

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	23.25
QPSK	704.5	27225	3	1	8	23.10
QPSK	704.5	27225	3	1	14	23.35
QPSK	704.5	27225	3	8	0	22.40
QPSK	704.5	27225	3	8	4	22.55
QPSK	704.5	27225	3	8	7	22.42
QPSK	704.5	27225	3	15	0	22.24
QPSK	719.5	27375	3	1	0	23.40
QPSK	719.5	27375	3	1	8	23.52
QPSK	719.5	27375	3	1	14	23.31
QPSK	719.5	27375	3	8	0	22.26
QPSK	719.5	27375	3	8	4	22.48
QPSK	719.5	27375	3	8	7	22.47
QPSK	719.5	27375	3	15	0	22.43
QPSK	746.5	27645	3	1	0	23.27
QPSK	746.5	27645	3	1	8	23.28
QPSK	746.5	27645	3	1	14	23.25
QPSK	746.5	27645	3	8	0	22.28
QPSK	746.5	27645	3	8	4	22.35
QPSK	746.5	27645	3	8	7	22.32
QPSK	746.5	27645	3	15	0	22.21

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	22.79
16QAM	704.5	27225	3	1	14	22.86
16QAM	704.5	27225	3	8	0	21.49
16QAM	704.5	27225	3	8	4	21.43
16QAM	704.5	27225	3	8	7	21.56
16QAM	704.5	27225	3	15	0	21.46
16QAM	719.5	27375	3	1	0	23.05
16QAM	719.5	27375	3	1	8	22.52
16QAM	719.5	27375	3	1	14	22.92
16QAM	719.5	27375	3	8	0	21.45
16QAM	719.5	27375	3	8	4	21.57
16QAM	719.5	27375	3	8	7	21.46
16QAM	719.5	27375	3	15	0	21.67
16QAM	746.5	27645	3	1	0	22.63
16QAM	746.5	27645	3	1	8	23.02
16QAM	746.5	27645	3	1	14	22.65
16QAM	746.5	27645	3	8	0	21.33
16QAM	746.5	27645	3	8	4	21.37
16QAM	746.5	27645	3	8	7	21.46
16QAM	746.5	27645	3	15	0	21.39

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	705.5	27235	5	1	0	23.43
QPSK	705.5	27235	5	1	12	23.55
QPSK	705.5	27235	5	1	24	23.47
QPSK	705.5	27235	5	12	0	22.46
QPSK	705.5	27235	5	12	7	22.36
QPSK	705.5	27235	5	12	13	22.39
QPSK	705.5	27235	5	25	0	22.60
QPSK	720.5	27385	5	1	0	23.44
QPSK	720.5	27385	5	1	12	23.42
QPSK	720.5	27385	5	1	24	23.53
QPSK	720.5	27385	5	12	0	22.21
QPSK	720.5	27385	5	12	7	22.35
QPSK	720.5	27385	5	12	13	22.53
QPSK	720.5	27385	5	25	0	22.48
QPSK	745.5	27635	5	1	0	23.46
QPSK	745.5	27635	5	1	12	23.27
QPSK	745.5	27635	5	1	24	23.25
QPSK	745.5	27635	5	12	0	22.38
QPSK	745.5	27635	5	12	7	22.23
QPSK	745.5	27635	5	12	13	22.20
QPSK	745.5	27635	5	25	0	22.38

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	705.5	27235	5	1	0	22.84
16QAM	705.5	27235	5	1	12	22.66
16QAM	705.5	27235	5	1	24	22.91
16QAM	705.5	27235	5	12	0	21.45
16QAM	705.5	27235	5	12	7	21.53
16QAM	705.5	27235	5	12	13	21.45
16QAM	705.5	27235	5	25	0	21.49
16QAM	720.5	27385	5	1	0	22.54
16QAM	720.5	27385	5	1	12	22.29
16QAM	720.5	27385	5	1	24	23.22
16QAM	720.5	27385	5	12	0	21.76
16QAM	720.5	27385	5	12	7	21.34
16QAM	720.5	27385	5	12	13	21.28
16QAM	720.5	27385	5	25	0	21.67
16QAM	745.5	27635	5	1	0	22.49
16QAM	745.5	27635	5	1	12	22.78
16QAM	745.5	27635	5	1	24	22.77
16QAM	745.5	27635	5	12	0	21.25
16QAM	745.5	27635	5	12	7	21.05
16QAM	745.5	27635	5	12	13	21.25
16QAM	745.5	27635	5	25	0	21.36

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	708	27260	10	1	0	23.71
QPSK	708	27260	10	1	25	23.82
QPSK	708	27260	10	1	49	23.70
QPSK	708	27260	10	25	0	22.43
QPSK	708	27260	10	25	12	22.42
QPSK	708	27260	10	25	25	22.45
QPSK	708	27260	10	50	0	22.54
QPSK	723	27410	10	1	0	23.70
QPSK	723	27410	10	1	25	23.68
QPSK	723	27410	10	1	49	23.44
QPSK	723	27410	10	25	0	22.40
QPSK	723	27410	10	25	12	22.45
QPSK	723	27410	10	25	25	22.37
QPSK	723	27410	10	50	0	22.32
QPSK	743	27610	10	1	0	23.34
QPSK	743	27610	10	1	25	23.30
QPSK	743	27610	10	1	49	23.45
QPSK	743	27610	10	25	0	22.12
QPSK	743	27610	10	25	12	22.25
QPSK	743	27610	10	25	25	22.16
QPSK	743	27610	10	50	0	22.29

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	708	27260	10	1	0	23.17
16QAM	708	27260	10	1	25	22.67
16QAM	708	27260	10	1	49	22.67
16QAM	708	27260	10	25	0	21.75
16QAM	708	27260	10	25	12	21.81
16QAM	708	27260	10	25	25	21.78
16QAM	708	27260	10	50	0	21.51
16QAM	723	27410	10	1	0	23.14
16QAM	723	27410	10	1	25	23.15
16QAM	723	27410	10	1	49	23.05
16QAM	723	27410	10	25	0	21.91
16QAM	723	27410	10	25	12	21.53
16QAM	723	27410	10	25	25	21.57
16QAM	723	27410	10	50	0	21.37
16QAM	743	27610	10	1	0	22.36
16QAM	743	27610	10	1	25	22.29
16QAM	743	27610	10	1	49	22.61
16QAM	743	27610	10	25	0	21.57
16QAM	743	27610	10	25	12	21.38
16QAM	743	27610	10	25	25	21.44
16QAM	743	27610	10	50	0	21.31

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	710.5	27285	15	1	0	23.58
QPSK	710.5	27285	15	1	37	23.50
QPSK	710.5	27285	15	1	74	23.58
QPSK	710.5	27285	15	36	0	22.67
QPSK	710.5	27285	15	36	29	22.50
QPSK	710.5	27285	15	36	30	22.49
QPSK	710.5	27285	15	75	0	22.53
QPSK	725.5	27435	15	1	0	23.39
QPSK	725.5	27435	15	1	37	23.36
QPSK	725.5	27435	15	1	74	23.16
QPSK	725.5	27435	15	36	0	22.53
QPSK	725.5	27435	15	36	29	22.43
QPSK	725.5	27435	15	36	30	22.28
QPSK	725.5	27435	15	75	0	22.22
QPSK	740.5	27585	15	1	0	23.45
QPSK	740.5	27585	15	1	37	23.30
QPSK	740.5	27585	15	1	74	23.34
QPSK	740.5	27585	15	36	0	22.23
QPSK	740.5	27585	15	36	29	22.34
QPSK	740.5	27585	15	36	30	22.30
QPSK	740.5	27585	15	75	0	22.14

