

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 17

1 RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	706.5	23755	5	1	0	23.61
QPSK	706.5	23755	5	1	12	23.39
QPSK	706.5	23755	5	1	24	23.27
QPSK	706.5	23755	5	12	0	22.39
QPSK	706.5	23755	5	12	7	22.41
QPSK	706.5	23755	5	12	13	22.34
QPSK	706.5	23755	5	25	0	22.37
QPSK	710	23790	5	1	0	23.51
QPSK	710	23790	5	1	12	23.58
QPSK	710	23790	5	1	24	23.57
QPSK	710	23790	5	12	0	22.18
QPSK	710	23790	5	12	7	22.49
QPSK	710	23790	5	12	13	22.25
QPSK	710	23790	5	25	0	22.49
QPSK	713.5	23825	5	1	0	23.51
QPSK	713.5	23825	5	1	12	23.35
QPSK	713.5	23825	5	1	24	23.31
QPSK	713.5	23825	5	12	0	22.27
QPSK	713.5	23825	5	12	7	22.46
QPSK	713.5	23825	5	12	13	22.50
QPSK	713.5	23825	5	25	0	22.49

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	706.5	23755	5	1	0	22.78
16QAM	706.5	23755	5	1	12	22.80
16QAM	706.5	23755	5	1	24	22.33
16QAM	706.5	23755	5	12	0	21.36
16QAM	706.5	23755	5	12	7	21.30
16QAM	706.5	23755	5	12	13	21.37
16QAM	706.5	23755	5	25	0	21.56
16QAM	710	23790	5	1	0	22.35
16QAM	710	23790	5	1	12	22.51
16QAM	710	23790	5	1	24	23.20
16QAM	710	23790	5	12	0	21.05
16QAM	710	23790	5	12	7	21.34
16QAM	710	23790	5	12	13	21.33
16QAM	710	23790	5	25	0	21.36
16QAM	713.5	23825	5	1	0	23.25
16QAM	713.5	23825	5	1	12	22.54
16QAM	713.5	23825	5	1	24	22.35
16QAM	713.5	23825	5	12	0	21.37
16QAM	713.5	23825	5	12	7	21.35
16QAM	713.5	23825	5	12	13	21.36
16QAM	713.5	23825	5	25	0	21.37
64QAM	706.5	23755	5	1	0	21.54
64QAM	706.5	23755	5	1	12	22.46
64QAM	706.5	23755	5	1	24	21.78
64QAM	706.5	23755	5	12	0	20.83
64QAM	706.5	23755	5	12	7	20.37
64QAM	706.5	23755	5	12	13	20.30
64QAM	706.5	23755	5	25	0	20.89
64QAM	710	23790	5	1	0	21.82
64QAM	710	23790	5	1	12	22.47
64QAM	710	23790	5	1	24	22.10
64QAM	710	23790	5	12	0	20.54
64QAM	710	23790	5	12	7	19.93
64QAM	710	23790	5	12	13	20.87
64QAM	710	23790	5	25	0	20.77
64QAM	713.5	23825	5	1	0	21.30
64QAM	713.5	23825	5	1	12	21.29
64QAM	713.5	23825	5	1	24	21.06
64QAM	713.5	23825	5	12	0	21.07
64QAM	713.5	23825	5	12	7	20.18
64QAM	713.5	23825	5	12	13	20.22
64QAM	713.5	23825	5	25	0	20.22

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	709	23780	10	1	0	23.62
QPSK	709	23780	10	1	25	23.52
QPSK	709	23780	10	1	49	23.56
QPSK	709	23780	10	25	0	22.34
QPSK	709	23780	10	25	12	22.39
QPSK	709	23780	10	25	25	22.28
QPSK	709	23780	10	50	0	22.27
QPSK	710	23790	10	1	0	23.60
QPSK	710	23790	10	1	25	23.50
QPSK	710	23790	10	1	49	23.53
QPSK	710	23790	10	25	0	22.32
QPSK	710	23790	10	25	12	22.36
QPSK	710	23790	10	25	25	22.33
QPSK	710	23790	10	50	0	22.35
QPSK	711	23800	10	1	0	23.53
QPSK	711	23800	10	1	25	23.67
QPSK	711	23800	10	1	49	23.32
QPSK	711	23800	10	25	0	22.41
QPSK	711	23800	10	25	12	22.27
QPSK	711	23800	10	25	25	22.22
QPSK	711	23800	10	50	0	22.41

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	709	23780	10	1	0	22.68
16QAM	709	23780	10	1	25	22.80
16QAM	709	23780	10	1	49	22.68
16QAM	709	23780	10	25	0	21.68
16QAM	709	23780	10	25	12	21.45
16QAM	709	23780	10	25	25	21.56
16QAM	709	23780	10	50	0	21.29
16QAM	710	23790	10	1	0	22.17
16QAM	710	23790	10	1	25	23.09
16QAM	710	23790	10	1	49	22.73
16QAM	710	23790	10	25	0	21.53
16QAM	710	23790	10	25	12	21.77
16QAM	710	23790	10	25	25	21.43
16QAM	710	23790	10	50	0	21.44
16QAM	711	23800	10	1	0	22.74
16QAM	711	23800	10	1	25	22.51
16QAM	711	23800	10	1	49	22.03
16QAM	711	23800	10	25	0	21.40
16QAM	711	23800	10	25	12	21.40
16QAM	711	23800	10	25	25	21.64
16QAM	711	23800	10	50	0	21.34
64QAM	709	23780	10	1	0	21.60
64QAM	709	23780	10	1	25	21.94
64QAM	709	23780	10	1	49	21.30
64QAM	709	23780	10	25	0	20.26
64QAM	709	23780	10	25	12	20.28
64QAM	709	23780	10	25	25	20.74
64QAM	709	23780	10	50	0	20.44
64QAM	710	23790	10	1	0	21.81
64QAM	710	23790	10	1	25	21.88
64QAM	710	23790	10	1	49	21.45
64QAM	710	23790	10	25	0	20.53
64QAM	710	23790	10	25	12	20.38
64QAM	710	23790	10	25	25	20.73
64QAM	710	23790	10	50	0	20.48
64QAM	711	23800	10	1	0	21.96
64QAM	711	23800	10	1	25	21.64
64QAM	711	23800	10	1	49	22.28
64QAM	711	23800	10	25	0	20.27
64QAM	711	23800	10	25	12	20.39
64QAM	711	23800	10	25	25	20.62
64QAM	711	23800	10	50	0	20.66

