

**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	22.99
QPSK	706.5	23755	5	1	12	23.05
QPSK	706.5	23755	5	1	24	22.94
QPSK	706.5	23755	5	12	0	22.02
QPSK	706.5	23755	5	12	7	22.27
QPSK	706.5	23755	5	12	13	22.17
QPSK	706.5	23755	5	25	0	22.12
QPSK	710	23790	5	1	0	23.13
QPSK	710	23790	5	1	12	23.11
QPSK	710	23790	5	1	24	22.86
QPSK	710	23790	5	12	0	22.18
QPSK	710	23790	5	12	7	22.19
QPSK	710	23790	5	12	13	22.20
QPSK	710	23790	5	25	0	22.14
QPSK	713.5	23825	5	1	0	23.10
QPSK	713.5	23825	5	1	12	22.99
QPSK	713.5	23825	5	1	24	22.94
QPSK	713.5	23825	5	12	0	22.15
QPSK	713.5	23825	5	12	7	22.02
QPSK	713.5	23825	5	12	13	22.14
QPSK	713.5	23825	5	25	0	21.96

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	706.5	23755	5	1	0	22.35
16QAM	706.5	23755	5	1	12	22.31
16QAM	706.5	23755	5	1	24	22.35
16QAM	706.5	23755	5	12	0	21.17
16QAM	706.5	23755	5	12	7	21.27
16QAM	706.5	23755	5	12	13	21.07
16QAM	706.5	23755	5	25	0	21.20
16QAM	710	23790	5	1	0	22.03
16QAM	710	23790	5	1	12	22.69
16QAM	710	23790	5	1	24	22.34
16QAM	710	23790	5	12	0	21.06
16QAM	710	23790	5	12	7	21.08
16QAM	710	23790	5	12	13	21.19
16QAM	710	23790	5	25	0	21.10
16QAM	713.5	23825	5	1	0	22.28
16QAM	713.5	23825	5	1	12	22.41
16QAM	713.5	23825	5	1	24	22.02
16QAM	713.5	23825	5	12	0	21.09
16QAM	713.5	23825	5	12	7	21.15
16QAM	713.5	23825	5	12	13	21.07
16QAM	713.5	23825	5	25	0	21.06
64QAM	706.5	23755	5	1	0	22.03
64QAM	706.5	23755	5	1	12	22.13
64QAM	706.5	23755	5	1	24	22.36
64QAM	706.5	23755	5	12	0	21.21
64QAM	706.5	23755	5	12	7	21.23
64QAM	706.5	23755	5	12	13	21.23
64QAM	706.5	23755	5	25	0	21.22
64QAM	710	23790	5	1	0	22.13
64QAM	710	23790	5	1	12	22.08
64QAM	710	23790	5	1	24	22.32
64QAM	710	23790	5	12	0	21.06
64QAM	710	23790	5	12	7	21.14
64QAM	710	23790	5	12	13	21.06
64QAM	710	23790	5	25	0	21.14
64QAM	713.5	23825	5	1	0	22.07
64QAM	713.5	23825	5	1	12	21.95
64QAM	713.5	23825	5	1	24	22.27
64QAM	713.5	23825	5	12	0	21.03
64QAM	713.5	23825	5	12	7	21.19
64QAM	713.5	23825	5	12	13	20.96
64QAM	713.5	23825	5	25	0	21.14

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	709	23780	10	1	0	23.25
QPSK	709	23780	10	1	25	22.97
QPSK	709	23780	10	1	49	22.97
QPSK	709	23780	10	25	0	22.11
QPSK	709	23780	10	25	12	22.14
QPSK	709	23780	10	25	25	22.11
QPSK	709	23780	10	50	0	22.29
QPSK	710	23790	10	1	0	23.10
QPSK	710	23790	10	1	25	23.13
QPSK	710	23790	10	1	49	22.96
QPSK	710	23790	10	25	0	22.14
QPSK	710	23790	10	25	12	22.16
QPSK	710	23790	10	25	25	22.15
QPSK	710	23790	10	50	0	22.05
QPSK	711	23800	10	1	0	23.05
QPSK	711	23800	10	1	25	23.05
QPSK	711	23800	10	1	49	22.82
QPSK	711	23800	10	25	0	22.16
QPSK	711	23800	10	25	12	22.14
QPSK	711	23800	10	25	25	22.07
QPSK	711	23800	10	50	0	22.11