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	710.5	27285	15	1	0	22.68
16QAM	710.5	27285	15	1	37	22.83
16QAM	710.5	27285	15	1	74	22.76
16QAM	710.5	27285	15	36	0	21.68
16QAM	710.5	27285	15	36	29	21.52
16QAM	710.5	27285	15	36	30	21.50
16QAM	710.5	27285	15	75	0	21.57
16QAM	725.5	27435	15	1	0	23.10
16QAM	725.5	27435	15	1	37	23.14
16QAM	725.5	27435	15	1	74	22.71
16QAM	725.5	27435	15	36	0	21.37
16QAM	725.5	27435	15	36	29	21.41
16QAM	725.5	27435	15	36	30	21.38
16QAM	725.5	27435	15	75	0	21.33
16QAM	740.5	27585	15	1	0	22.61
16QAM	740.5	27585	15	1	37	23.23
16QAM	740.5	27585	15	1	74	22.91
16QAM	740.5	27585	15	36	0	21.89
16QAM	740.5	27585	15	36	29	21.23
16QAM	740.5	27585	15	36	30	21.26
16QAM	740.5	27585	15	75	0	21.26

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	713	27310	20	1	0	23.60
QPSK	713	27310	20	1	49	23.60
QPSK	713	27310	20	1	99	23.32
QPSK	713	27310	20	50	0	22.66
QPSK	713	27310	20	50	24	22.60
QPSK	713	27310	20	50	50	22.53
QPSK	713	27310	20	100	0	22.31
QPSK	728	27460	20	1	0	23.48
QPSK	728	27460	20	1	49	23.41
QPSK	728	27460	20	1	99	23.26
QPSK	728	27460	20	50	0	22.19
QPSK	728	27460	20	50	24	22.20
QPSK	728	27460	20	50	50	22.24
QPSK	728	27460	20	100	0	22.37
QPSK	738	27560	20	1	0	23.41
QPSK	738	27560	20	1	49	23.50
QPSK	738	27560	20	1	99	23.27
QPSK	738	27560	20	50	0	22.33
QPSK	738	27560	20	50	24	22.16
QPSK	738	27560	20	50	50	22.31
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	23.23
16QAM	713	27310	20	1	49	22.85
16QAM	713	27310	20	1	99	22.91
16QAM	713	27310	20	50	0	21.39
16QAM	713	27310	20	50	24	21.43
16QAM	713	27310	20	50	50	21.38
16QAM	713	27310	20	100	0	21.44
16QAM	728	27460	20	1	0	22.72
16QAM	728	27460	20	1	49	23.24
16QAM	728	27460	20	1	99	22.83
16QAM	728	27460	20	50	0	21.42
16QAM	728	27460	20	50	24	21.33
16QAM	728	27460	20	50	50	21.40
16QAM	728	27460	20	100	0	21.26
16QAM	738	27560	20	1	0	22.68
16QAM	738	27560	20	1	49	22.53
16QAM	738	27560	20	1	99	22.59
16QAM	738	27560	20	50	0	21.33
16QAM	738	27560	20	50	24	21.79
16QAM	738	27560	20	50	50	21.32
16QAM	738	27560	20	100	0	21.78

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	2.679	Fig.2
28	QPSK	746.5	27645	3	15	0	2.678	Fig.3
28	QPSK	705.5	27235	5	25	0	4.459	Fig.4
28	QPSK	720.5	27385	5	25	0	4.448	Fig.5
28	QPSK	745.5	27635	5	25	0	4.440	Fig.6
28	QPSK	708	27260	10	50	0	8.919	Fig.7
28	QPSK	723	27410	10	50	0	8.907	Fig.8
28	QPSK	743	27610	10	50	0	8.933	Fig.9
28	QPSK	710.5	27285	15	75	0	13.366	Fig.10
28	QPSK	725.5	27435	15	75	0	13.349	Fig.11
28	QPSK	740.5	27585	15	75	0	13.357	Fig.12
28	QPSK	713	27310	20	100	0	17.835	Fig.13
28	QPSK	728	27460	20	100	0	17.853	Fig.14
28	QPSK	738	27560	20	100	0	17.869	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	2.670	Fig.16
28	16QAM	719.5	27375	3	15	0	2.680	Fig.17
28	16QAM	746.5	27645	3	15	0	2.674	Fig.18
28	16QAM	705.5	27235	5	25	0	4.436	Fig.19
28	16QAM	720.5	27385	5	25	0	4.467	Fig.20
28	16QAM	745.5	27635	5	25	0	4.459	Fig.21
28	16QAM	708	27260	10	50	0	8.901	Fig.22
28	16QAM	723	27410	10	50	0	8.922	Fig.23
28	16QAM	743	27610	10	50	0	8.902	Fig.24
28	16QAM	710.5	27285	15	75	0	13.383	Fig.25
28	16QAM	725.5	27435	15	75	0	13.346	Fig.26
28	16QAM	740.5	27585	15	75	0	13.372	Fig.27
28	16QAM	713	27310	20	100	0	17.833	Fig.28
28	16QAM	728	27460	20	100	0	17.840	Fig.29
28	16QAM	738	27560	20	100	0	17.854	Fig.30

