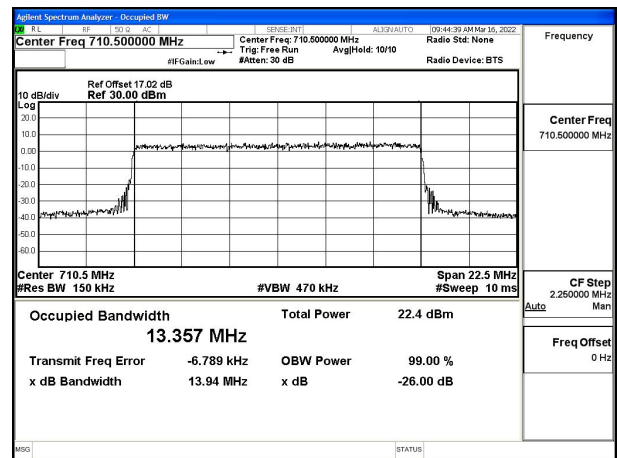


Fig.10

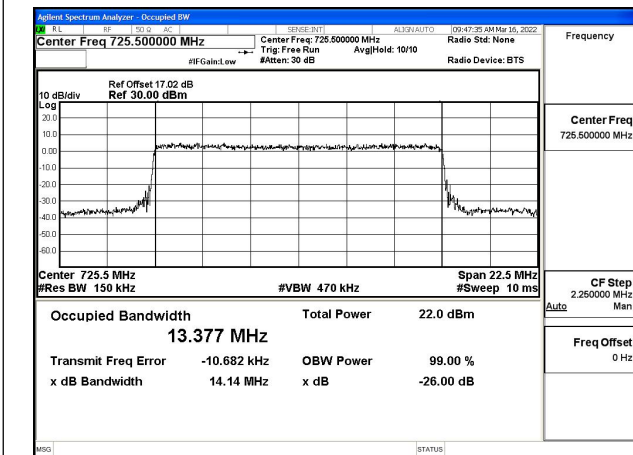


Fig.11

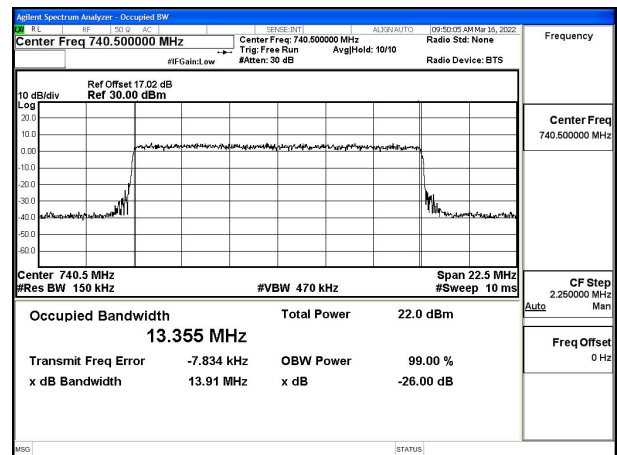


Fig.12

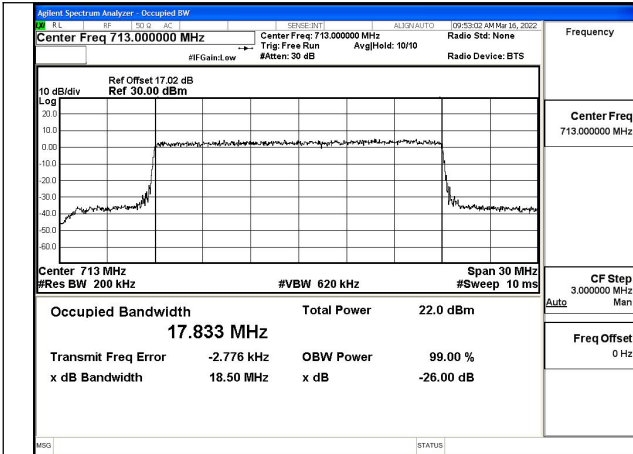


Fig.13

