

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	23.65
QPSK	704.5	27225	3	1	8	23.38
QPSK	704.5	27225	3	1	14	23.27
QPSK	704.5	27225	3	8	0	22.30
QPSK	704.5	27225	3	8	4	22.28
QPSK	704.5	27225	3	8	7	22.36
QPSK	704.5	27225	3	15	0	22.42
QPSK	719.5	27375	3	1	0	23.10
QPSK	719.5	27375	3	1	8	23.37
QPSK	719.5	27375	3	1	14	23.29
QPSK	719.5	27375	3	8	0	22.16
QPSK	719.5	27375	3	8	4	22.32
QPSK	719.5	27375	3	8	7	22.28
QPSK	719.5	27375	3	15	0	22.26
QPSK	746.5	27645	3	1	0	23.16
QPSK	746.5	27645	3	1	8	23.16
QPSK	746.5	27645	3	1	14	23.18
QPSK	746.5	27645	3	8	0	21.95
QPSK	746.5	27645	3	8	4	22.10
QPSK	746.5	27645	3	8	7	22.18
QPSK	746.5	27645	3	15	0	22.09

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	704.5	27225	3	1	0	22.92
16QAM	704.5	27225	3	1	8	23.02
16QAM	704.5	27225	3	1	14	22.33
16QAM	704.5	27225	3	8	0	21.41
16QAM	704.5	27225	3	8	4	21.44
16QAM	704.5	27225	3	8	7	21.39
16QAM	704.5	27225	3	15	0	21.27
16QAM	719.5	27375	3	1	0	22.81
16QAM	719.5	27375	3	1	8	22.22
16QAM	719.5	27375	3	1	14	22.43
16QAM	719.5	27375	3	8	0	21.43
16QAM	719.5	27375	3	8	4	21.17
16QAM	719.5	27375	3	8	7	21.13
16QAM	719.5	27375	3	15	0	21.17
16QAM	746.5	27645	3	1	0	22.31
16QAM	746.5	27645	3	1	8	22.48
16QAM	746.5	27645	3	1	14	22.46
16QAM	746.5	27645	3	8	0	20.91
16QAM	746.5	27645	3	8	4	21.27
16QAM	746.5	27645	3	8	7	21.12
16QAM	746.5	27645	3	15	0	21.25
64QAM	704.5	27225	3	1	0	21.59
64QAM	704.5	27225	3	1	8	21.53
64QAM	704.5	27225	3	1	14	21.09
64QAM	704.5	27225	3	8	0	20.34
64QAM	704.5	27225	3	8	4	20.10
64QAM	704.5	27225	3	8	7	20.90
64QAM	704.5	27225	3	15	0	20.61
64QAM	719.5	27375	3	1	0	21.39
64QAM	719.5	27375	3	1	8	21.47
64QAM	719.5	27375	3	1	14	21.33
64QAM	719.5	27375	3	8	0	20.60
64QAM	719.5	27375	3	8	4	20.41
64QAM	719.5	27375	3	8	7	20.58
64QAM	719.5	27375	3	15	0	20.61
64QAM	746.5	27645	3	1	0	20.70
64QAM	746.5	27645	3	1	8	21.36
64QAM	746.5	27645	3	1	14	21.28
64QAM	746.5	27645	3	8	0	20.03
64QAM	746.5	27645	3	8	4	20.49
64QAM	746.5	27645	3	8	7	20.43
64QAM	746.5	27645	3	15	0	20.54

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	705.5	27235	5	1	0	23.49
QPSK	705.5	27235	5	1	12	23.31
QPSK	705.5	27235	5	1	24	23.26
QPSK	705.5	27235	5	12	0	22.34
QPSK	705.5	27235	5	12	7	22.36
QPSK	705.5	27235	5	12	13	22.45
QPSK	705.5	27235	5	25	0	22.41
QPSK	720.5	27385	5	1	0	23.37
QPSK	720.5	27385	5	1	12	23.35
QPSK	720.5	27385	5	1	24	23.28
QPSK	720.5	27385	5	12	0	22.11
QPSK	720.5	27385	5	12	7	22.07
QPSK	720.5	27385	5	12	13	22.04
QPSK	720.5	27385	5	25	0	22.26
QPSK	745.5	27635	5	1	0	22.92
QPSK	745.5	27635	5	1	12	23.27
QPSK	745.5	27635	5	1	24	23.14
QPSK	745.5	27635	5	12	0	22.12
QPSK	745.5	27635	5	12	7	21.98
QPSK	745.5	27635	5	12	13	22.16
QPSK	745.5	27635	5	25	0	21.91

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	705.5	27235	5	1	0	22.91
16QAM	705.5	27235	5	1	12	22.66
16QAM	705.5	27235	5	1	24	22.72
16QAM	705.5	27235	5	12	0	21.30
16QAM	705.5	27235	5	12	7	21.32
16QAM	705.5	27235	5	12	13	21.27
16QAM	705.5	27235	5	25	0	21.21
16QAM	720.5	27385	5	1	0	22.71
16QAM	720.5	27385	5	1	12	22.76
16QAM	720.5	27385	5	1	24	22.29
16QAM	720.5	27385	5	12	0	21.26
16QAM	720.5	27385	5	12	7	21.18
16QAM	720.5	27385	5	12	13	21.51
16QAM	720.5	27385	5	25	0	21.20
16QAM	745.5	27635	5	1	0	21.85
16QAM	745.5	27635	5	1	12	22.04
16QAM	745.5	27635	5	1	24	21.91
16QAM	745.5	27635	5	12	0	21.02
16QAM	745.5	27635	5	12	7	21.19
16QAM	745.5	27635	5	12	13	21.26
16QAM	745.5	27635	5	25	0	21.08
64QAM	705.5	27235	5	1	0	21.32
64QAM	705.5	27235	5	1	12	21.49
64QAM	705.5	27235	5	1	24	21.58
64QAM	705.5	27235	5	12	0	20.29
64QAM	705.5	27235	5	12	7	20.78
64QAM	705.5	27235	5	12	13	20.81
64QAM	705.5	27235	5	25	0	20.55
64QAM	720.5	27385	5	1	0	21.23
64QAM	720.5	27385	5	1	12	21.45
64QAM	720.5	27385	5	1	24	21.61
64QAM	720.5	27385	5	12	0	20.99
64QAM	720.5	27385	5	12	7	20.69
64QAM	720.5	27385	5	12	13	20.62
64QAM	720.5	27385	5	25	0	20.58
64QAM	745.5	27635	5	1	0	21.29
64QAM	745.5	27635	5	1	12	21.06
64QAM	745.5	27635	5	1	24	21.38
64QAM	745.5	27635	5	12	0	20.14
64QAM	745.5	27635	5	12	7	19.99
64QAM	745.5	27635	5	12	13	20.41
64QAM	745.5	27635	5	25	0	20.20

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	708	27260	10	1	0	23.74
QPSK	708	27260	10	1	25	23.64
QPSK	708	27260	10	1	49	23.64
QPSK	708	27260	10	25	0	22.40
QPSK	708	27260	10	25	12	22.42
QPSK	708	27260	10	25	25	22.16
QPSK	708	27260	10	50	0	22.27
QPSK	723	27410	10	1	0	23.42
QPSK	723	27410	10	1	25	23.39
QPSK	723	27410	10	1	49	23.35
QPSK	723	27410	10	25	0	22.15
QPSK	723	27410	10	25	12	22.15
QPSK	723	27410	10	25	25	22.10
QPSK	723	27410	10	50	0	22.16
QPSK	743	27610	10	1	0	23.16
QPSK	743	27610	10	1	25	23.05
QPSK	743	27610	10	1	49	23.30
QPSK	743	27610	10	25	0	22.16
QPSK	743	27610	10	25	12	22.12
QPSK	743	27610	10	25	25	21.81
QPSK	743	27610	10	50	0	21.77