Test Mode: QPSK

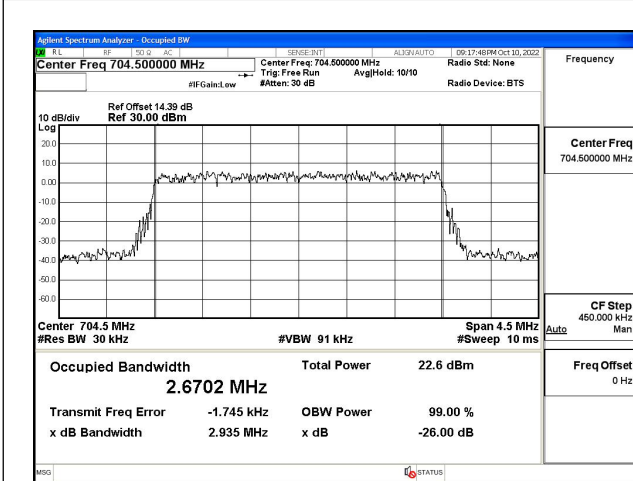


Fig.1

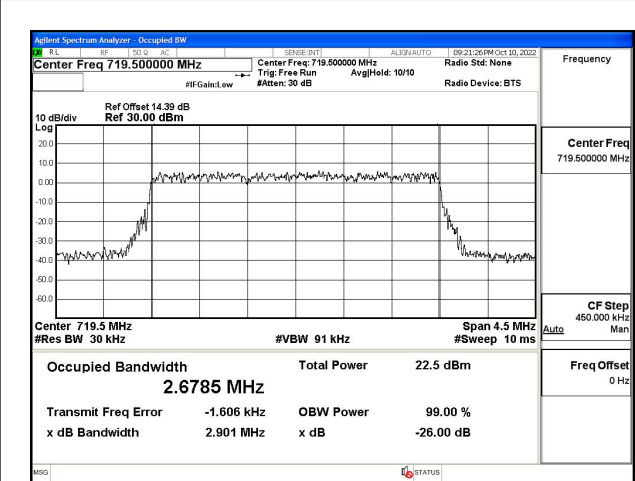


Fig.2

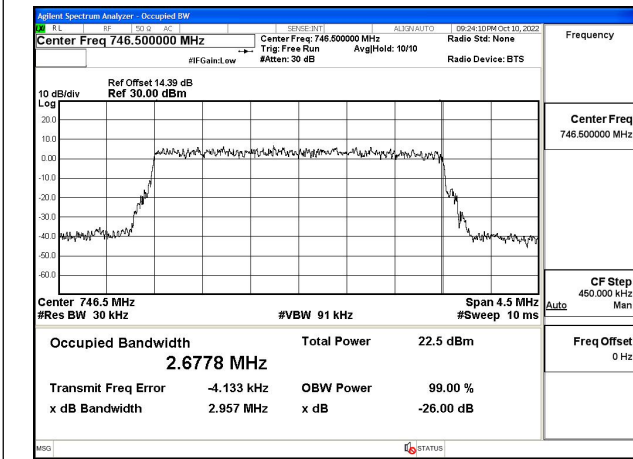


Fig.3

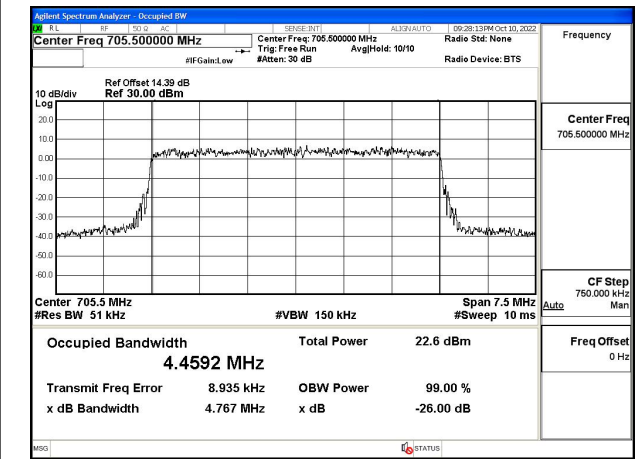


Fig.4

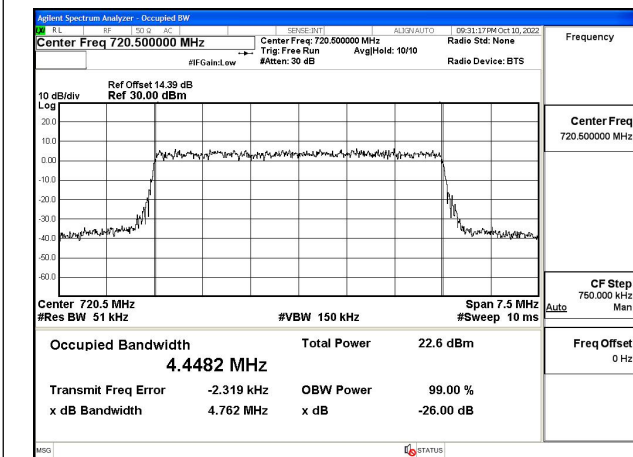


Fig.5

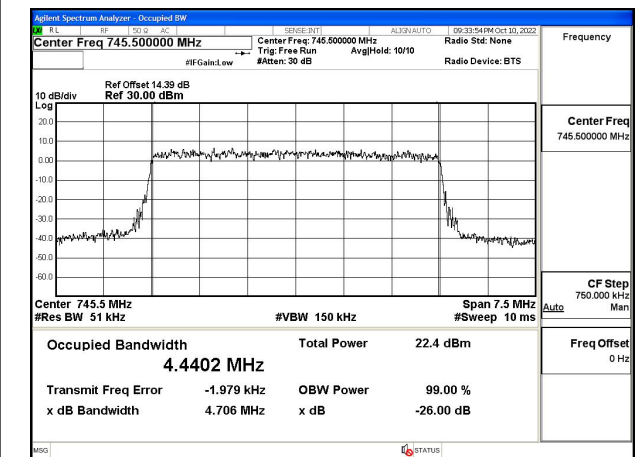


Fig.6

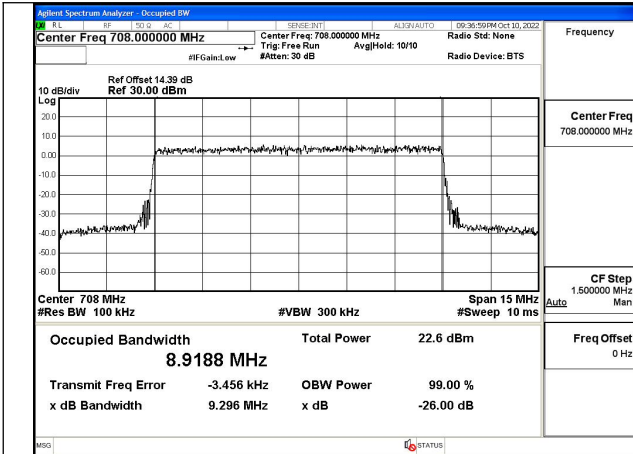


Fig.7

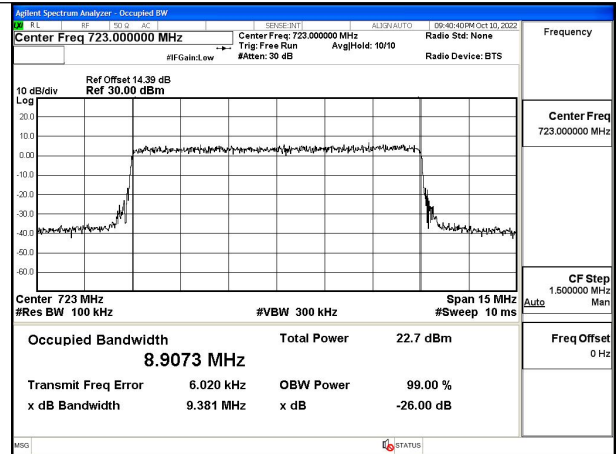


Fig.8

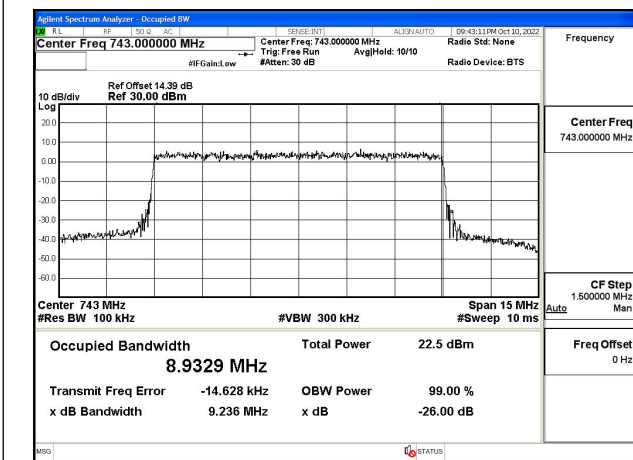


Fig.9

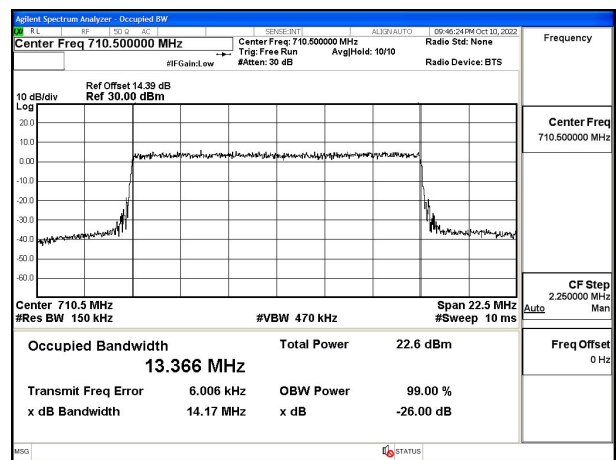


Fig.10

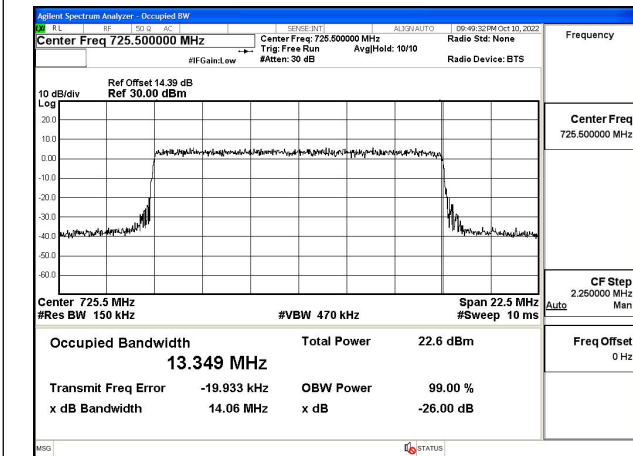


Fig.11

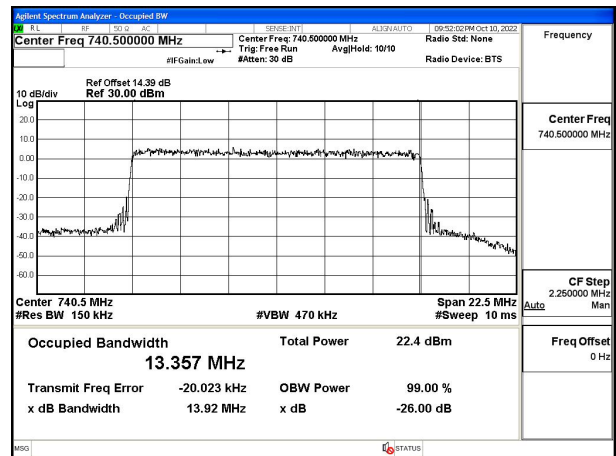


Fig.12

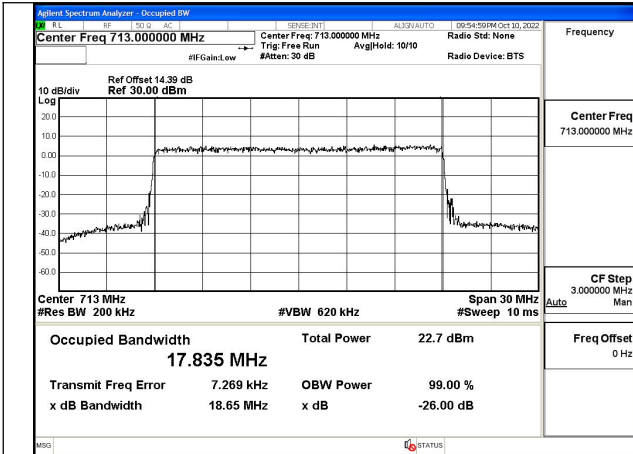


Fig. 13

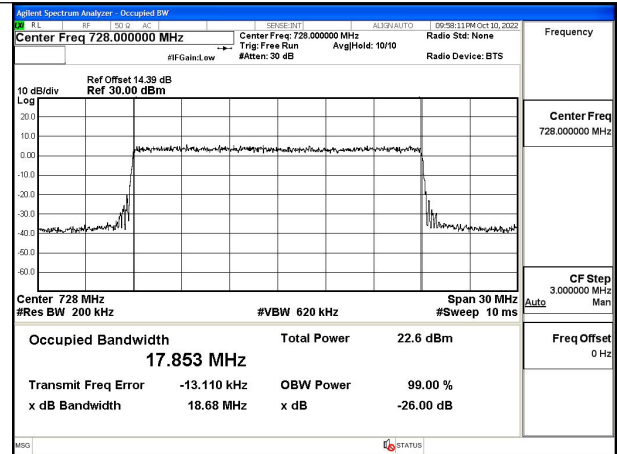


Fig. 14