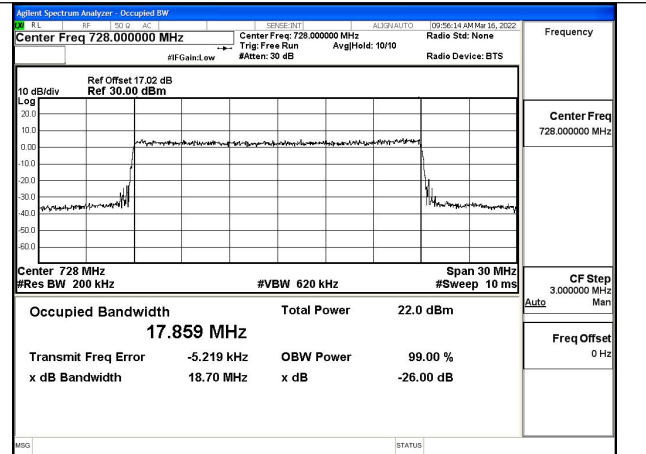


Fig.14

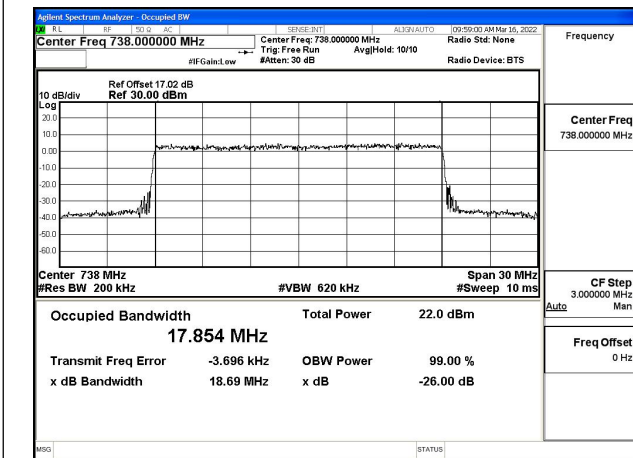


Fig.15

Test Mode: 16QAM

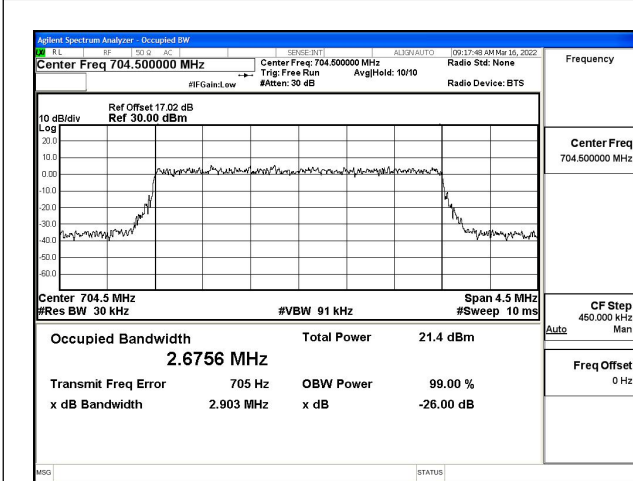


Fig.16

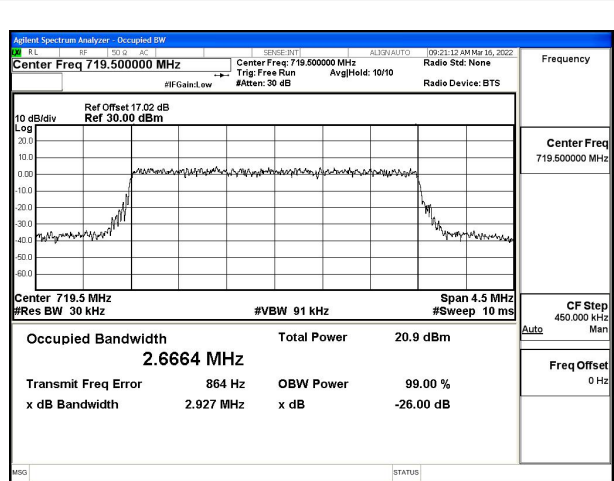


Fig.17