2 Occupied Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
17	QPSK	706.5	23755	5	25	0	4.460	Fig.1
17	QPSK	710	23790	5	25	0	4.450	Fig.2
17	QPSK	713.5	23825	5	25	0	4.460	Fig.3
17	QPSK	709	23780	10	50	0	8.920	Fig.4
17	QPSK	710	23790	10	50	0	8.910	Fig.5
17	QPSK	711	23800	10	50	0	8.910	Fig.6

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
17	16QAM	706.5	23755	5	25	0	4.470	Fig.7
17	16QAM	710	23790	5	25	0	4.460	Fig.8
17	16QAM	713.5	23825	5	25	0	4.450	Fig.9
17	16QAM	709	23780	10	50	0	8.900	Fig.10
17	16QAM	710	23790	10	50	0	8.890	Fig.11
17	16QAM	711	23800	10	50	0	8.880	Fig.12

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
17	64QAM	706.5	23755	5	25	0	4.470	Fig.13
17	64QAM	710	23790	5	25	0	4.460	Fig.14
17	64QAM	713.5	23825	5	25	0	4.470	Fig.15
17	64QAM	709	23780	10	50	0	8.920	Fig.16
17	64QAM	710	23790	10	50	0	8.900	Fig.17
17	64QAM	711	23800	10	50	0	8.920	Fig.18