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	708	27260	10	1	0	22.91
16QAM	708	27260	10	1	25	22.61
16QAM	708	27260	10	1	49	22.49
16QAM	708	27260	10	25	0	21.76
16QAM	708	27260	10	25	12	21.55
16QAM	708	27260	10	25	25	21.14
16QAM	708	27260	10	50	0	21.28
16QAM	723	27410	10	1	0	22.48
16QAM	723	27410	10	1	25	22.37
16QAM	723	27410	10	1	49	22.00
16QAM	723	27410	10	25	0	21.31
16QAM	723	27410	10	25	12	21.60
16QAM	723	27410	10	25	25	21.36
16QAM	723	27410	10	50	0	21.71
16QAM	743	27610	10	1	0	22.80
16QAM	743	27610	10	1	25	22.58
16QAM	743	27610	10	1	49	21.91
16QAM	743	27610	10	25	0	20.98
16QAM	743	27610	10	25	12	21.08
16QAM	743	27610	10	25	25	21.08
16QAM	743	27610	10	50	0	20.90
64QAM	708	27260	10	1	0	21.38
64QAM	708	27260	10	1	25	21.37
64QAM	708	27260	10	1	49	20.89
64QAM	708	27260	10	25	0	20.66
64QAM	708	27260	10	25	12	20.51
64QAM	708	27260	10	25	25	20.35
64QAM	708	27260	10	50	0	20.78
64QAM	723	27410	10	1	0	21.11
64QAM	723	27410	10	1	25	21.99
64QAM	723	27410	10	1	49	21.20
64QAM	723	27410	10	25	0	20.73
64QAM	723	27410	10	25	12	20.46
64QAM	723	27410	10	25	25	20.73
64QAM	723	27410	10	50	0	20.83
64QAM	743	27610	10	1	0	20.82
64QAM	743	27610	10	1	25	21.15
64QAM	743	27610	10	1	49	21.51
64QAM	743	27610	10	25	0	20.02
64QAM	743	27610	10	25	12	20.32
64QAM	743	27610	10	25	25	20.22
64QAM	743	27610	10	50	0	20.40

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	710.5	27285	15	1	0	23.45
QPSK	710.5	27285	15	1	37	23.41
QPSK	710.5	27285	15	1	74	23.24
QPSK	710.5	27285	15	36	0	22.45
QPSK	710.5	27285	15	36	29	22.34
QPSK	710.5	27285	15	36	30	22.32
QPSK	710.5	27285	15	75	0	22.25
QPSK	725.5	27435	15	1	0	23.35
QPSK	725.5	27435	15	1	37	23.24
QPSK	725.5	27435	15	1	74	23.15
QPSK	725.5	27435	15	36	0	22.58
QPSK	725.5	27435	15	36	29	22.03
QPSK	725.5	27435	15	36	30	22.07
QPSK	725.5	27435	15	75	0	22.00
QPSK	740.5	27585	15	1	0	23.30
QPSK	740.5	27585	15	1	37	23.11
QPSK	740.5	27585	15	1	74	23.06
QPSK	740.5	27585	15	36	0	21.97
QPSK	740.5	27585	15	36	29	21.81
QPSK	740.5	27585	15	36	30	21.82
QPSK	740.5	27585	15	75	0	22.16

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	710.5	27285	15	1	0	22.90
16QAM	710.5	27285	15	1	37	23.06
16QAM	710.5	27285	15	1	74	22.37
16QAM	710.5	27285	15	36	0	21.22
16QAM	710.5	27285	15	36	29	21.32
16QAM	710.5	27285	15	36	30	21.39
16QAM	710.5	27285	15	75	0	21.26
16QAM	725.5	27435	15	1	0	22.81
16QAM	725.5	27435	15	1	37	22.70
16QAM	725.5	27435	15	1	74	22.63
16QAM	725.5	27435	15	36	0	21.23
16QAM	725.5	27435	15	36	29	20.87
16QAM	725.5	27435	15	36	30	20.93
16QAM	725.5	27435	15	75	0	21.20
16QAM	740.5	27585	15	1	0	22.76
16QAM	740.5	27585	15	1	37	22.23
16QAM	740.5	27585	15	1	74	22.62
16QAM	740.5	27585	15	36	0	21.26
16QAM	740.5	27585	15	36	29	20.77
16QAM	740.5	27585	15	36	30	20.82
16QAM	740.5	27585	15	75	0	21.13
64QAM	710.5	27285	15	1	0	21.35
64QAM	710.5	27285	15	1	37	20.91
64QAM	710.5	27285	15	1	74	21.41
64QAM	710.5	27285	15	36	0	20.79
64QAM	710.5	27285	15	36	29	20.15
64QAM	710.5	27285	15	36	30	20.23
64QAM	710.5	27285	15	75	0	20.27
64QAM	725.5	27435	15	1	0	21.19
64QAM	725.5	27435	15	1	37	21.30
64QAM	725.5	27435	15	1	74	21.37
64QAM	725.5	27435	15	36	0	20.65
64QAM	725.5	27435	15	36	29	20.48
64QAM	725.5	27435	15	36	30	20.55
64QAM	725.5	27435	15	75	0	20.50
64QAM	740.5	27585	15	1	0	21.47
64QAM	740.5	27585	15	1	37	21.10
64QAM	740.5	27585	15	1	74	21.30
64QAM	740.5	27585	15	36	0	20.74
64QAM	740.5	27585	15	36	29	20.46
64QAM	740.5	27585	15	36	30	20.48
64QAM	740.5	27585	15	75	0	19.98

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	713	27310	20	1	0	23.66
QPSK	713	27310	20	1	49	23.29
QPSK	713	27310	20	1	99	23.17
QPSK	713	27310	20	50	0	22.43
QPSK	713	27310	20	50	24	22.39
QPSK	713	27310	20	50	50	22.11
QPSK	713	27310	20	100	0	22.43
QPSK	728	27460	20	1	0	23.18
QPSK	728	27460	20	1	49	23.25
QPSK	728	27460	20	1	99	23.18
QPSK	728	27460	20	50	0	22.36
QPSK	728	27460	20	50	24	22.10
QPSK	728	27460	20	50	50	22.07
QPSK	728	27460	20	100	0	21.94
QPSK	738	27560	20	1	0	23.16
QPSK	738	27560	20	1	49	23.22
QPSK	738	27560	20	1	99	23.24
QPSK	738	27560	20	50	0	22.32
QPSK	738	27560	20	50	24	21.98
QPSK	738	27560	20	50	50	21.86
QPSK	738	27560	20	100	0	22.08