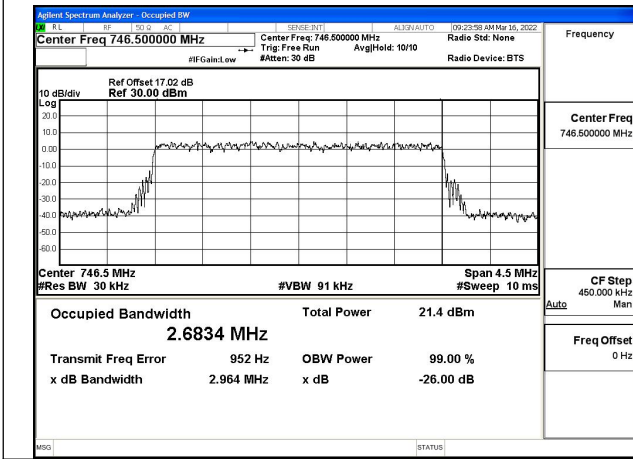


Fig.18

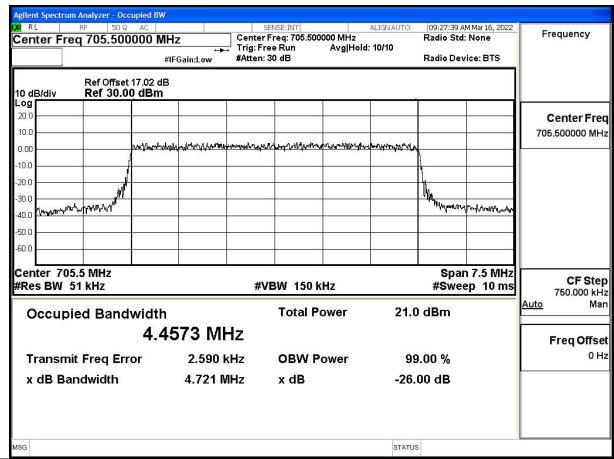


Fig.19

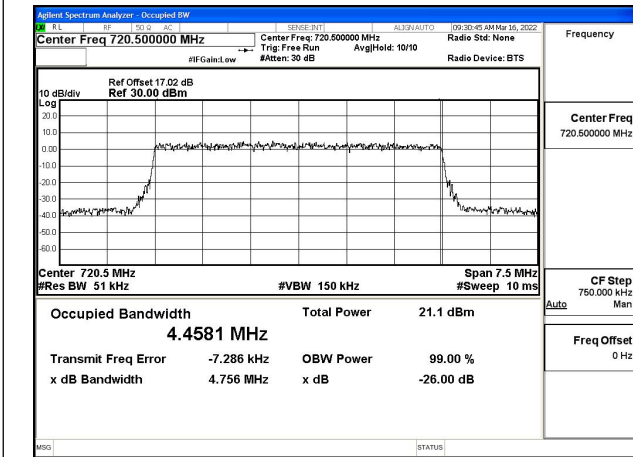


Fig.20

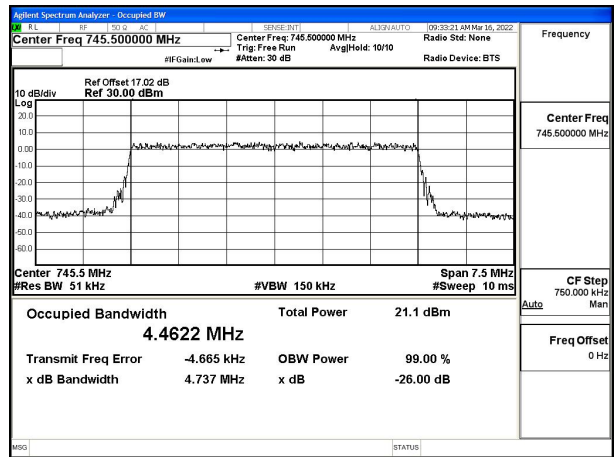


Fig.21