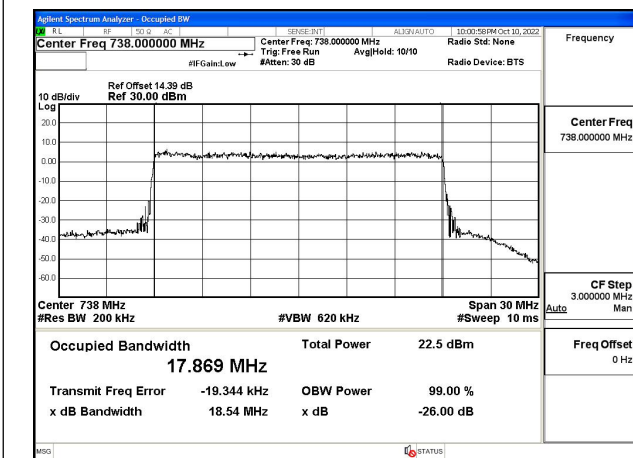


Fig. 15

Test Mode: 16QAM

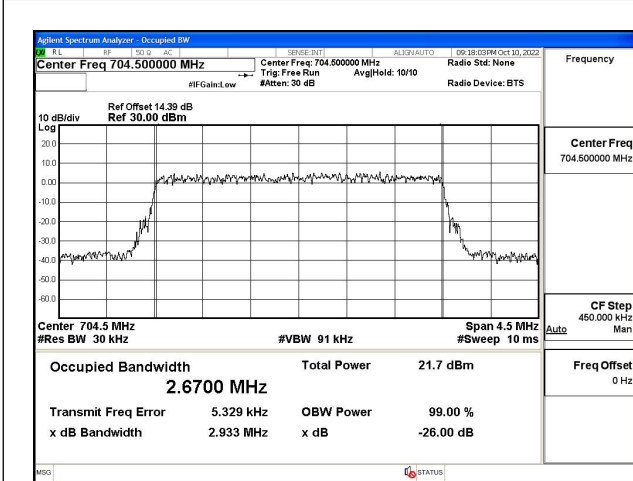


Fig.16

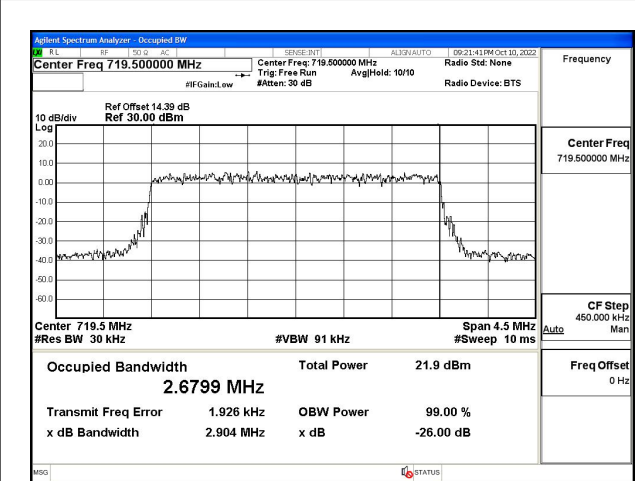


Fig.17

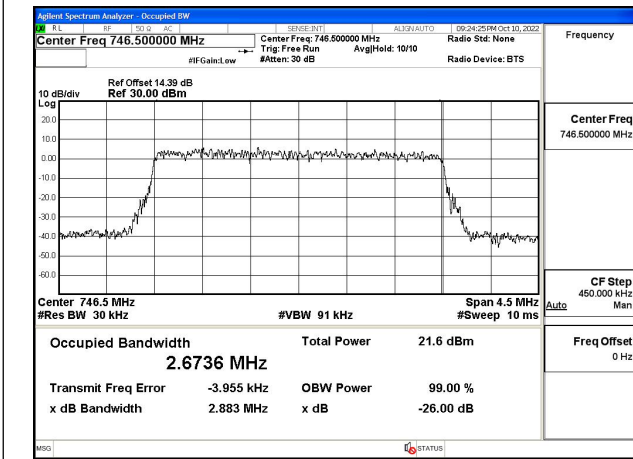


Fig.18

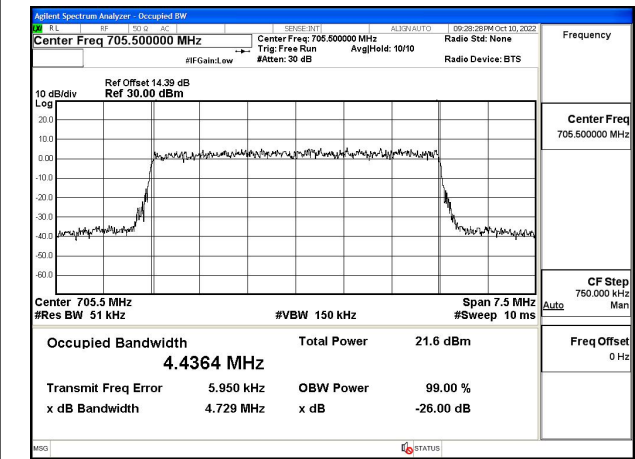


Fig.19

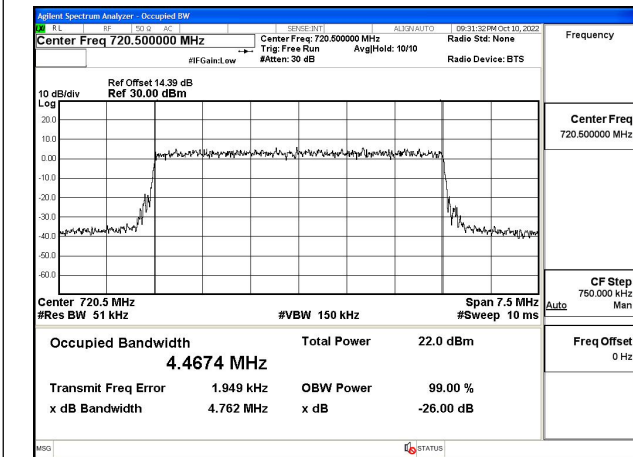


Fig.20

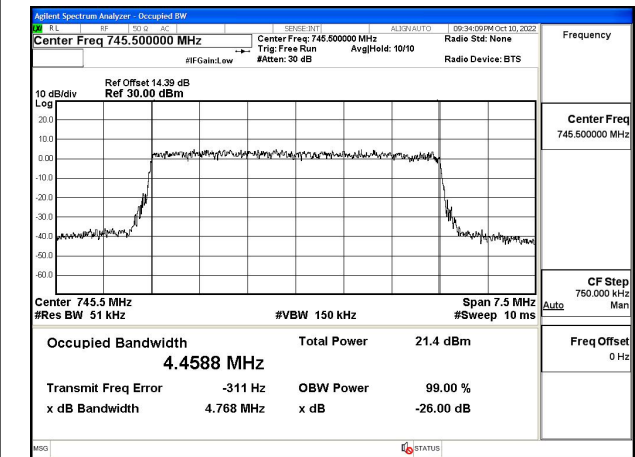


Fig.21

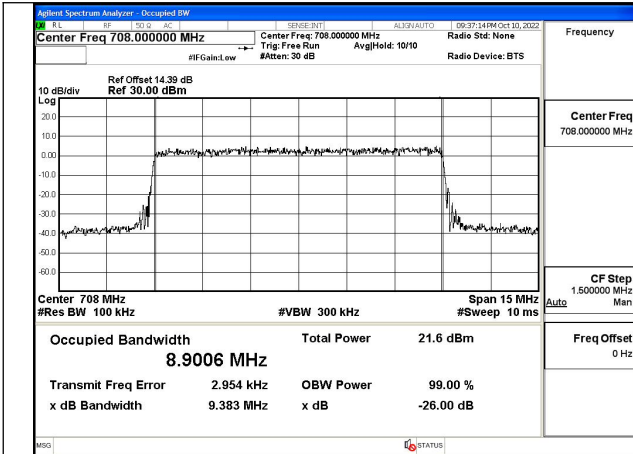


Fig.22

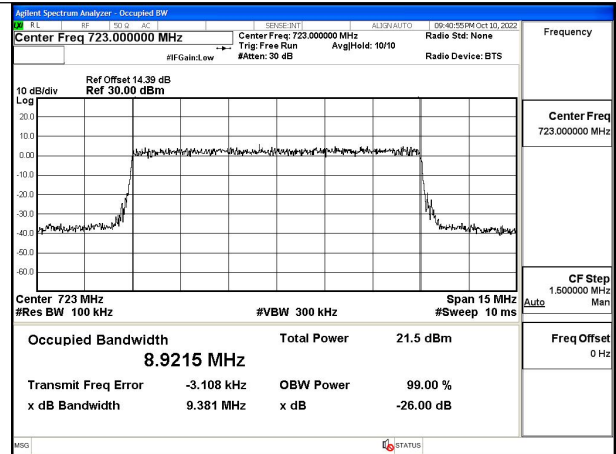


Fig.23

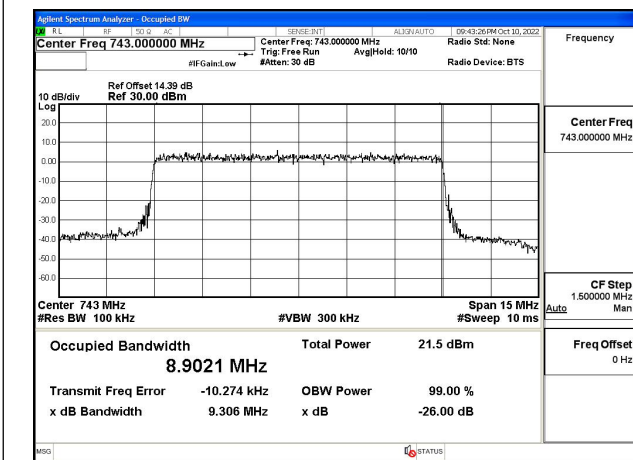


Fig.24

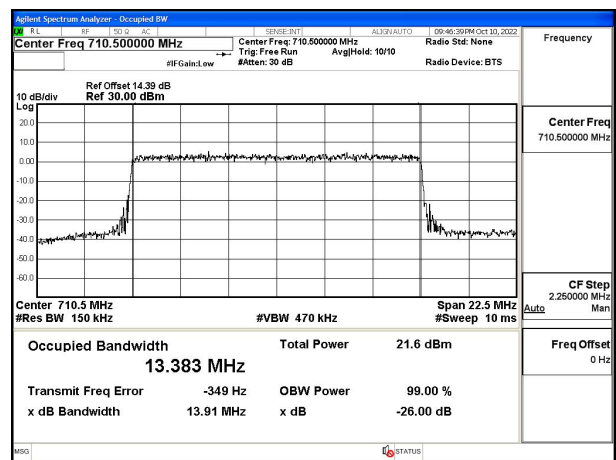


Fig.25

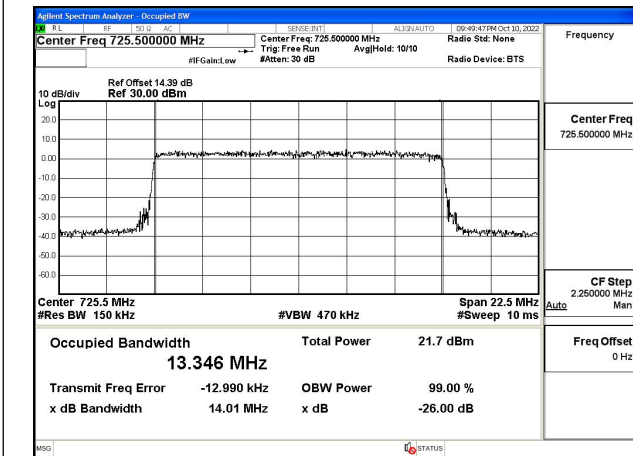


Fig.26

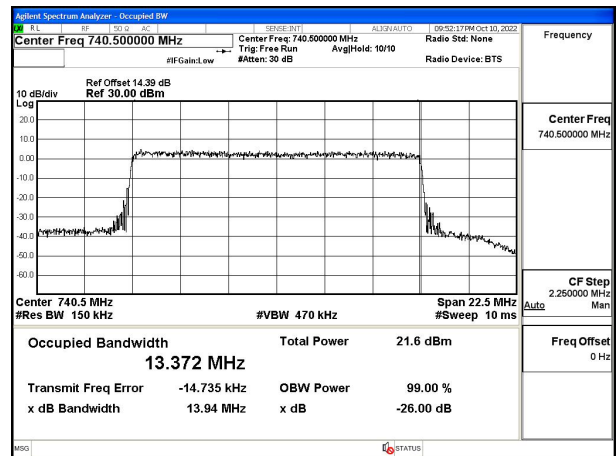


Fig.27

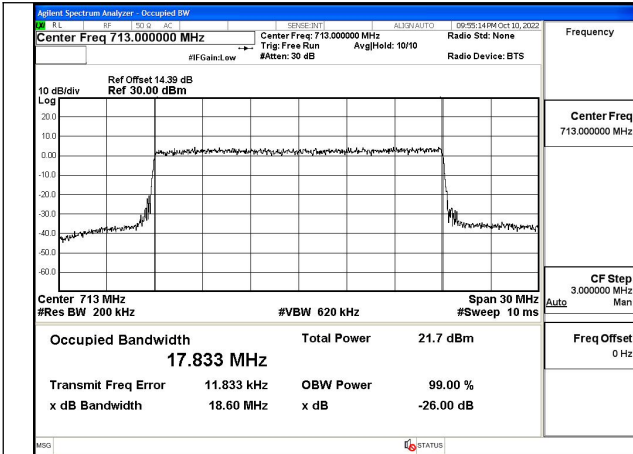