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	713	27310	20	1	0	22.75
16QAM	713	27310	20	1	49	22.88
16QAM	713	27310	20	1	99	22.75
16QAM	713	27310	20	50	0	21.18
16QAM	713	27310	20	50	24	21.41
16QAM	713	27310	20	50	50	21.54
16QAM	713	27310	20	100	0	21.39
16QAM	728	27460	20	1	0	22.89
16QAM	728	27460	20	1	49	22.39
16QAM	728	27460	20	1	99	22.67
16QAM	728	27460	20	50	0	21.45
16QAM	728	27460	20	50	24	21.13
16QAM	728	27460	20	50	50	20.88
16QAM	728	27460	20	100	0	21.20
16QAM	738	27560	20	1	0	21.99
16QAM	738	27560	20	1	49	22.39
16QAM	738	27560	20	1	99	22.88
16QAM	738	27560	20	50	0	21.06
16QAM	738	27560	20	50	24	21.20
16QAM	738	27560	20	50	50	20.87
16QAM	738	27560	20	100	0	21.77
64QAM	713	27310	20	1	0	21.12
64QAM	713	27310	20	1	49	21.39
64QAM	713	27310	20	1	99	21.75
64QAM	713	27310	20	50	0	20.60
64QAM	713	27310	20	50	24	20.23
64QAM	713	27310	20	50	50	20.97
64QAM	713	27310	20	100	0	20.28
64QAM	728	27460	20	1	0	21.44
64QAM	728	27460	20	1	49	21.09
64QAM	728	27460	20	1	99	21.71
64QAM	728	27460	20	50	0	20.70
64QAM	728	27460	20	50	24	20.56
64QAM	728	27460	20	50	50	19.98
64QAM	728	27460	20	100	0	20.37
64QAM	738	27560	20	1	0	21.10
64QAM	738	27560	20	1	49	21.47
64QAM	738	27560	20	1	99	21.05
64QAM	738	27560	20	50	0	20.20
64QAM	738	27560	20	50	24	20.50
64QAM	738	27560	20	50	50	20.58
64QAM	738	27560	20	100	0	20.40

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	2.670	Fig.1
28	QPSK	719.5	27375	3	15	0	2.680	Fig.2
28	QPSK	746.5	27645	3	15	0	2.670	Fig.3
28	QPSK	705.5	27235	5	25	0	4.470	Fig.4
28	QPSK	720.5	27385	5	25	0	4.470	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	8.910	Fig.8
28	QPSK	743	27610	10	50	0	8.900	Fig.9
28	QPSK	710.5	27285	15	75	0	13.380	Fig.10
28	QPSK	725.5	27435	15	75	0	13.340	Fig.11
28	QPSK	740.5	27585	15	75	0	13.350	Fig.12
28	QPSK	713	27310	20	100	0	17.850	Fig.13
28	QPSK	728	27460	20	100	0	17.840	Fig.14
28	QPSK	738	27560	20	100	0	17.860	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	2.680	Fig.17
28	16QAM	746.5	27645	3	15	0	2.680	Fig.18
28	16QAM	705.5	27235	5	25	0	4.440	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	8.930	Fig.22
28	16QAM	723	27410	10	50	0	8.910	Fig.23
28	16QAM	743	27610	10	50	0	8.890	Fig.24
28	16QAM	710.5	27285	15	75	0	13.380	Fig.25
28	16QAM	725.5	27435	15	75	0	13.340	Fig.26
28	16QAM	740.5	27585	15	75	0	13.360	Fig.27
28	16QAM	713	27310	20	100	0	17.860	Fig.28
28	16QAM	728	27460	20	100	0	17.850	Fig.29
28	16QAM	738	27560	20	100	0	17.850	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	2.670	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	4.460	Fig.34
28	64QAM	720.5	27385	5	25	0	4.450	Fig.35
28	64QAM	745.5	27635	5	25	0	4.450	Fig.36
28	64QAM	708	27260	10	50	0	8.920	Fig.37
28	64QAM	723	27410	10	50	0	8.920	Fig.38
28	64QAM	743	27610	10	50	0	8.910	Fig.39
28	64QAM	710.5	27285	15	75	0	13.380	Fig.40
28	64QAM	725.5	27435	15	75	0	13.360	Fig.41
28	64QAM	740.5	27585	15	75	0	13.350	Fig.42
28	64QAM	713	27310	20	100	0	17.850	Fig.43
28	64QAM	728	27460	20	100	0	17.850	Fig.44
28	64QAM	738	27560	20	100	0	17.850	Fig.45