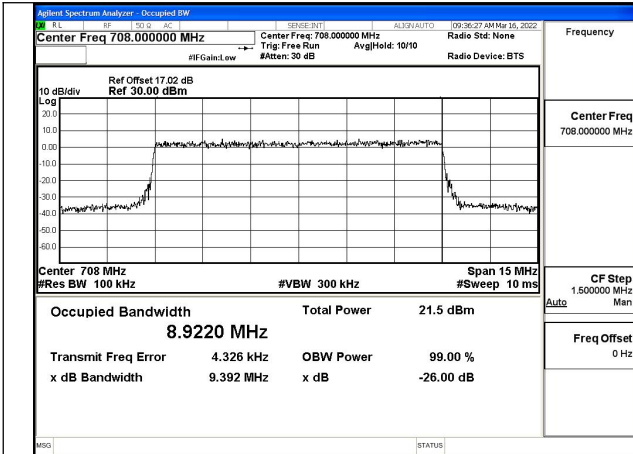


Fig.22

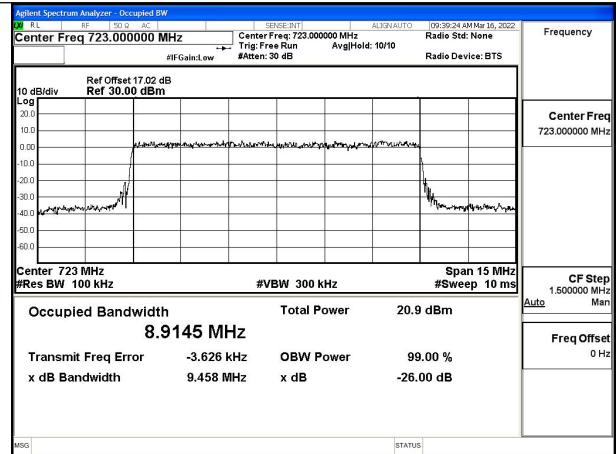


Fig.23

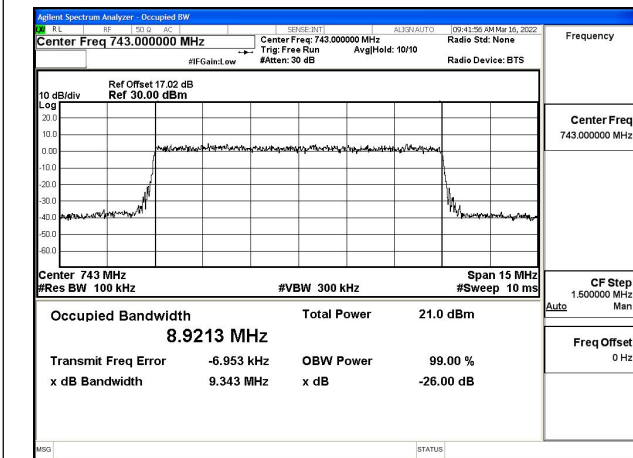


Fig.24

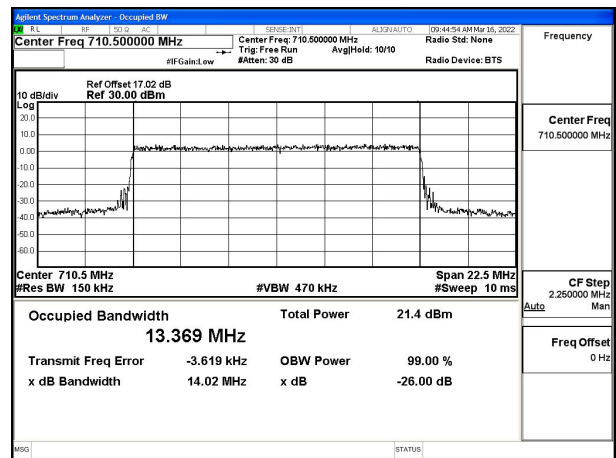


Fig.25

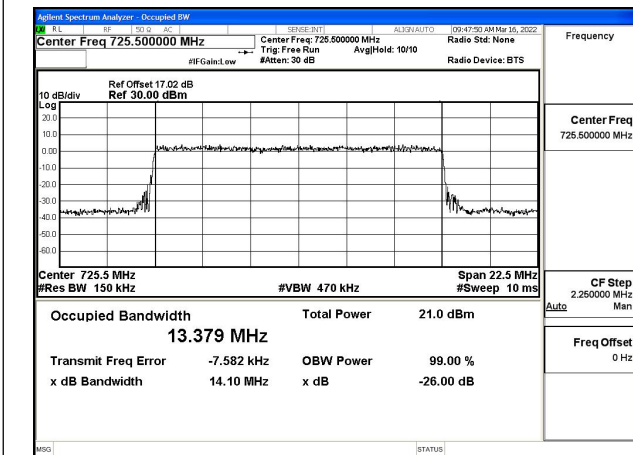