Test Mode: QPSK

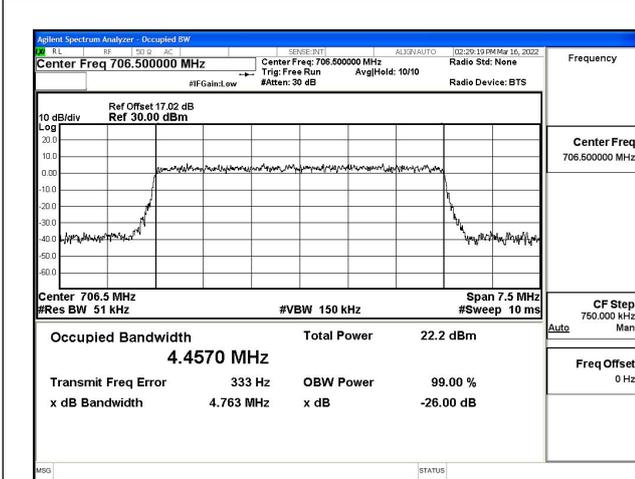


Fig.1

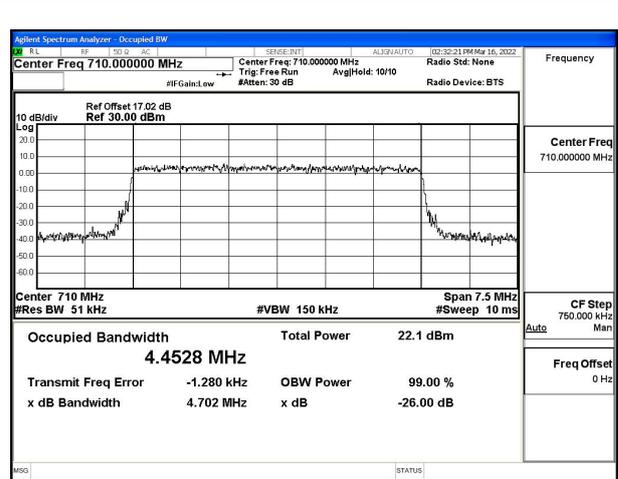


Fig.2

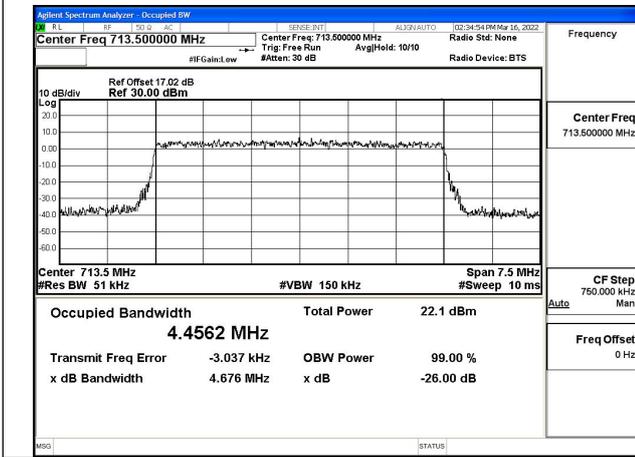


Fig.3

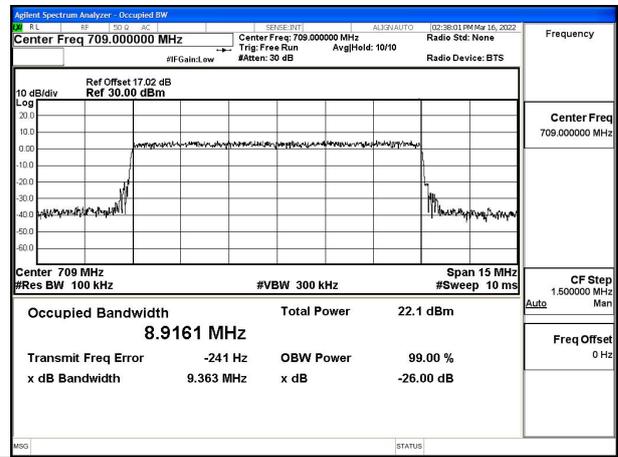


Fig.4

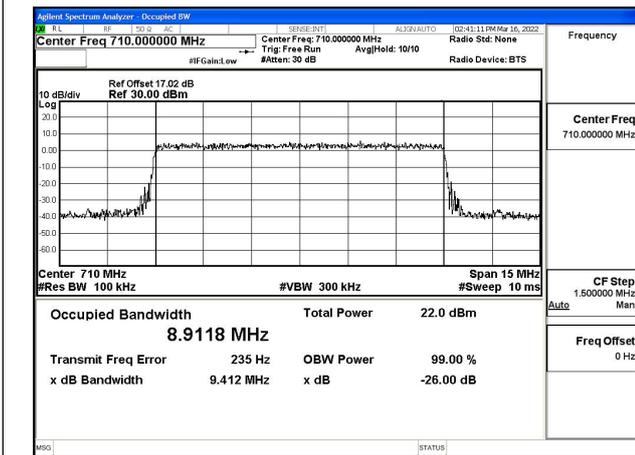


Fig.5

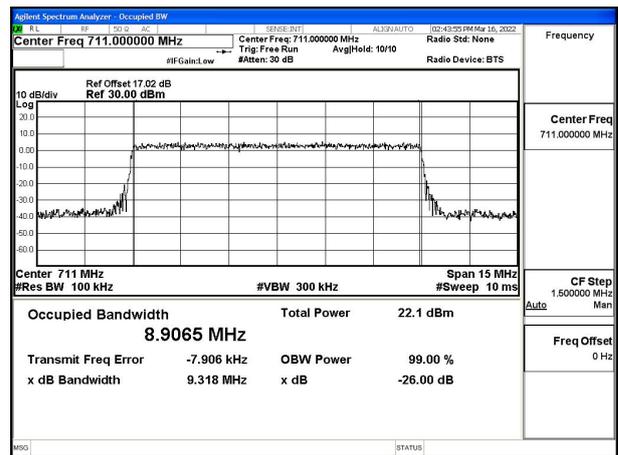


Fig.6

Test Mode: 16QAM

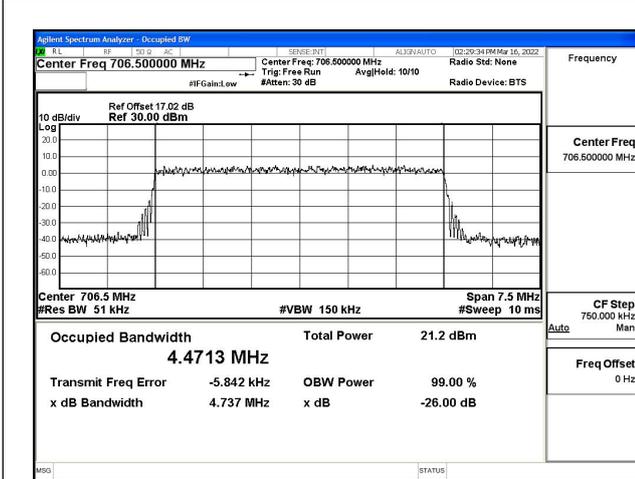


Fig.7

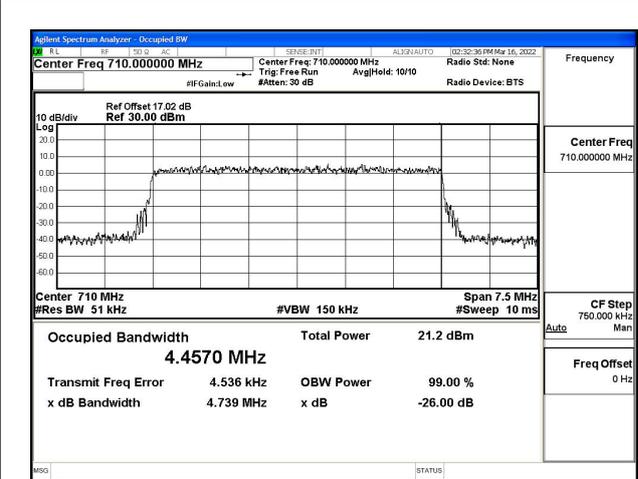


Fig.8

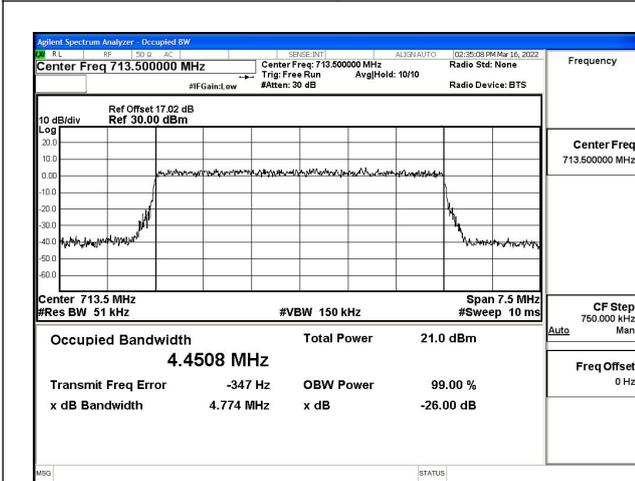


Fig.9

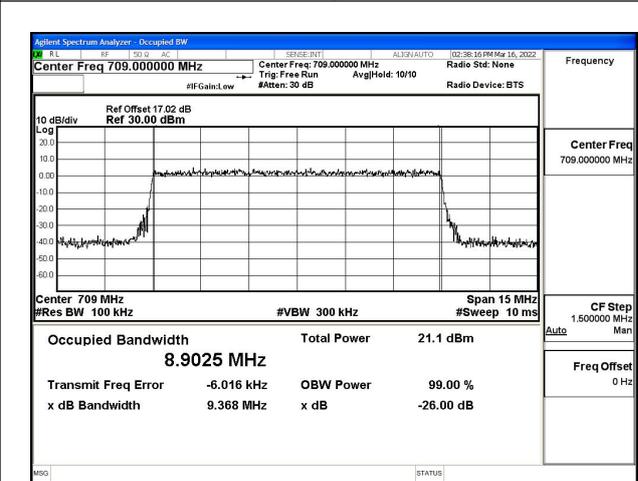


Fig.10

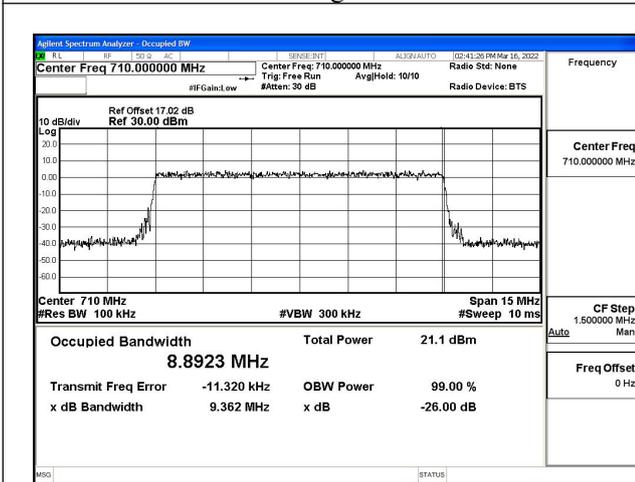


Fig.11

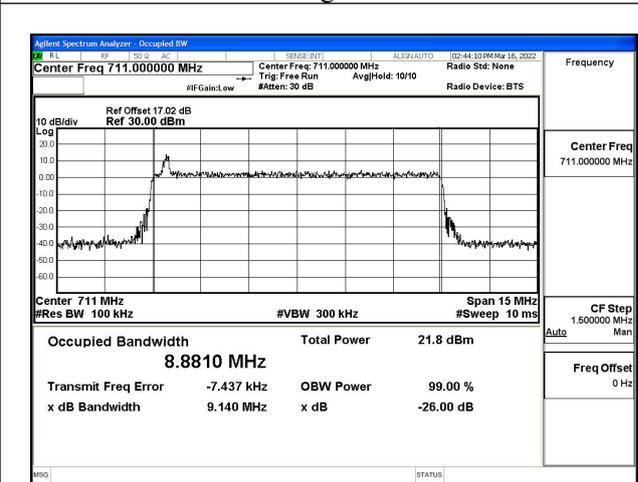