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	709	23780	10	1	0	22.28
16QAM	709	23780	10	1	25	22.27
16QAM	709	23780	10	1	49	22.66
16QAM	709	23780	10	25	0	21.10
16QAM	709	23780	10	25	12	21.19
16QAM	709	23780	10	25	25	21.17
16QAM	709	23780	10	50	0	21.21
16QAM	710	23790	10	1	0	22.62
16QAM	710	23790	10	1	25	22.78
16QAM	710	23790	10	1	49	21.96
16QAM	710	23790	10	25	0	21.12
16QAM	710	23790	10	25	12	21.13
16QAM	710	23790	10	25	25	21.17
16QAM	710	23790	10	50	0	21.11
16QAM	711	23800	10	1	0	22.66
16QAM	711	23800	10	1	25	22.47
16QAM	711	23800	10	1	49	22.34
16QAM	711	23800	10	25	0	21.08
16QAM	711	23800	10	25	12	21.22
16QAM	711	23800	10	25	25	21.13
16QAM	711	23800	10	50	0	20.99
64QAM	709	23780	10	1	0	22.51
64QAM	709	23780	10	1	25	22.20
64QAM	709	23780	10	1	49	22.24
64QAM	709	23780	10	25	0	21.14
64QAM	709	23780	10	25	12	21.32
64QAM	709	23780	10	25	25	21.23
64QAM	709	23780	10	50	0	21.14
64QAM	710	23790	10	1	0	22.76
64QAM	710	23790	10	1	25	22.24
64QAM	710	23790	10	1	49	22.00
64QAM	710	23790	10	25	0	21.15
64QAM	710	23790	10	25	12	21.03
64QAM	710	23790	10	25	25	21.23
64QAM	710	23790	10	50	0	21.15
64QAM	711	23800	10	1	0	22.30
64QAM	711	23800	10	1	25	22.35
64QAM	711	23800	10	1	49	21.97
64QAM	711	23800	10	25	0	21.14
64QAM	711	23800	10	25	12	21.11
64QAM	711	23800	10	25	25	21.13
64QAM	711	23800	10	50	0	21.12

## 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	4.470	Fig.1
17	QPSK	710	23790	5	25	0	4.446	Fig.2
17	QPSK	713.5	23825	5	25	0	4.461	Fig.3
17	QPSK	709	23780	10	50	0	8.914	Fig.4
17	QPSK	710	23790	10	50	0	8.895	Fig.5
17	QPSK	711	23800	10	50	0	8.920	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	4.453	Fig.7
17	16QAM	710	23790	5	25	0	4.464	Fig.8
17	16QAM	713.5	23825	5	25	0	4.462	Fig.9
17	16QAM	709	23780	10	50	0	8.899	Fig.10
17	16QAM	710	23790	10	50	0	8.908	Fig.11
17	16QAM	711	23800	10	50	0	8.925	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	4.464	Fig.13
17	64QAM	710	23790	5	25	0	4.456	Fig.14
17	64QAM	713.5	23825	5	25	0	4.453	Fig.15
17	64QAM	709	23780	10	50	0	8.923	Fig.16
17	64QAM	710	23790	10	50	0	8.921	Fig.17
17	64QAM	711	23800	10	50	0	8.923	Fig.18