Fig.26

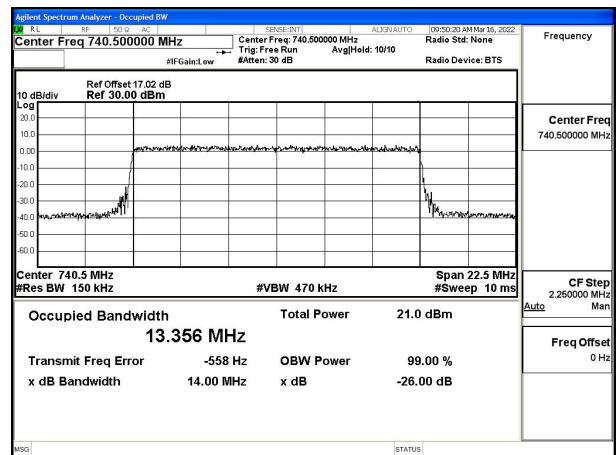


Fig.27

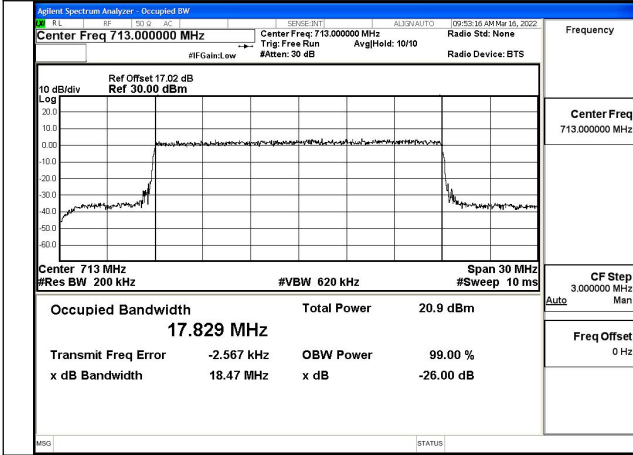


Fig.28

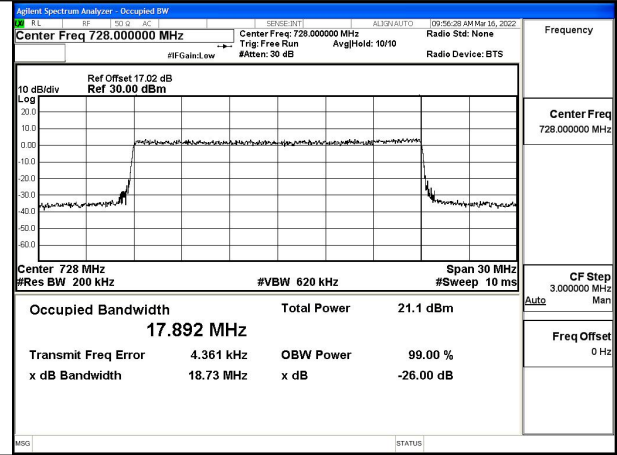


Fig.29

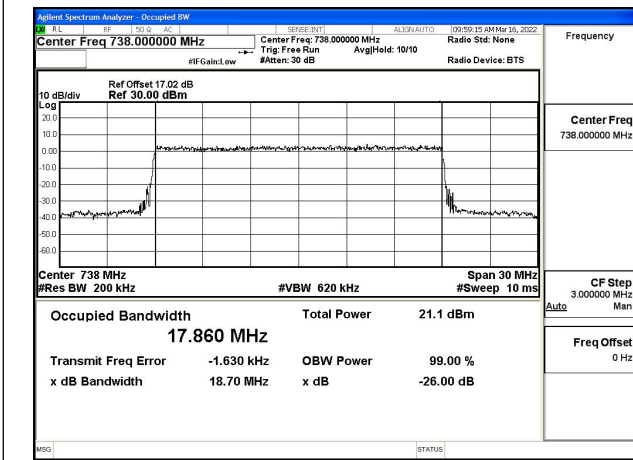