Fig.12

Test Mode: 64QAM

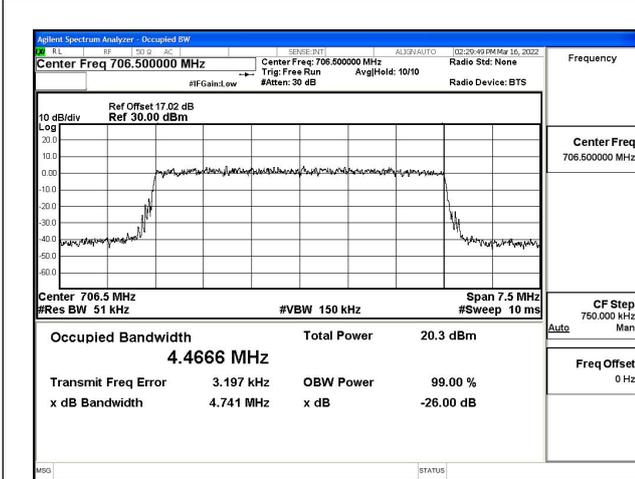


Fig.13

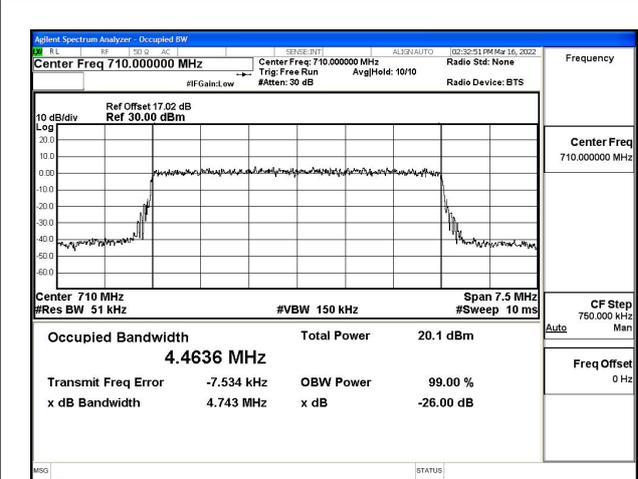


Fig.14

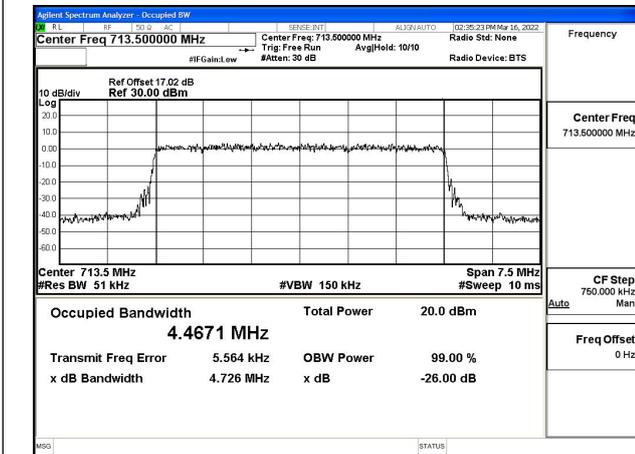


Fig.15

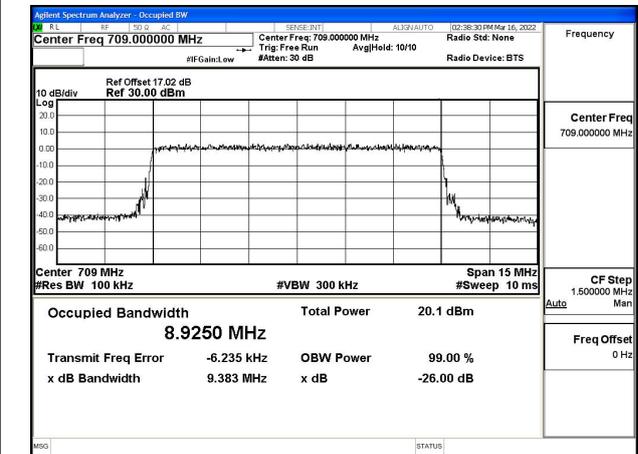


Fig.16

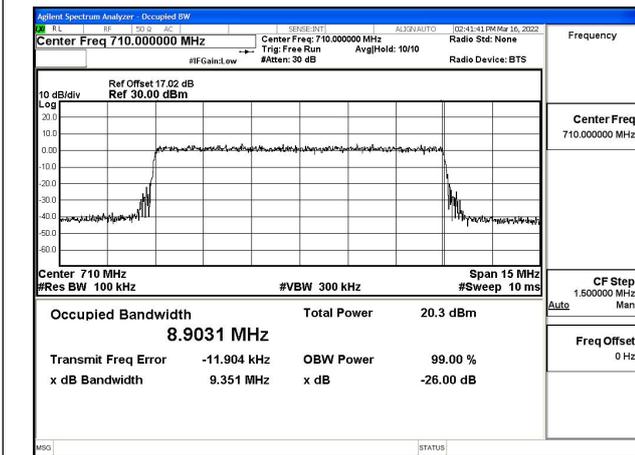


Fig.17

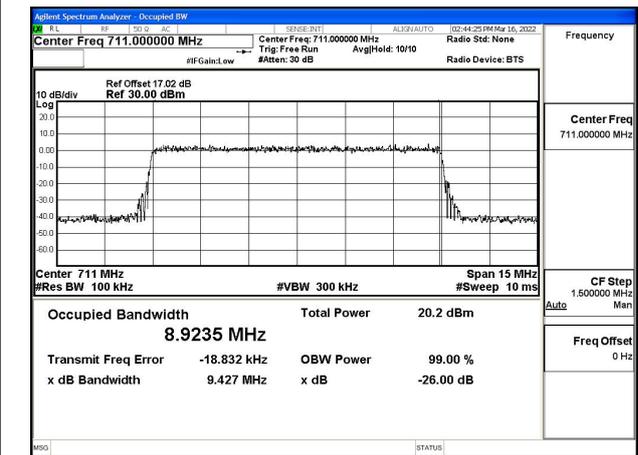


Fig.18

3 Emission Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
17	QPSK	706.5	23755	5	25	0	4.760	Fig.1
17	QPSK	710	23790	5	25	0	4.700	Fig.2
17	QPSK	713.5	23825	5	25	0	4.680	Fig.3
17	QPSK	709	23780	10	50	0	9.360	Fig.4
17	QPSK	710	23790	10	50	0	9.410	Fig.5
17	QPSK	711	23800	10	50	0	9.320	Fig.6