Test Mode: QPSK

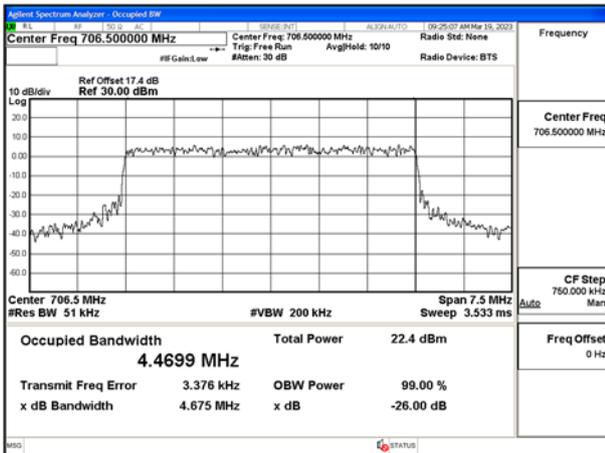


Fig.1

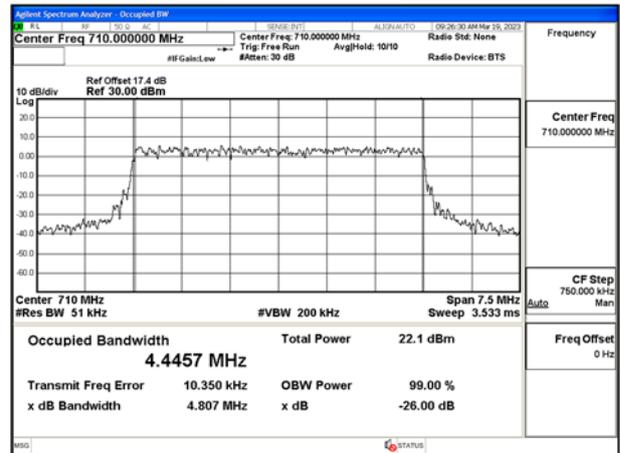


Fig.2

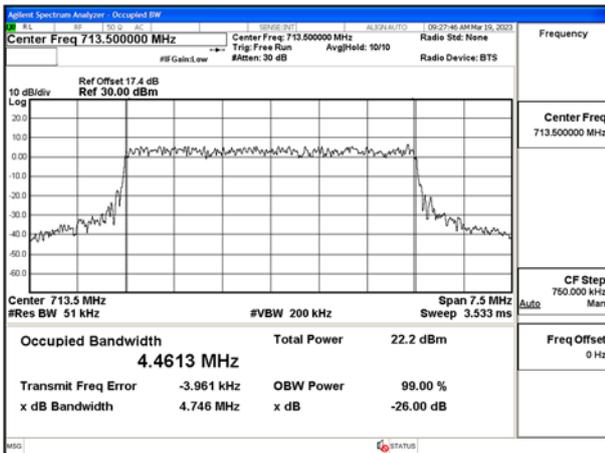


Fig.3

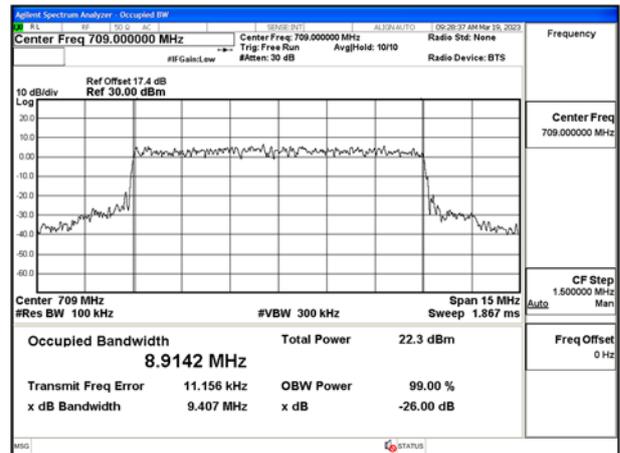


Fig.4

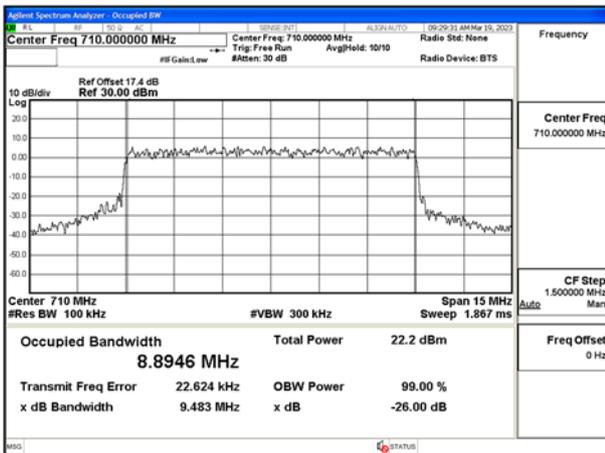


Fig.5

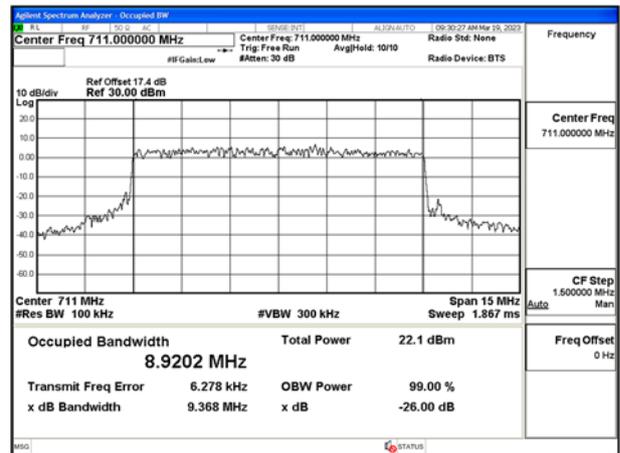


Fig.6

Test Mode: 16QAM

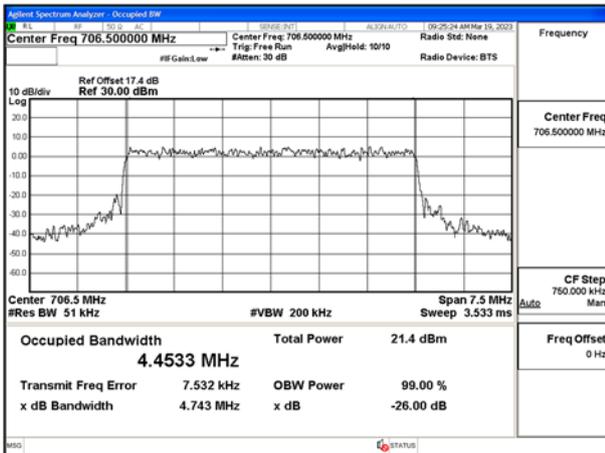


Fig.7

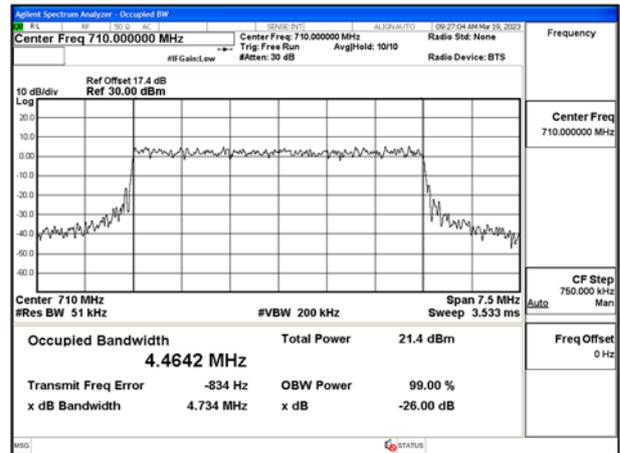


Fig.8