Test Mode: QPSK

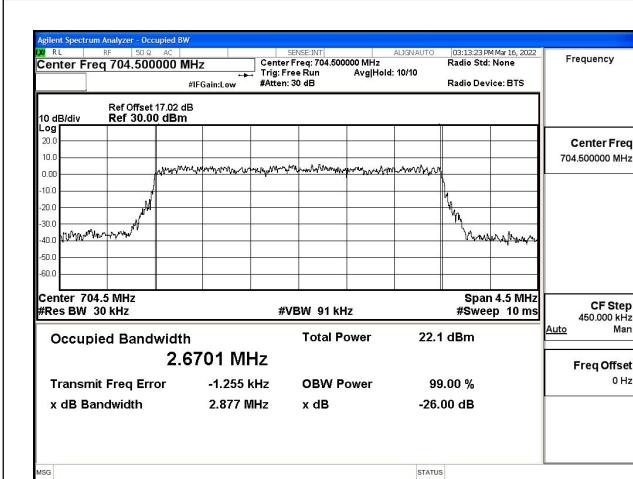


Fig.1

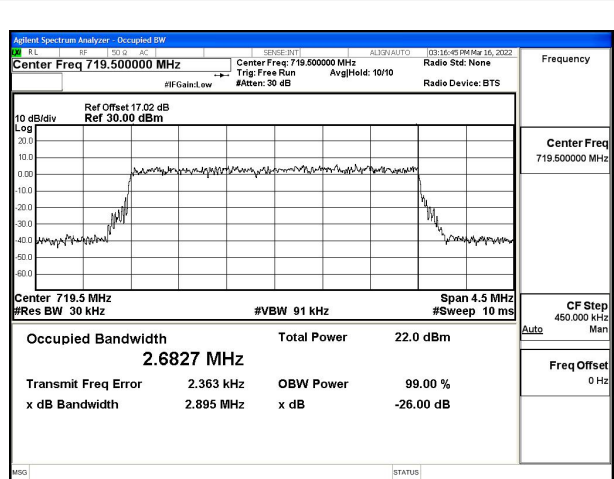


Fig.2

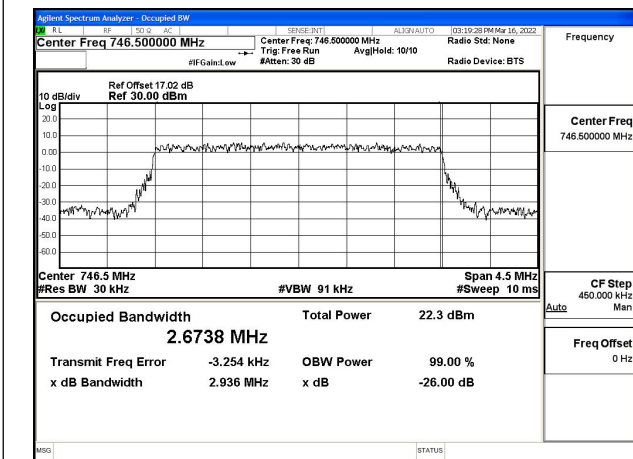


Fig.3

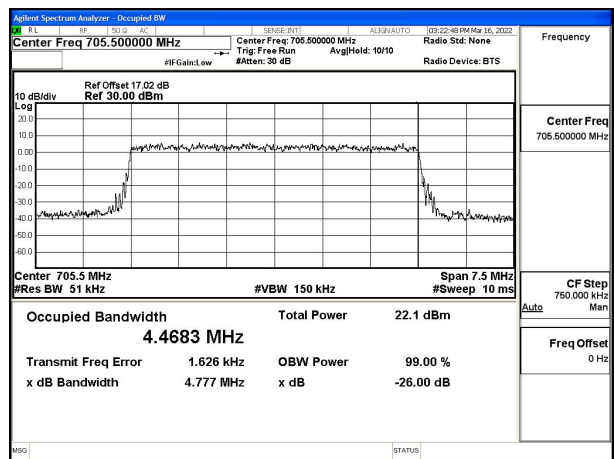


Fig.4

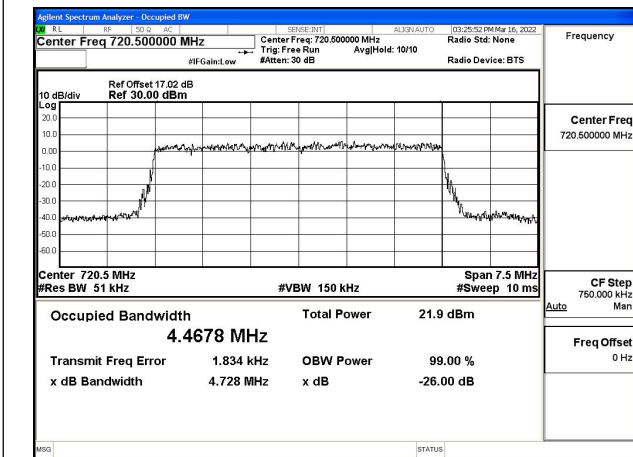


Fig.5

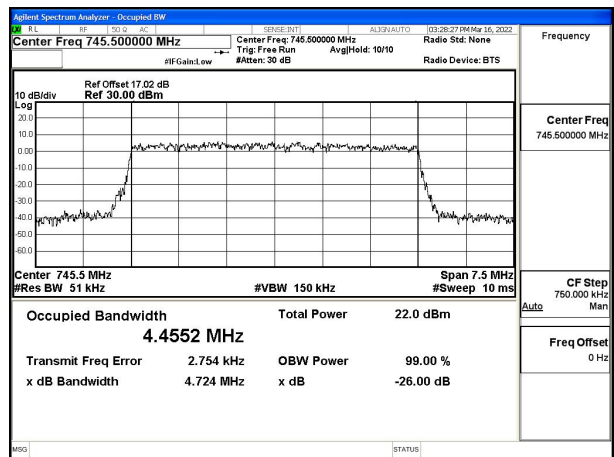


Fig.6

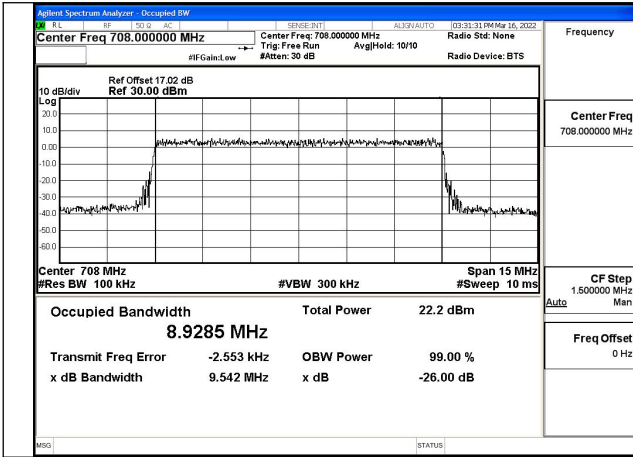


Fig.7

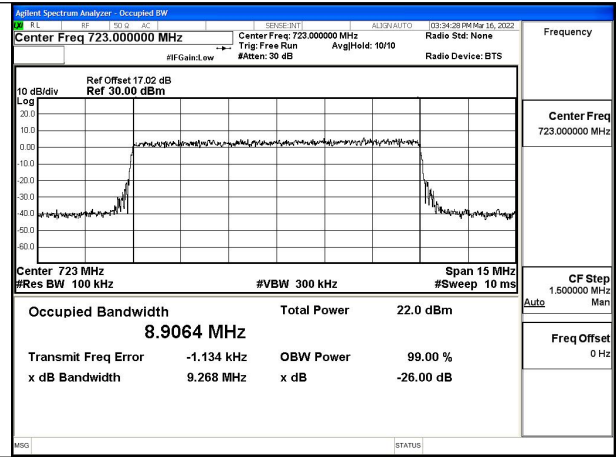


Fig.8