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
17	16QAM	706.5	23755	5	25	0	4.740	Fig.7
17	16QAM	710	23790	5	25	0	4.740	Fig.8
17	16QAM	713.5	23825	5	25	0	4.770	Fig.9
17	16QAM	709	23780	10	50	0	9.370	Fig.10
17	16QAM	710	23790	10	50	0	9.360	Fig.11
17	16QAM	711	23800	10	50	0	9.140	Fig.12

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
17	64QAM	706.5	23755	5	25	0	4.740	Fig.13
17	64QAM	710	23790	5	25	0	4.740	Fig.14
17	64QAM	713.5	23825	5	25	0	4.730	Fig.15
17	64QAM	709	23780	10	50	0	9.380	Fig.16
17	64QAM	710	23790	10	50	0	9.350	Fig.17
17	64QAM	711	23800	10	50	0	9.430	Fig.18

Test Mode: QPSK

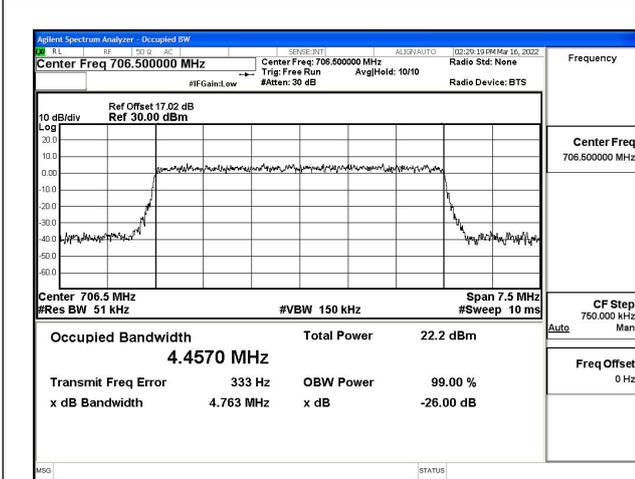


Fig.1

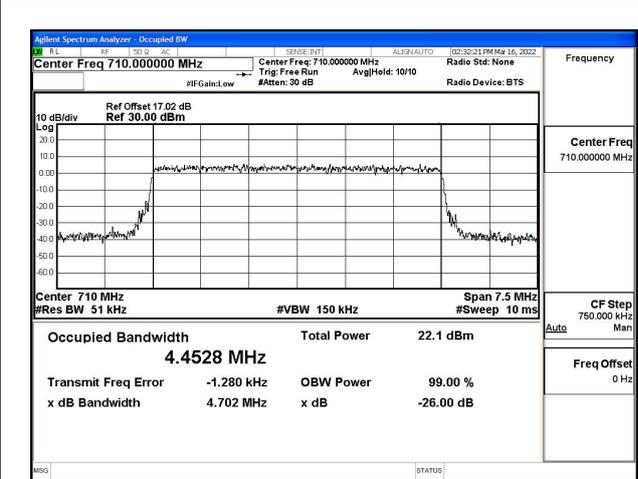


Fig.2