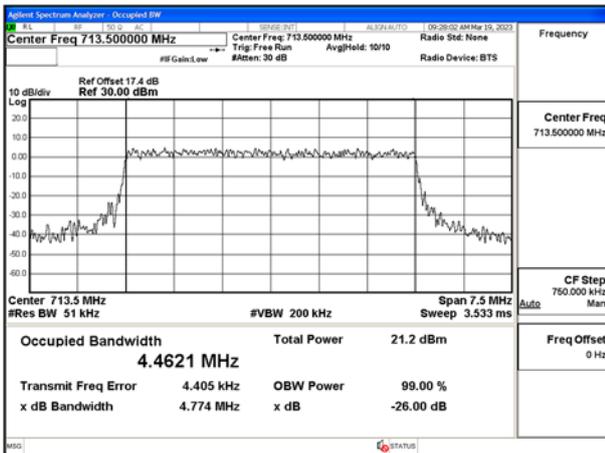


Fig.9

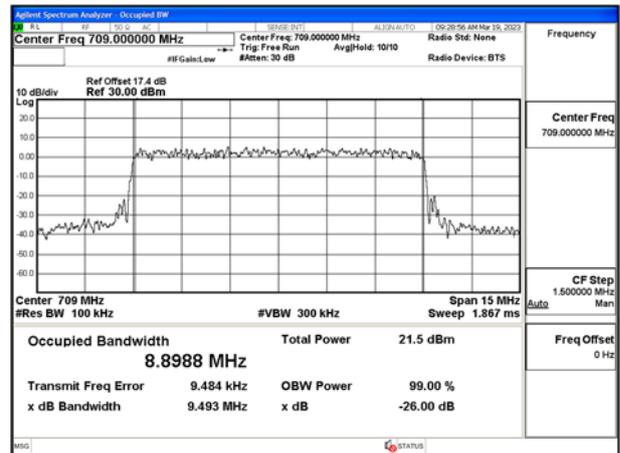


Fig.10

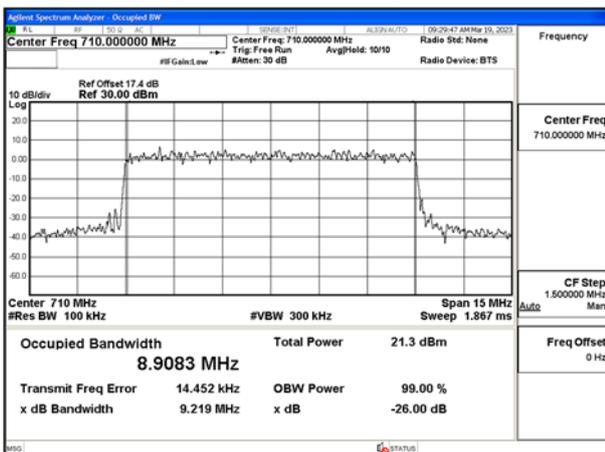


Fig.11

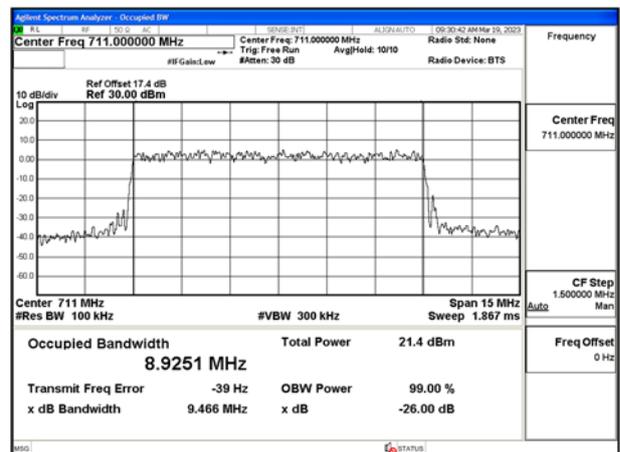


Fig.12

Test Mode: 64QAM

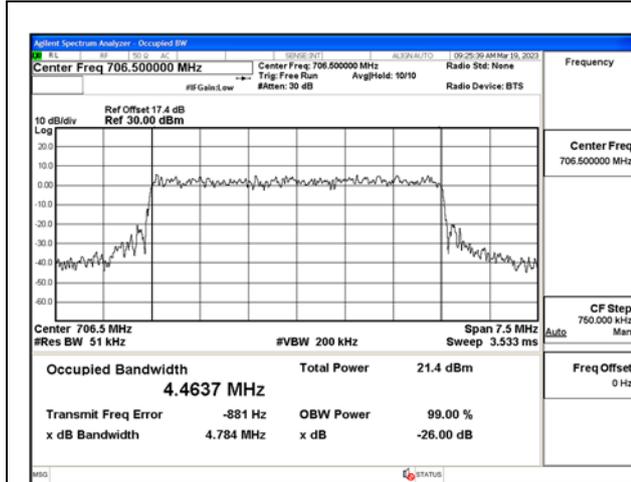


Fig.13

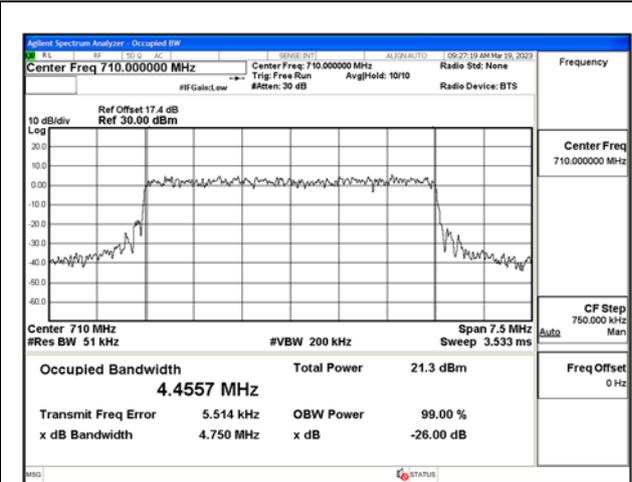


Fig.14

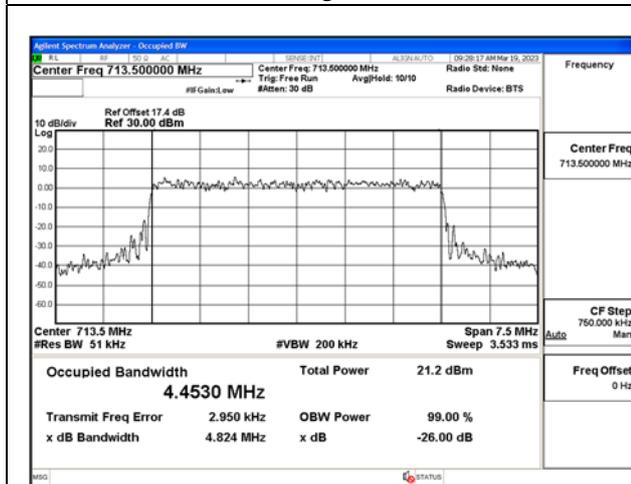


Fig.15

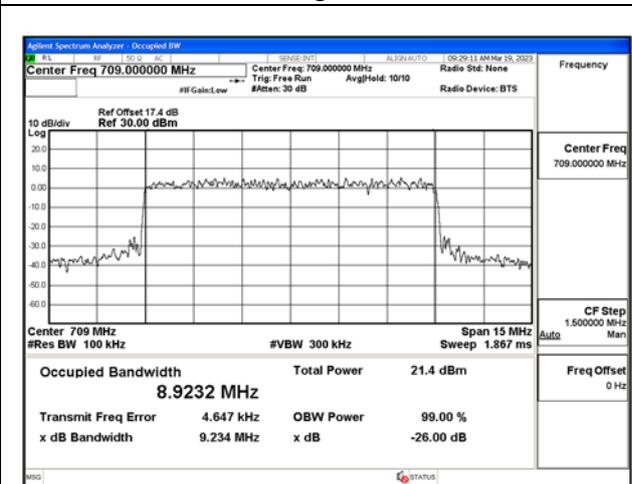


Fig.16