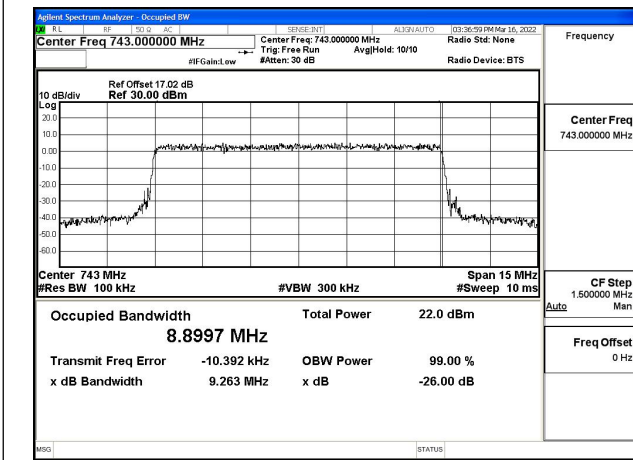


Fig.9

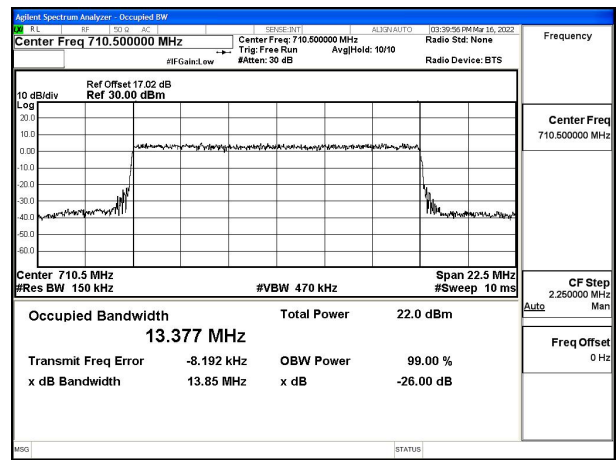


Fig.10

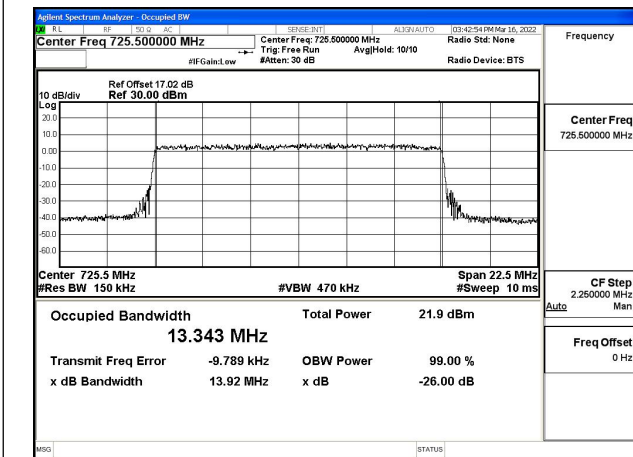


Fig.11

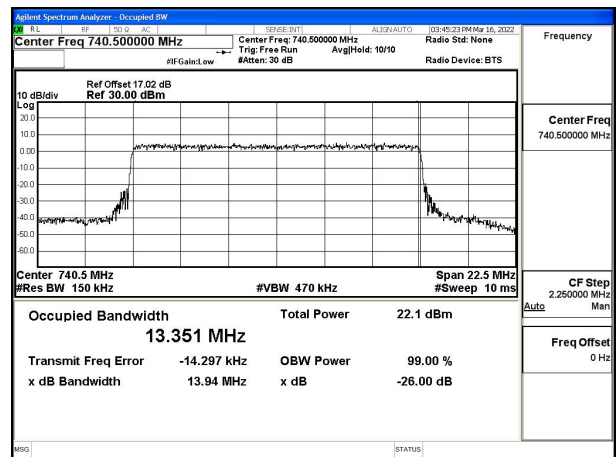


Fig.12

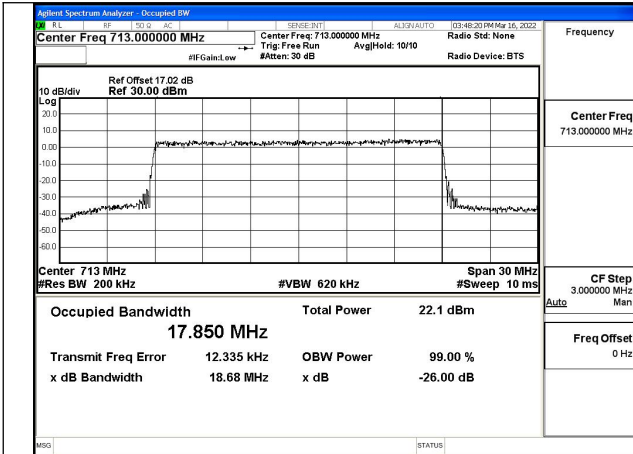


Fig.13

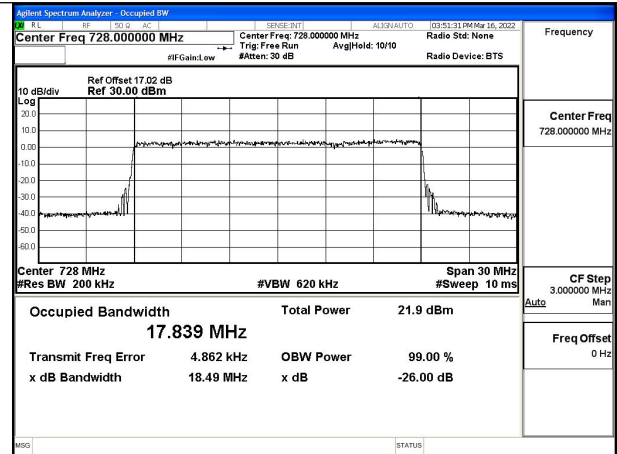


Fig.14

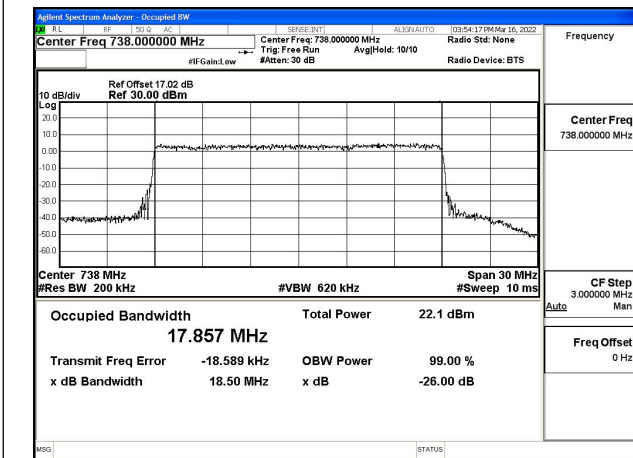


Fig.15

Test Mode: 16QAM

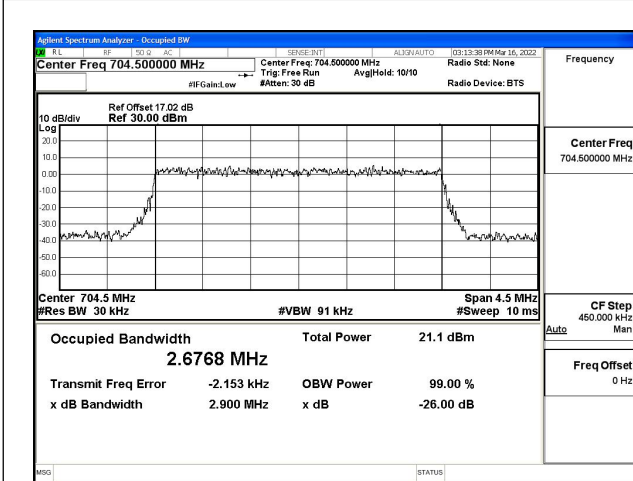


Fig.16

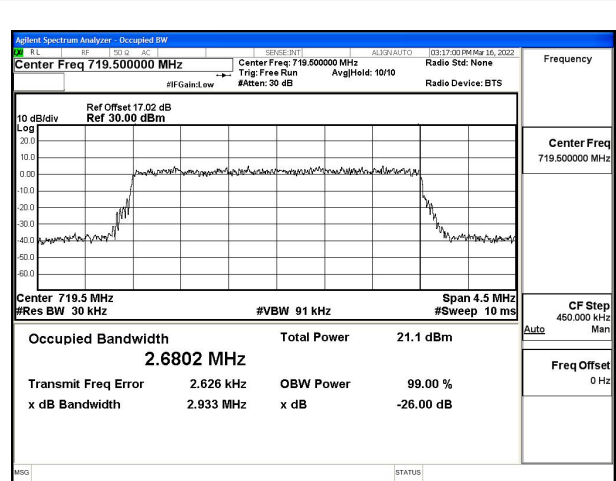