Fig.28

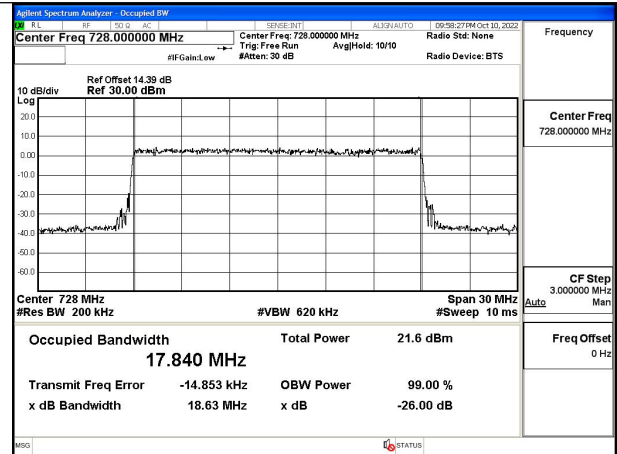


Fig.29

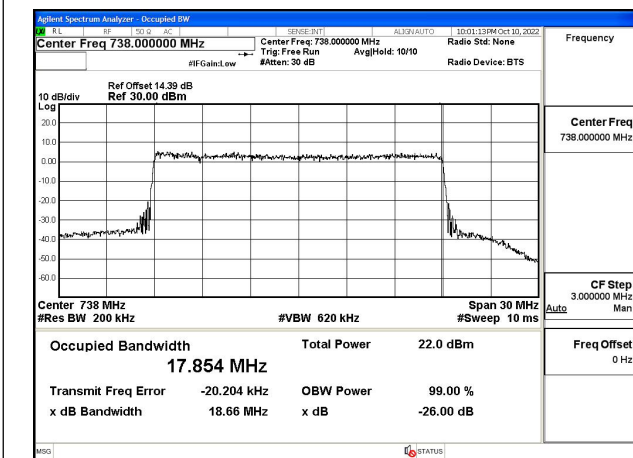


Fig.30

3 Emission Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
28	QPSK	704.5	27225	3	15	0	2.935	Fig.1
28	QPSK	719.5	27375	3	15	0	2.901	Fig.2
28	QPSK	746.5	27645	3	15	0	2.957	Fig.3
28	QPSK	705.5	27235	5	25	0	4.767	Fig.4
28	QPSK	720.5	27385	5	25	0	4.762	Fig.5
28	QPSK	745.5	27635	5	25	0	4.706	Fig.6
28	QPSK	708	27260	10	50	0	9.296	Fig.7
28	QPSK	723	27410	10	50	0	9.381	Fig.8
28	QPSK	743	27610	10	50	0	9.236	Fig.9
28	QPSK	710.5	27285	15	75	0	14.166	Fig.10
28	QPSK	725.5	27435	15	75	0	14.063	Fig.11
28	QPSK	740.5	27585	15	75	0	13.925	Fig.12
28	QPSK	713	27310	20	100	0	18.655	Fig.13
28	QPSK	728	27460	20	100	0	18.677	Fig.14
28	QPSK	738	27560	20	100	0	18.542	Fig.15

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
28	16QAM	704.5	27225	3	15	0	2.933	Fig.16
28	16QAM	719.5	27375	3	15	0	2.904	Fig.17
28	16QAM	746.5	27645	3	15	0	2.883	Fig.18
28	16QAM	705.5	27235	5	25	0	4.729	Fig.19
28	16QAM	720.5	27385	5	25	0	4.762	Fig.20
28	16QAM	745.5	27635	5	25	0	4.768	Fig.21
28	16QAM	708	27260	10	50	0	9.383	Fig.22
28	16QAM	723	27410	10	50	0	9.381	Fig.23
28	16QAM	743	27610	10	50	0	9.306	Fig.24
28	16QAM	710.5	27285	15	75	0	13.907	Fig.25
28	16QAM	725.5	27435	15	75	0	14.010	Fig.26
28	16QAM	740.5	27585	15	75	0	13.940	Fig.27
28	16QAM	713	27310	20	100	0	18.596	Fig.28
28	16QAM	728	27460	20	100	0	18.635	Fig.29
28	16QAM	738	27560	20	100	0	18.662	Fig.30