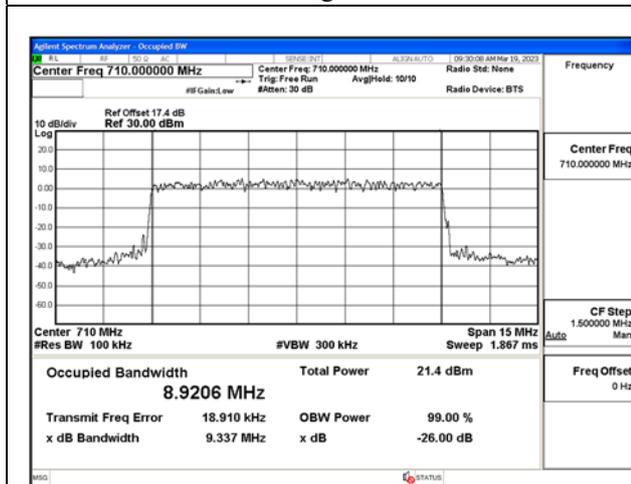


Fig.17

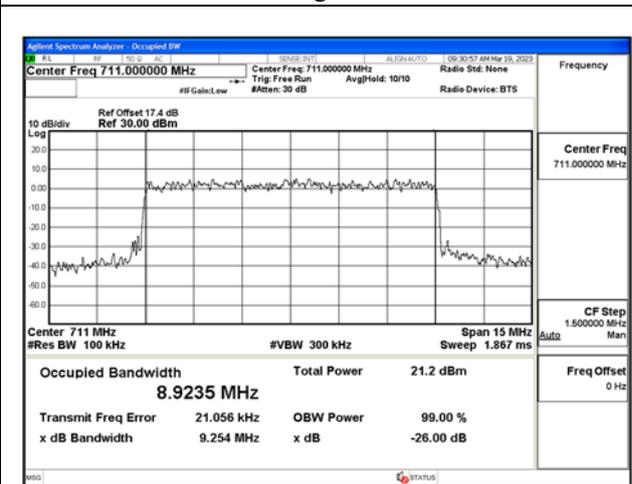


Fig.18

### 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	4.675	Fig.1
17	QPSK	710	23790	5	25	0	4.807	Fig.2
17	QPSK	713.5	23825	5	25	0	4.746	Fig.3
17	QPSK	709	23780	10	50	0	9.407	Fig.4
17	QPSK	710	23790	10	50	0	9.483	Fig.5
17	QPSK	711	23800	10	50	0	9.368	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	4.743	Fig.7
17	16QAM	710	23790	5	25	0	4.734	Fig.8
17	16QAM	713.5	23825	5	25	0	4.774	Fig.9
17	16QAM	709	23780	10	50	0	9.493	Fig.10
17	16QAM	710	23790	10	50	0	9.219	Fig.11
17	16QAM	711	23800	10	50	0	9.466	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	4.784	Fig.13
17	64QAM	710	23790	5	25	0	4.750	Fig.14
17	64QAM	713.5	23825	5	25	0	4.824	Fig.15
17	64QAM	709	23780	10	50	0	9.234	Fig.16
17	64QAM	710	23790	10	50	0	9.337	Fig.17
17	64QAM	711	23800	10	50	0	9.254	Fig.18