Fig.17

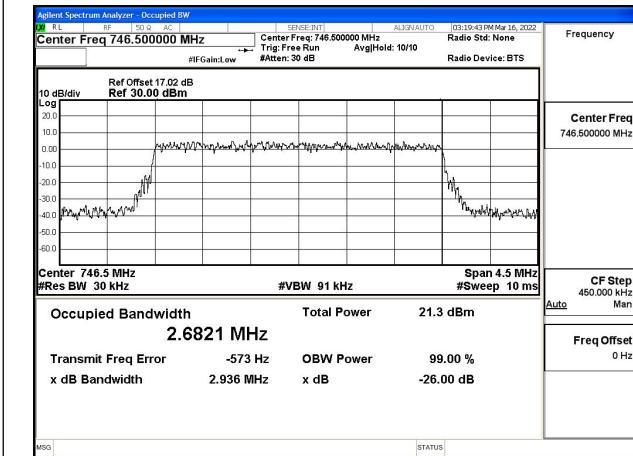


Fig.18

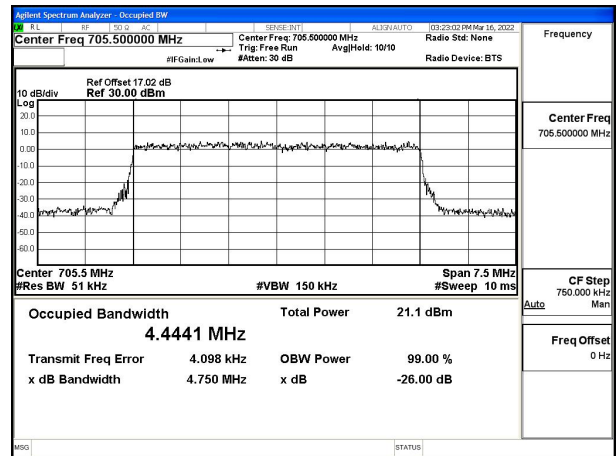


Fig.19

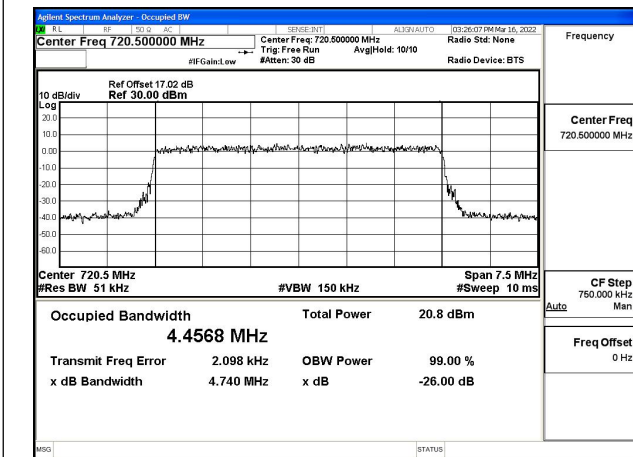


Fig.20

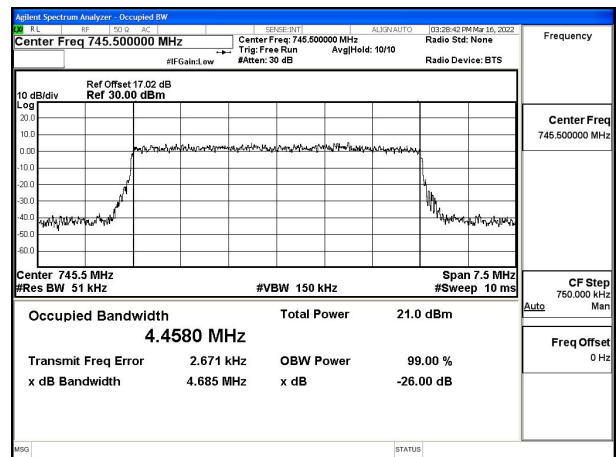


Fig.21

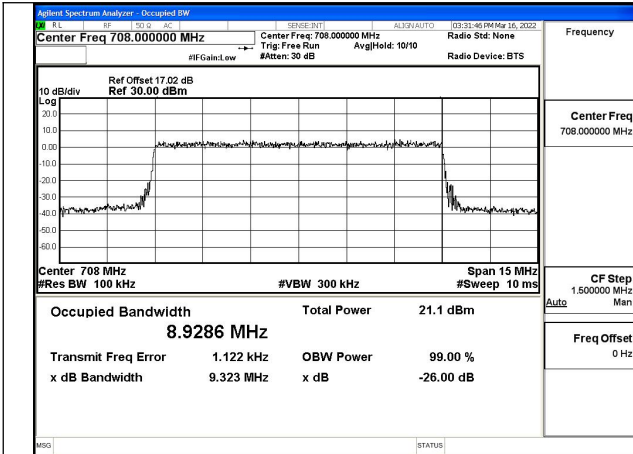


Fig.22

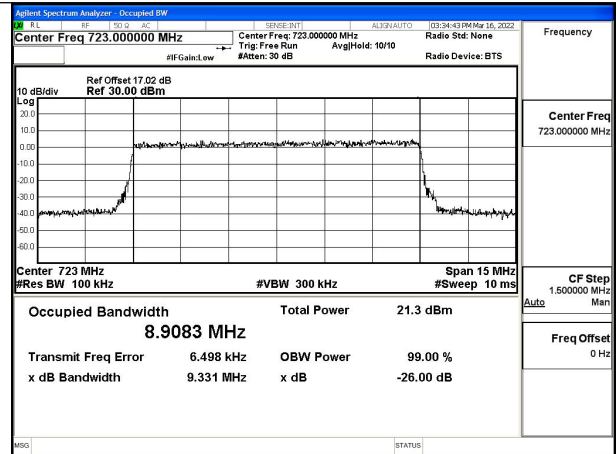


Fig.23

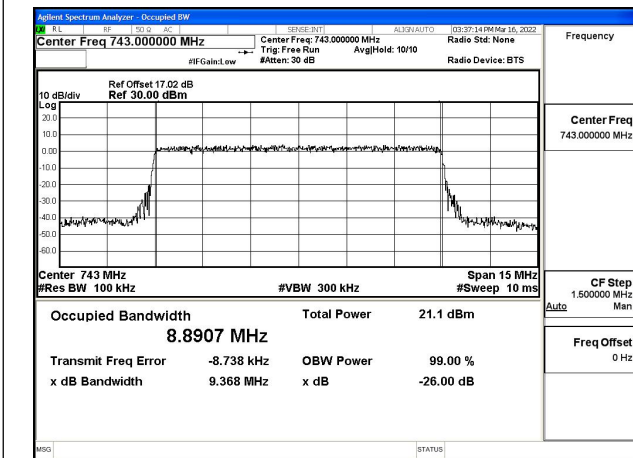


Fig.24

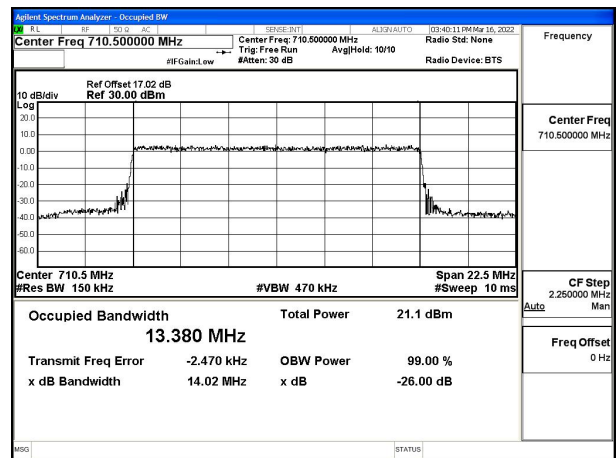


Fig.25