Fig.30

Test Mode: 64QAM

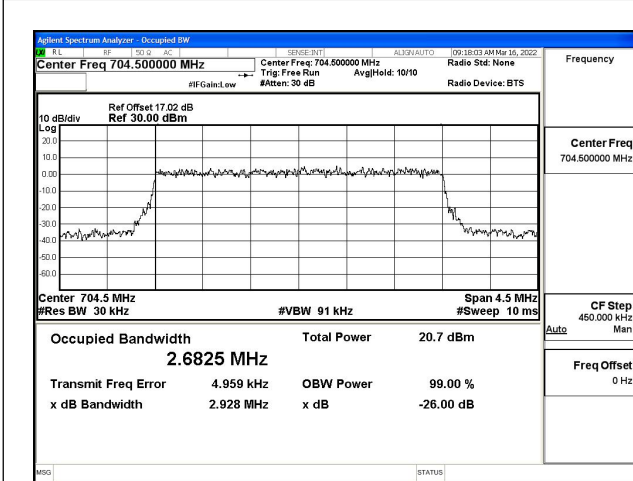


Fig.31

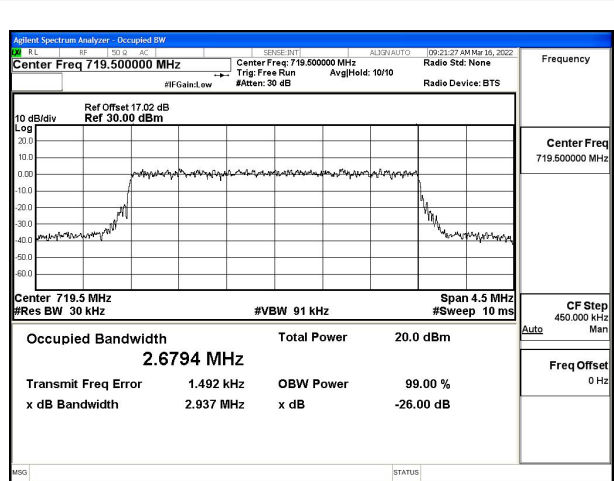


Fig.32

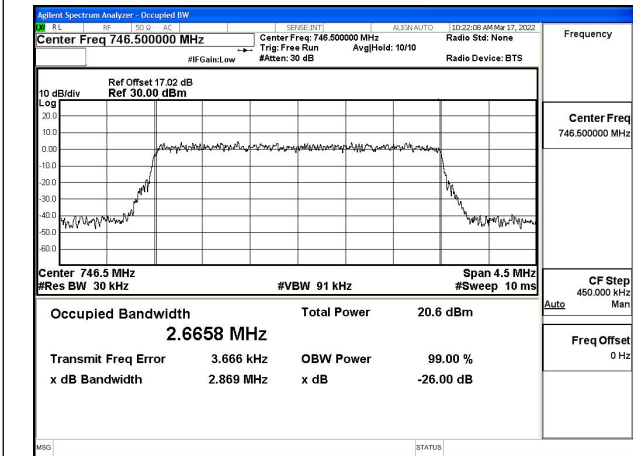


Fig.33

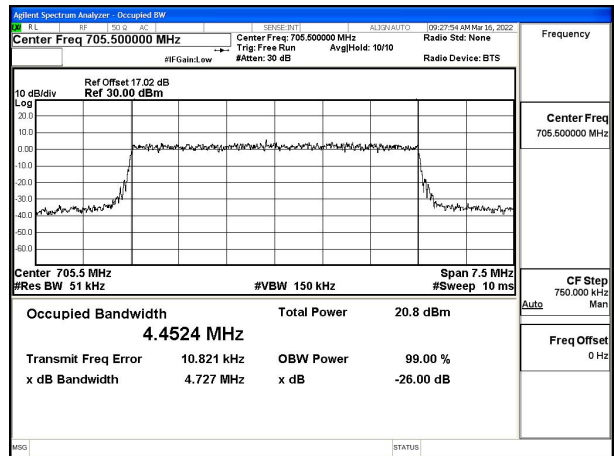