Test Mode: QPSK

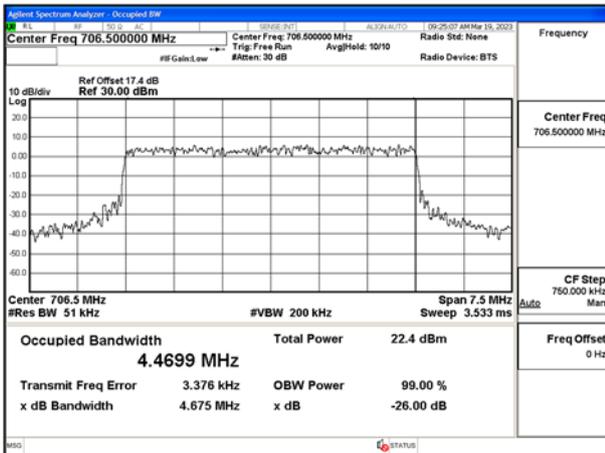


Fig.1

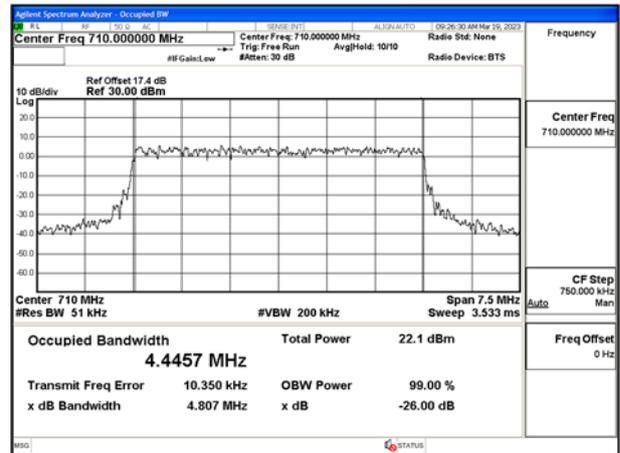


Fig.2

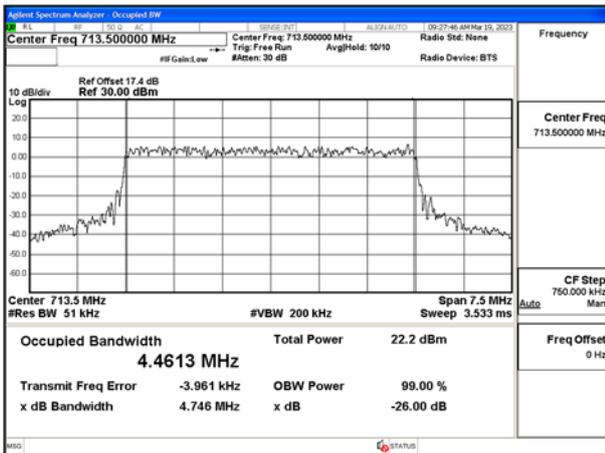


Fig.3

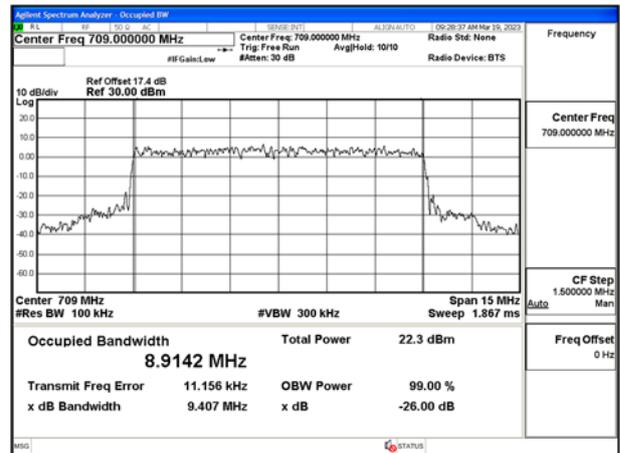


Fig.4

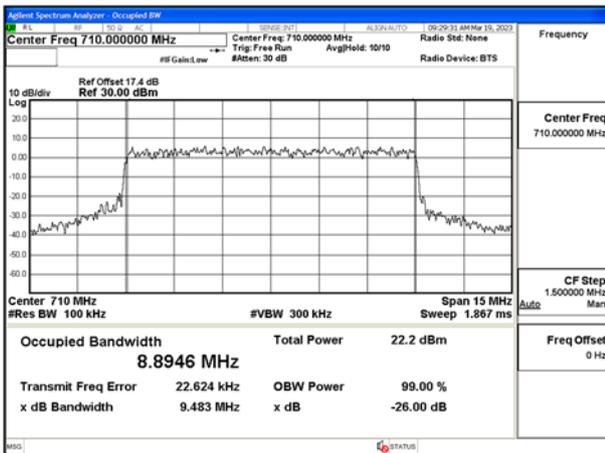


Fig.5

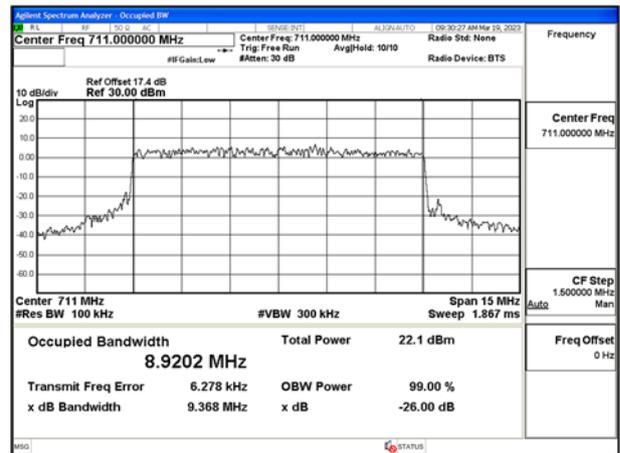