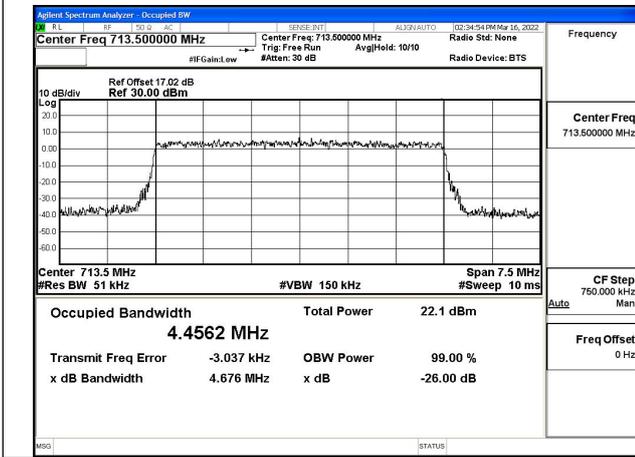


Fig.3

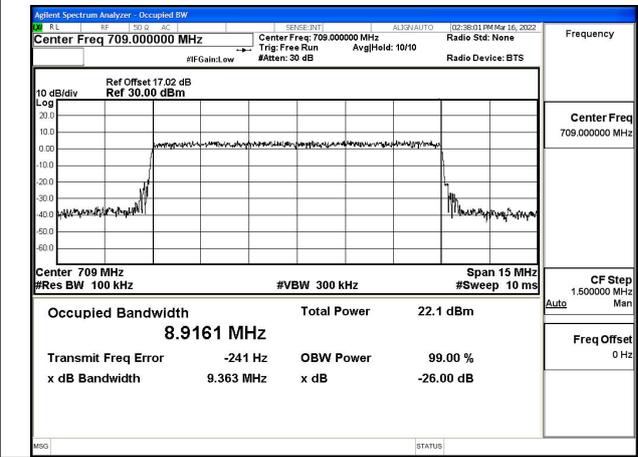


Fig.4

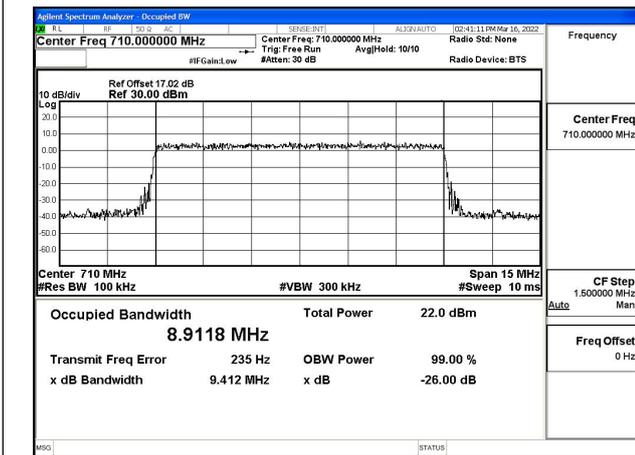


Fig.5

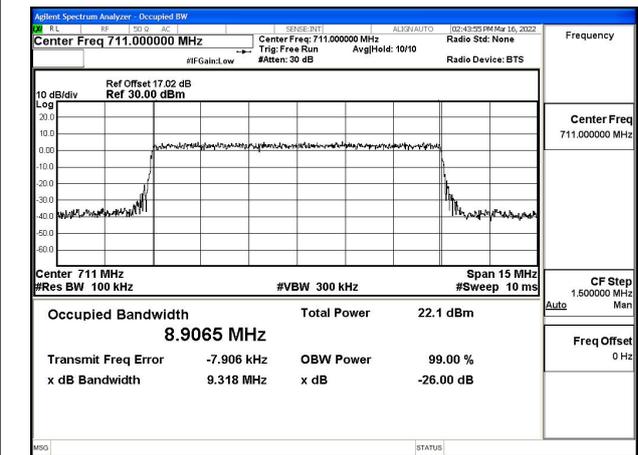


Fig.6

Test Mode: 16QAM

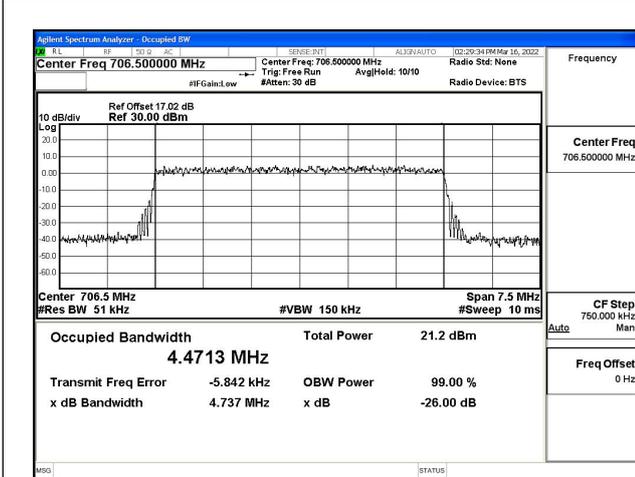


Fig.7

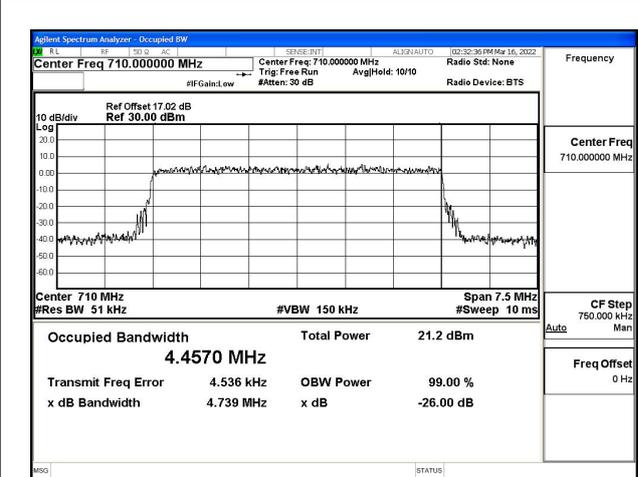


Fig.8

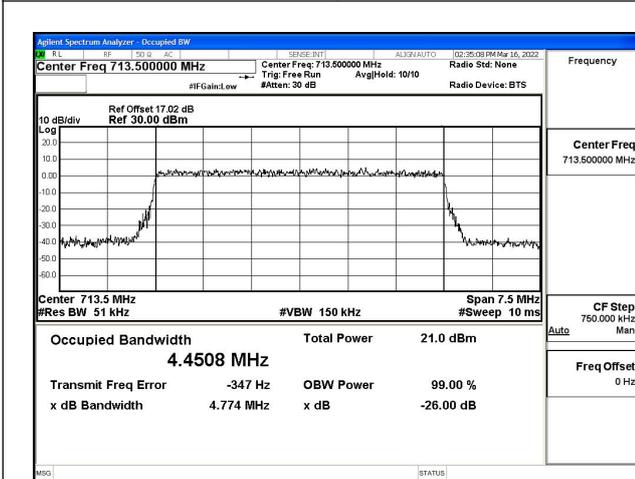


Fig.9

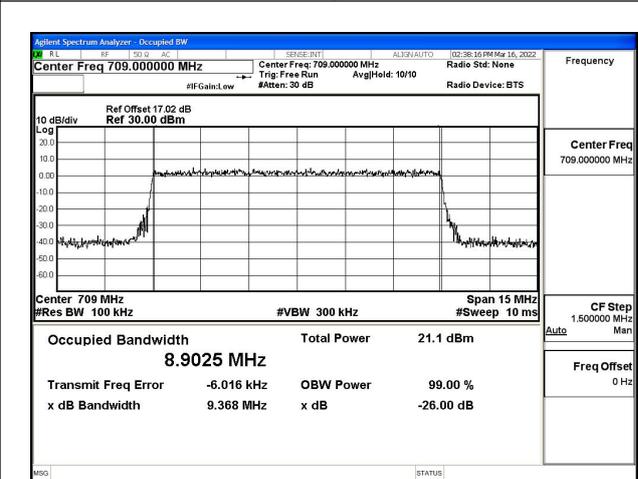


Fig.10

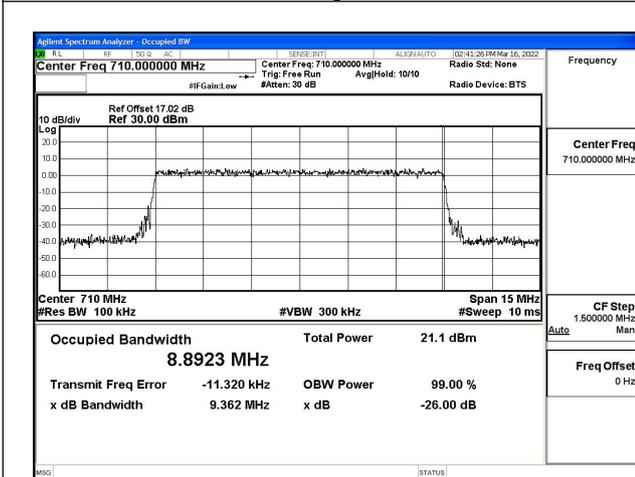


Fig.11

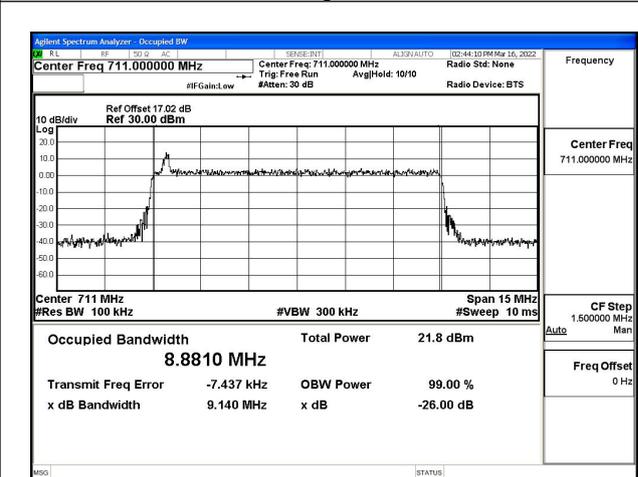


Fig.12

Test Mode: 64QAM

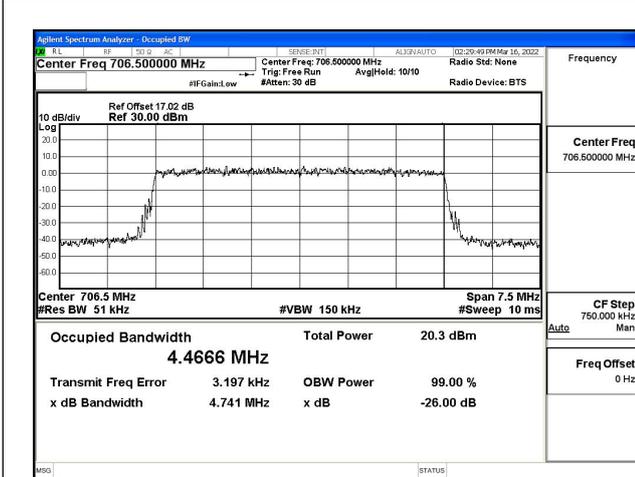


Fig.13

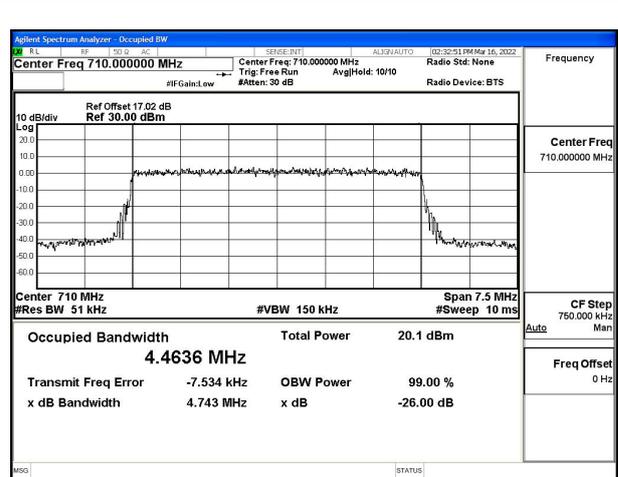


Fig.14

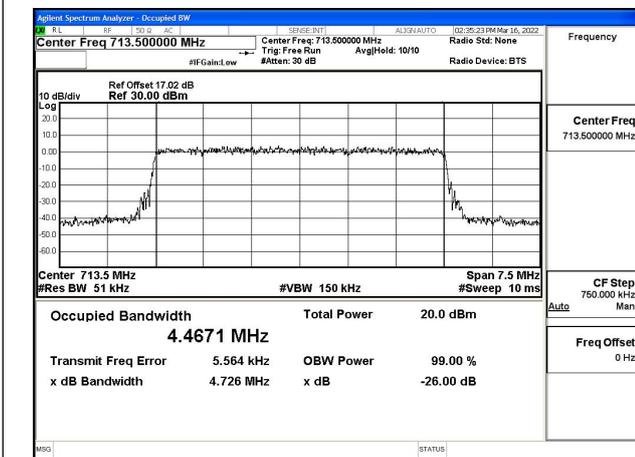


Fig.15

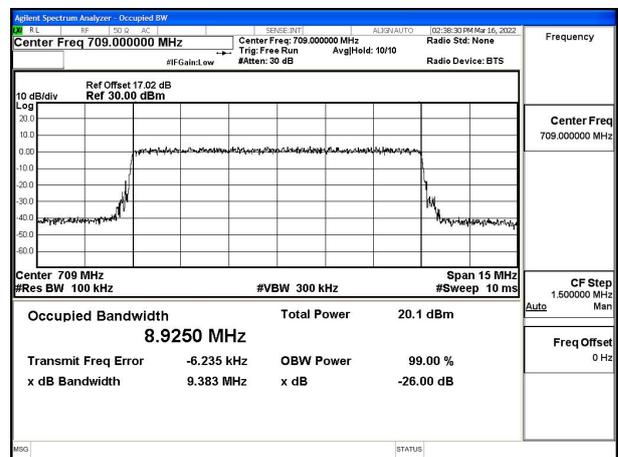