Fig.34

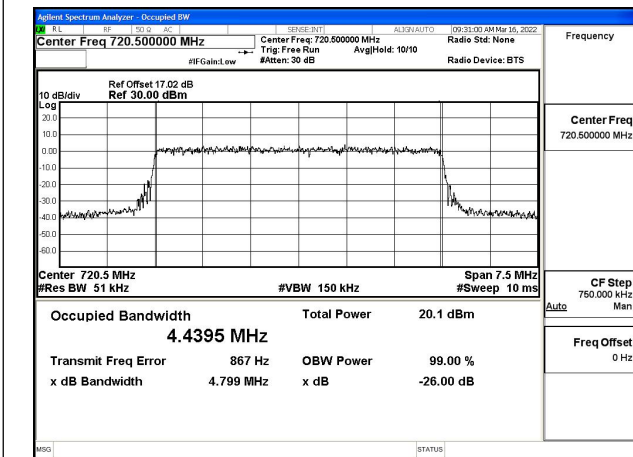


Fig.35

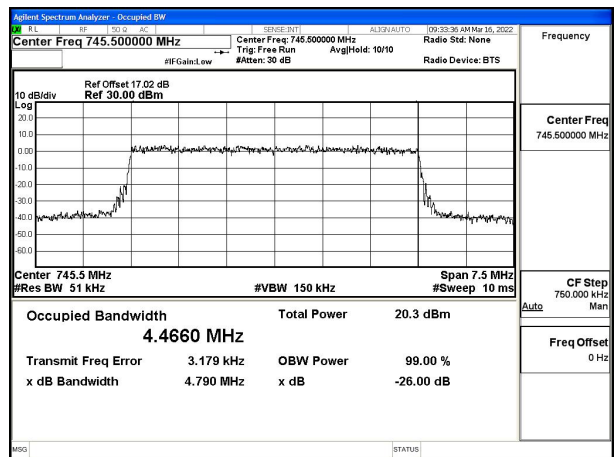


Fig.36

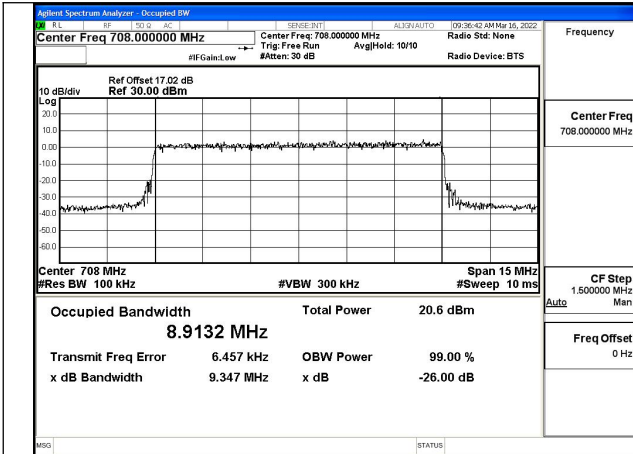


Fig.37

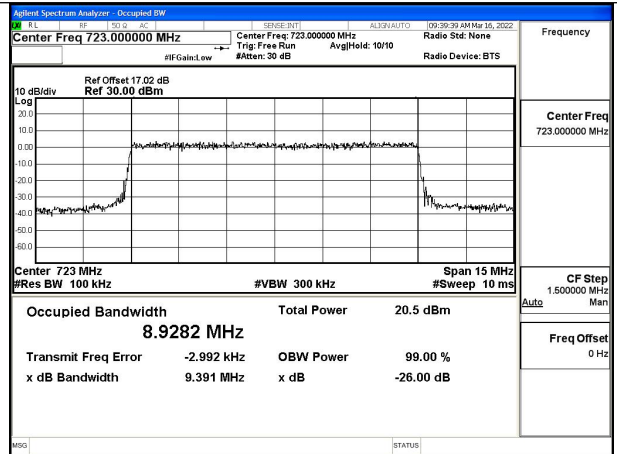