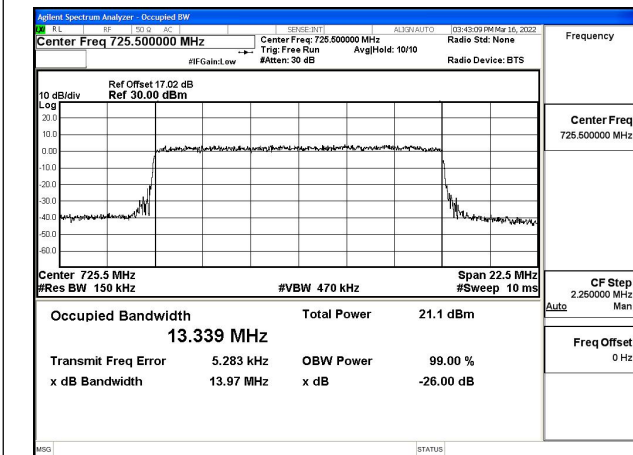


Fig.26

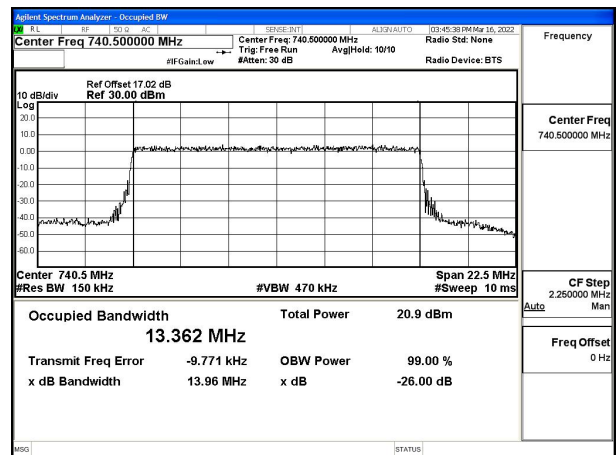


Fig.27

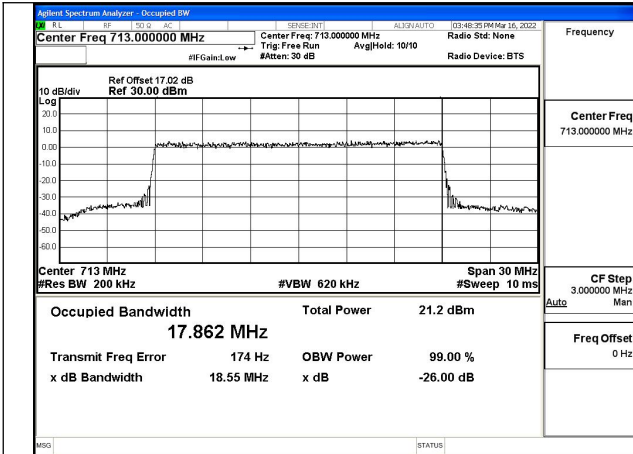


Fig.28

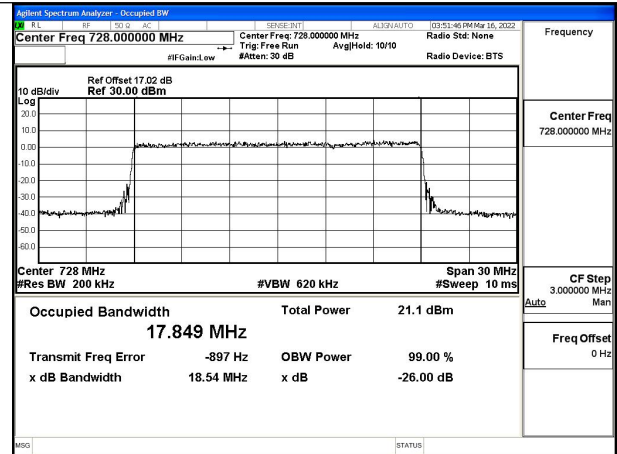


Fig.29

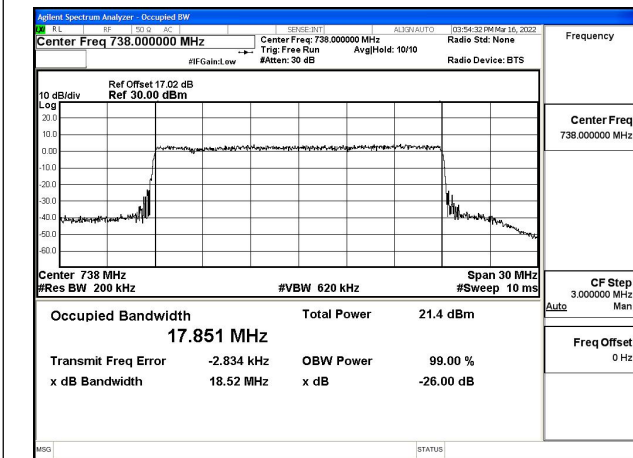


Fig.30

Test Mode: 64QAM

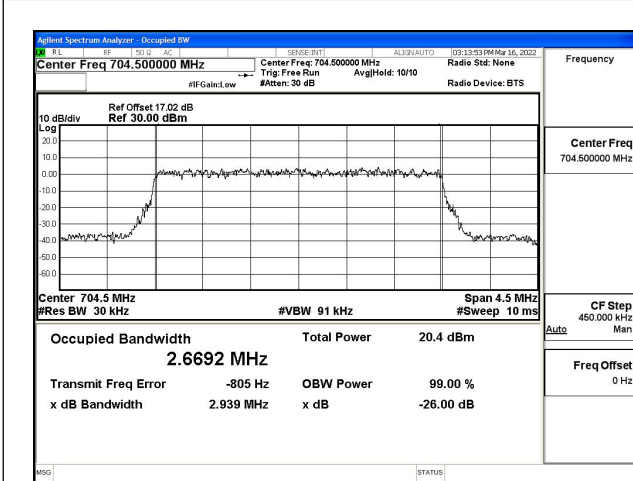


Fig.31

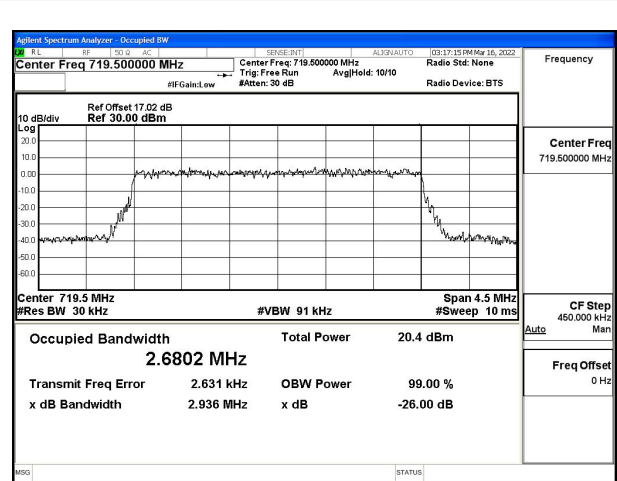


Fig.32

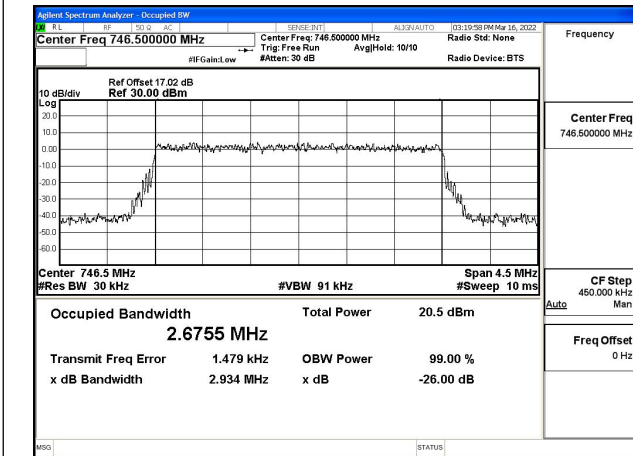


Fig.33