Fig.16

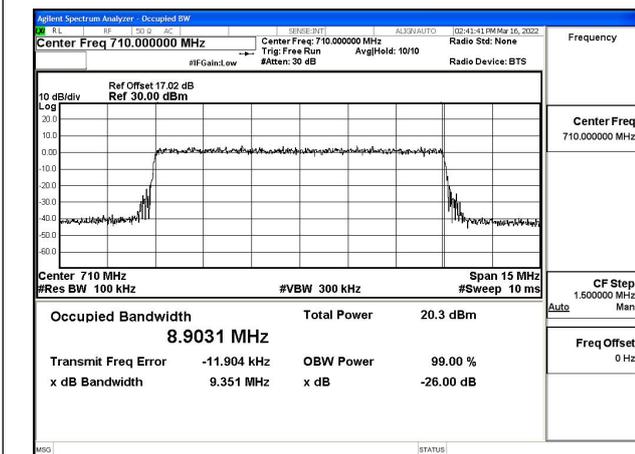


Fig.17

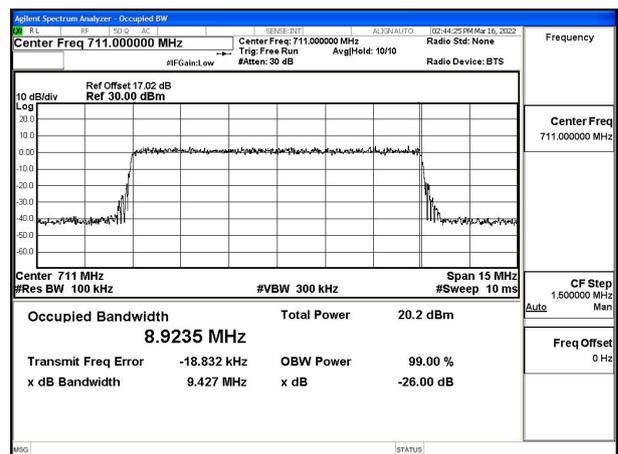


Fig.18

4 Peak-Average Ratio

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	QPSK	16-QAM	64-QAM
17	706.5	23755	5	1	24	Fig.1	Fig.2	Fig.3
17	706.5	23755	5	25	0	Fig.4	Fig.5	Fig.6
17	710	23790	5	1	24	Fig.7	Fig.8	Fig.9
17	710	23790	5	25	0	Fig.10	Fig.11	Fig.12
17	713.5	23825	5	1	24	Fig.13	Fig.14	Fig.15
17	713.5	23825	5	25	0	Fig.16	Fig.17	Fig.18
17	709	23780	10	1	49	Fig.19	Fig.20	Fig.21
17	709	23780	10	50	0	Fig.22	Fig.23	Fig.24
17	710	23790	10	1	49	Fig.25	Fig.26	Fig.27
17	710	23790	10	50	0	Fig.28	Fig.29	Fig.30
17	711	23800	10	1	49	Fig.31	Fig.32	Fig.33
17	711	23800	10	50	0	Fig.34	Fig.35	Fig.36