Fig.38

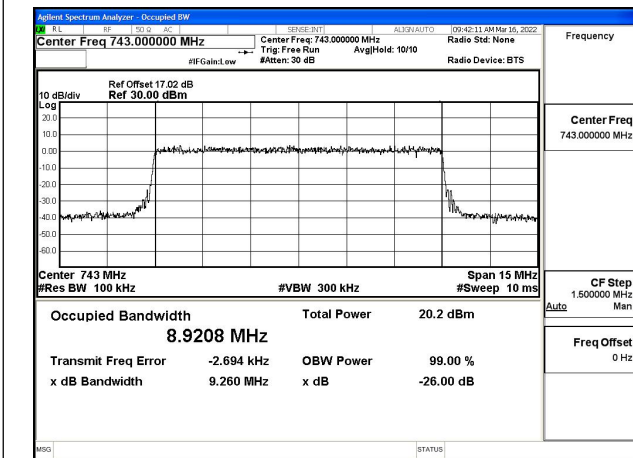


Fig.39

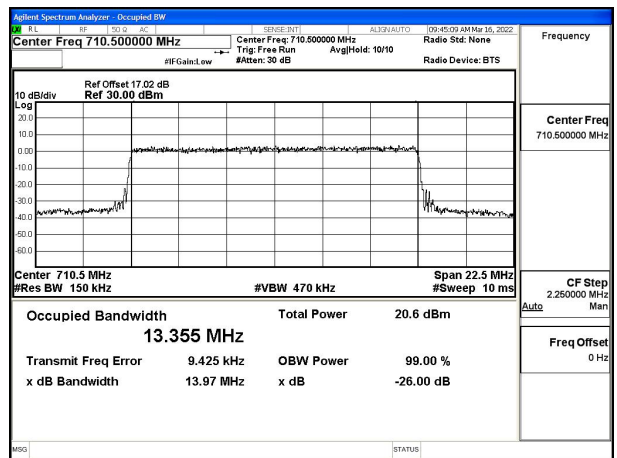


Fig.40

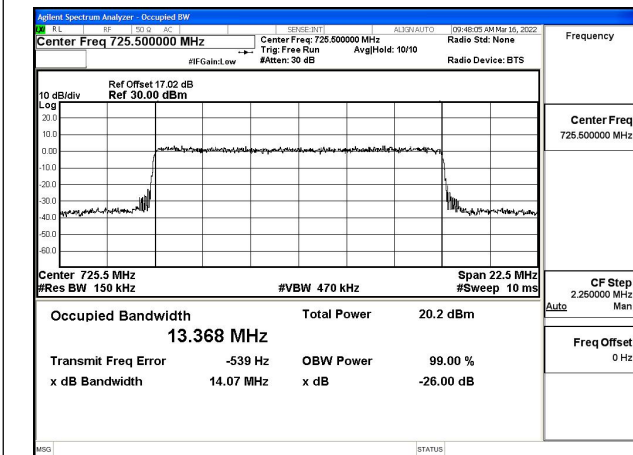


Fig.41

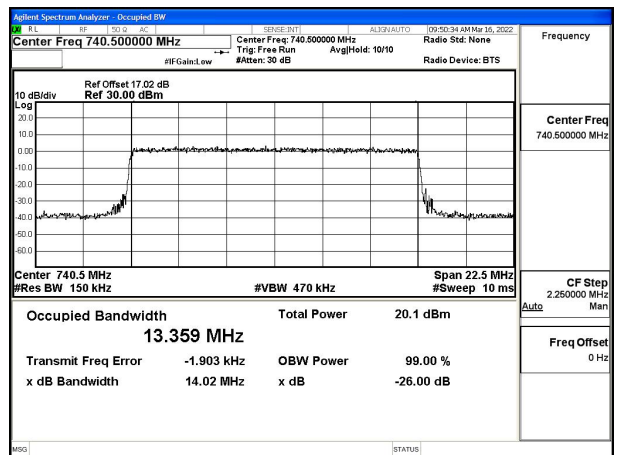


Fig.42