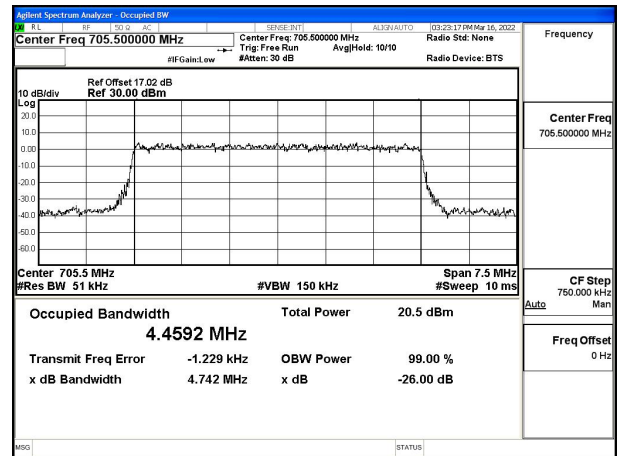


Fig.34

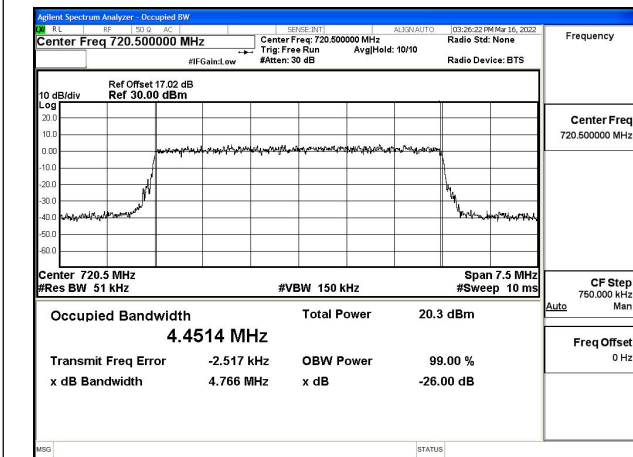


Fig.35

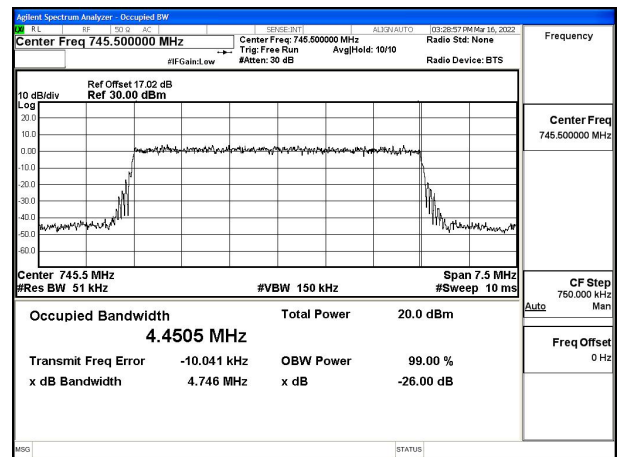


Fig.36

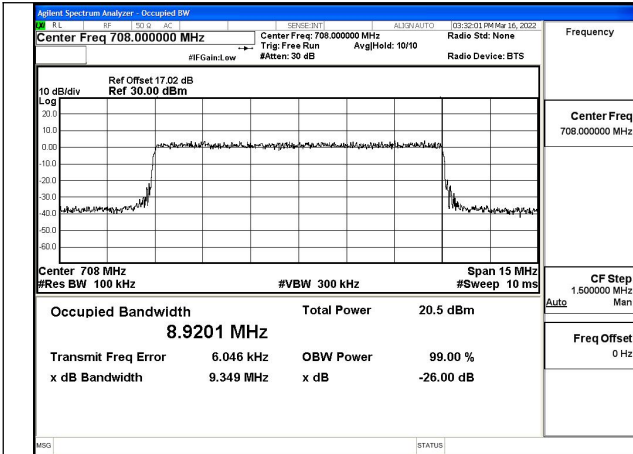


Fig.37

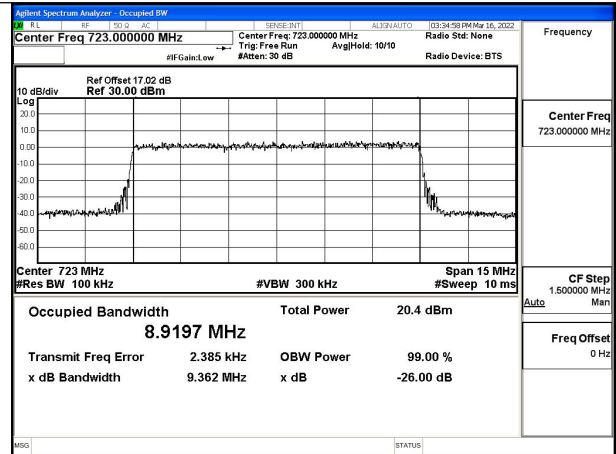


Fig.38

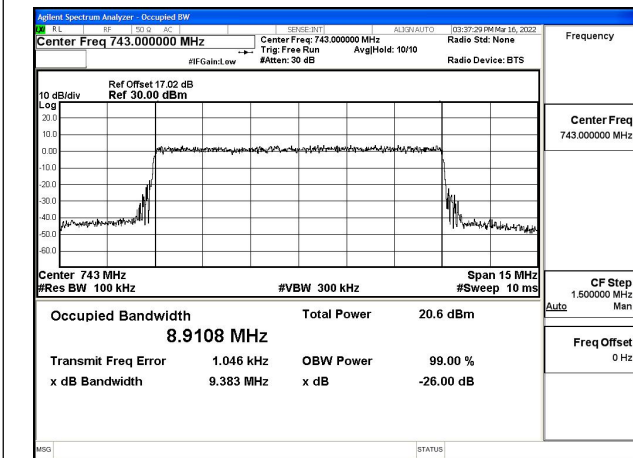


Fig.39

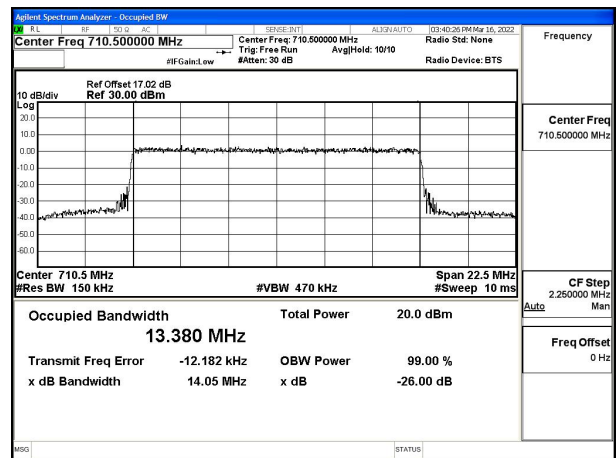


Fig.40

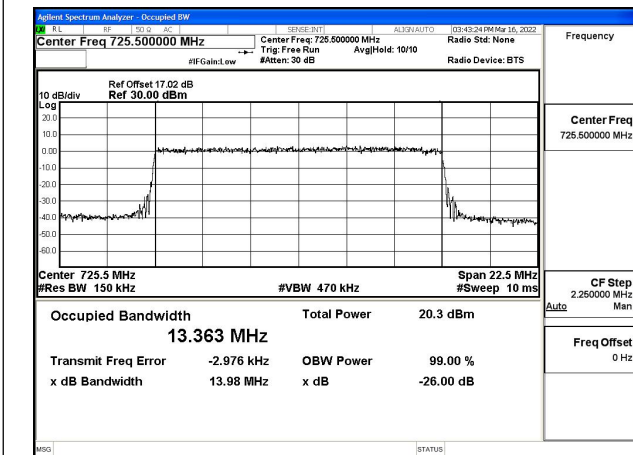


Fig.41

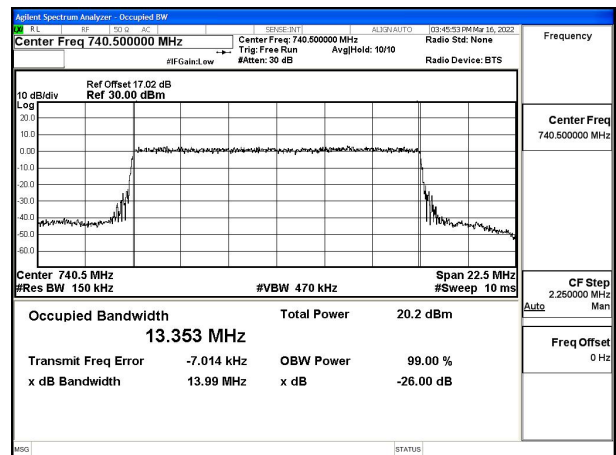


Fig.42