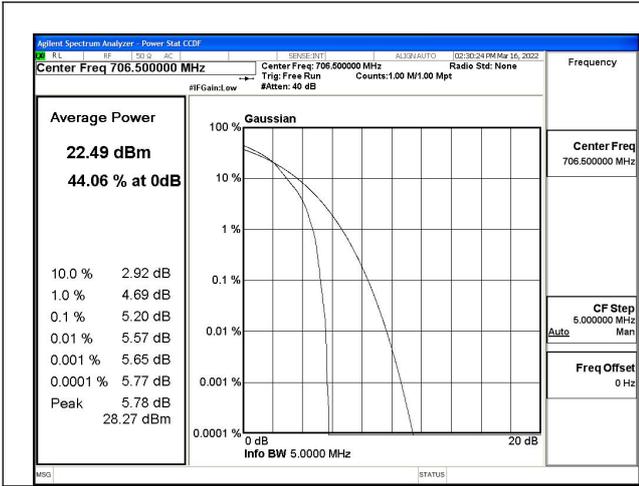


Fig.1

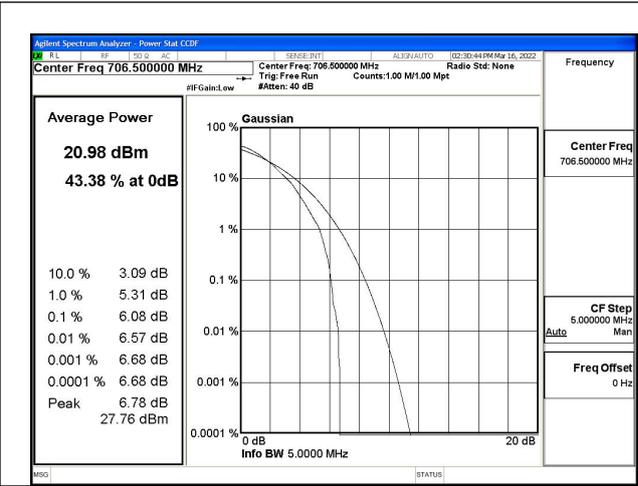


Fig.2

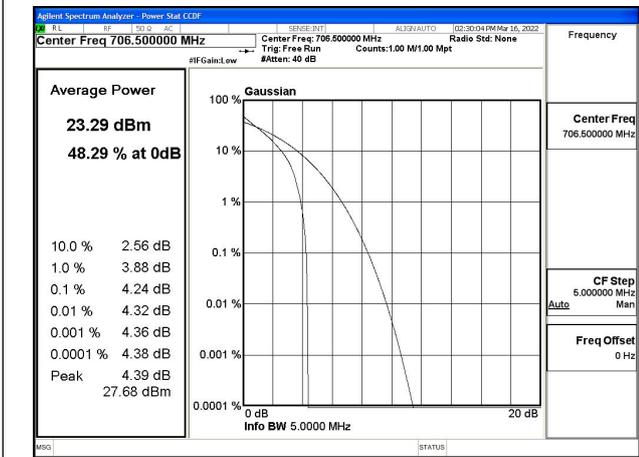


Fig.3

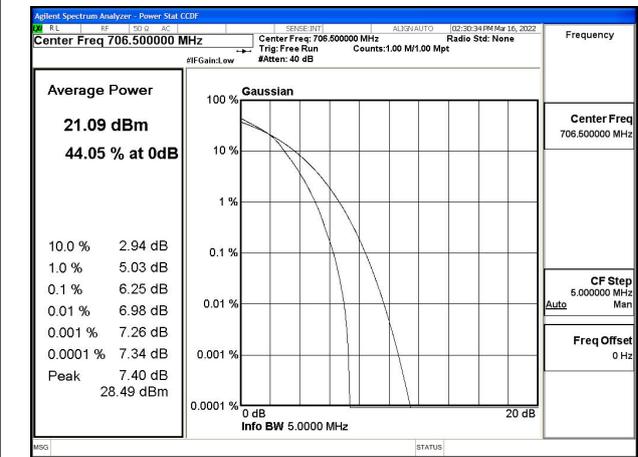


Fig.4

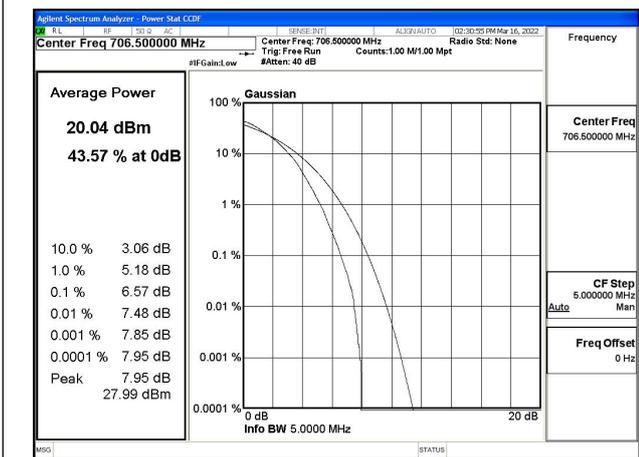


Fig.5

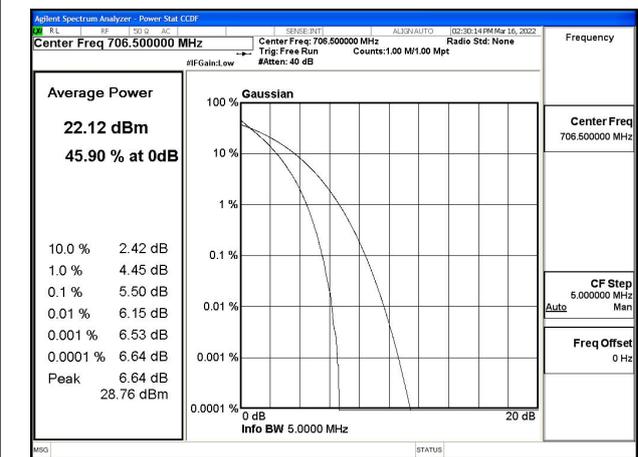


Fig.6