Test Mode: QPSK

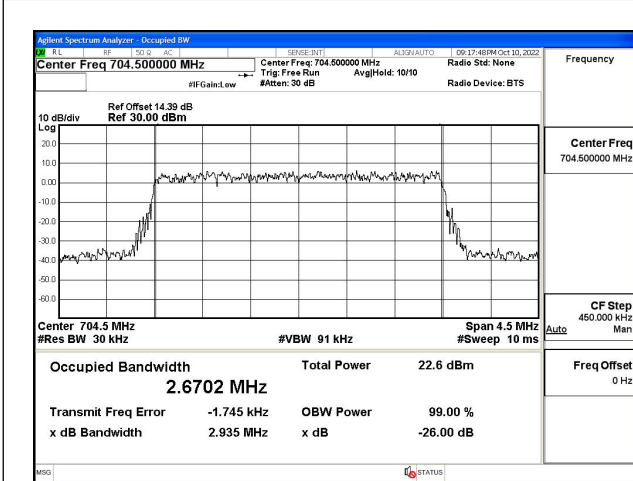


Fig.1

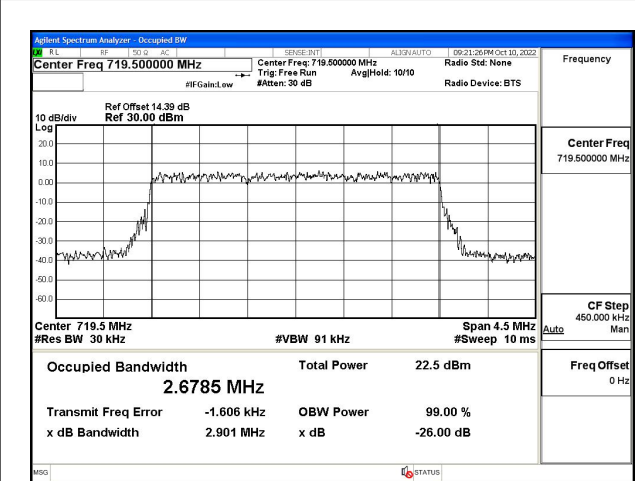


Fig.2

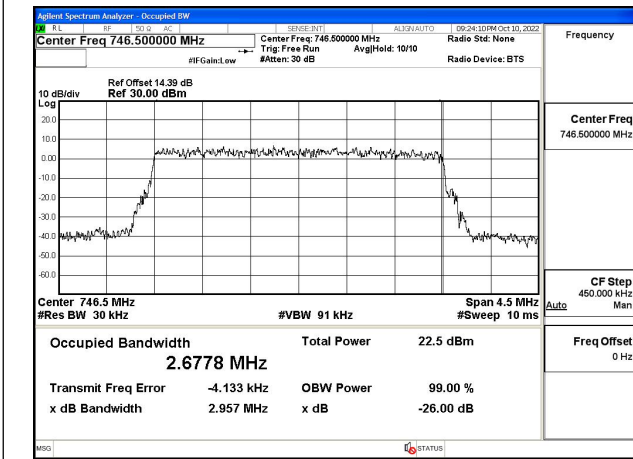


Fig.3

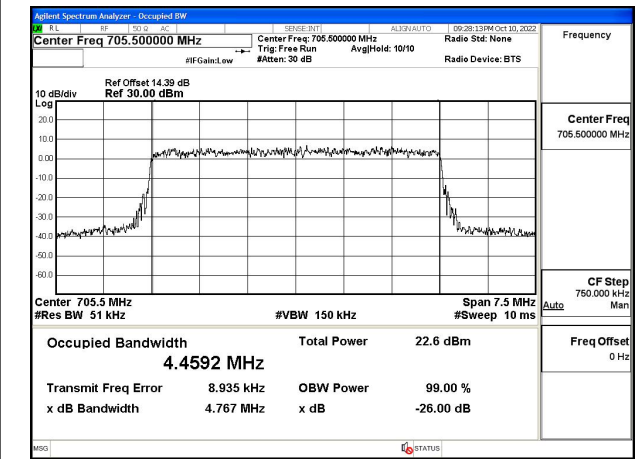


Fig.4

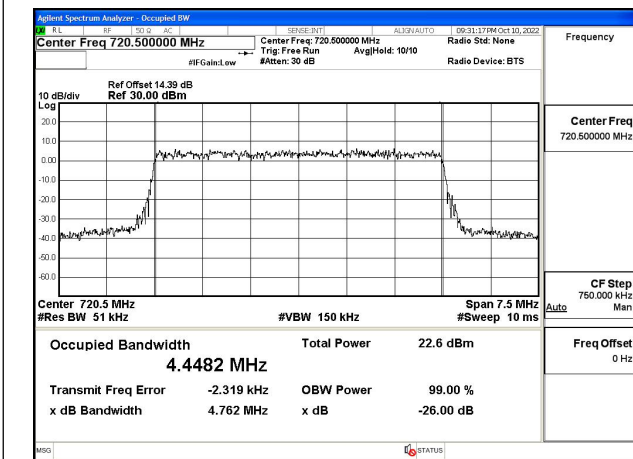


Fig.5

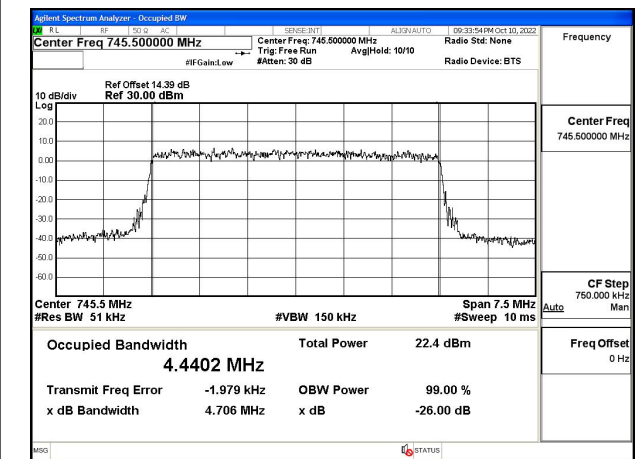


Fig.6

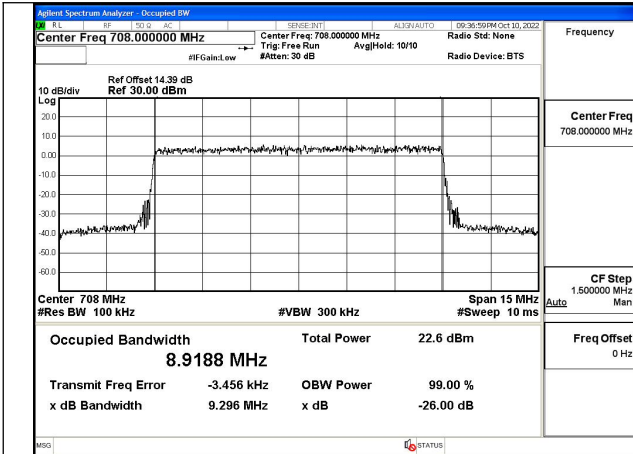


Fig.7

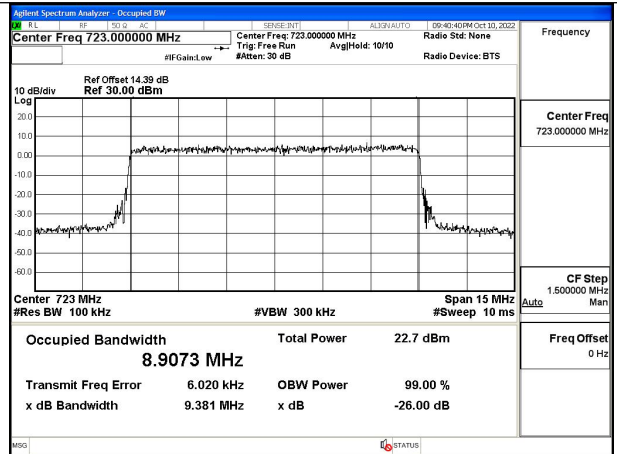


Fig.8

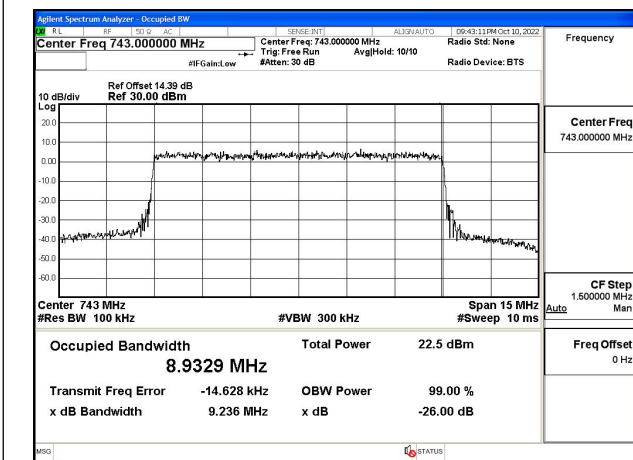


Fig.9

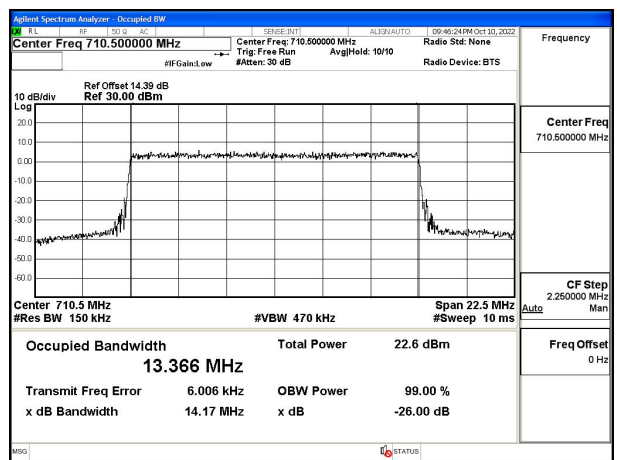


Fig.10

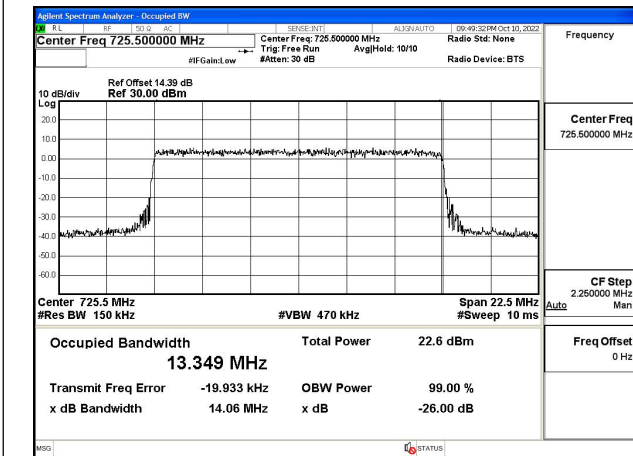


Fig.11

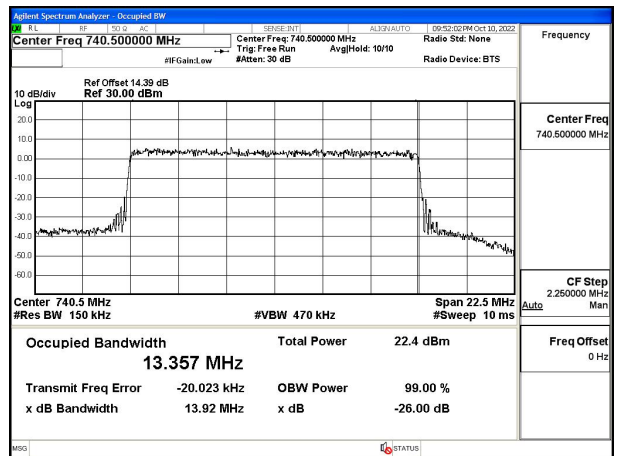


Fig.12