Fig.6

Test Mode: 16QAM

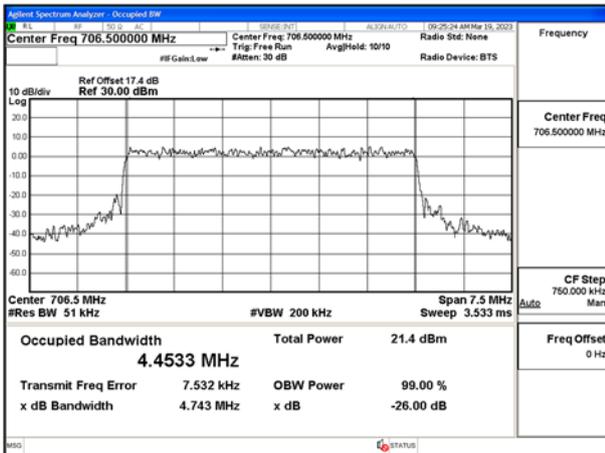


Fig.7

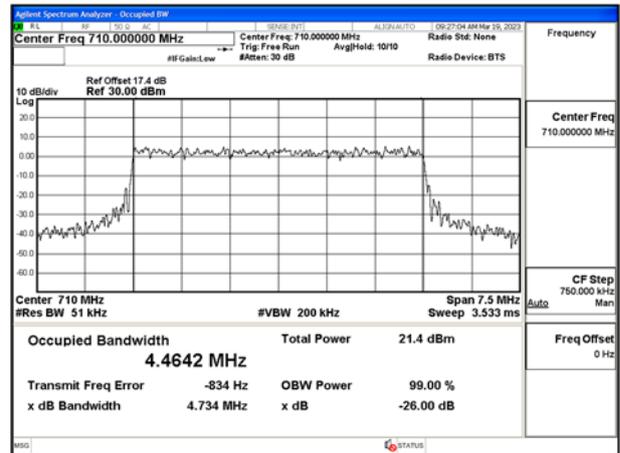


Fig.8

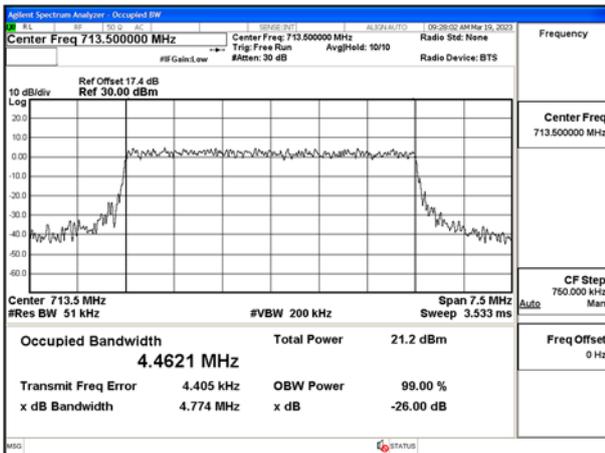


Fig.9

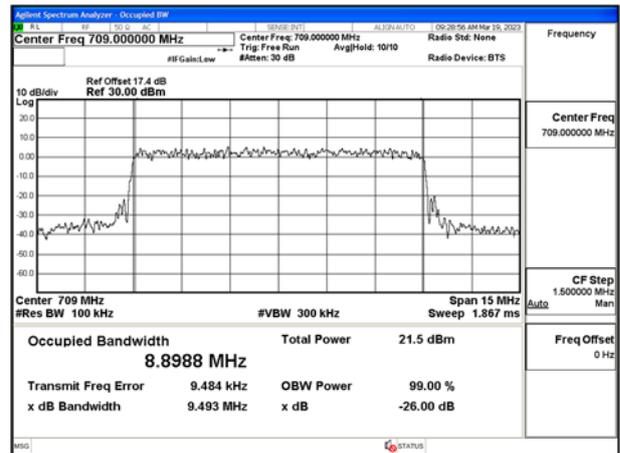


Fig.10

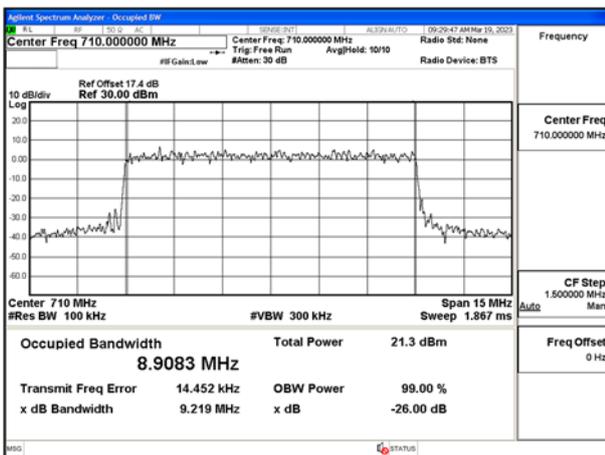


Fig.11

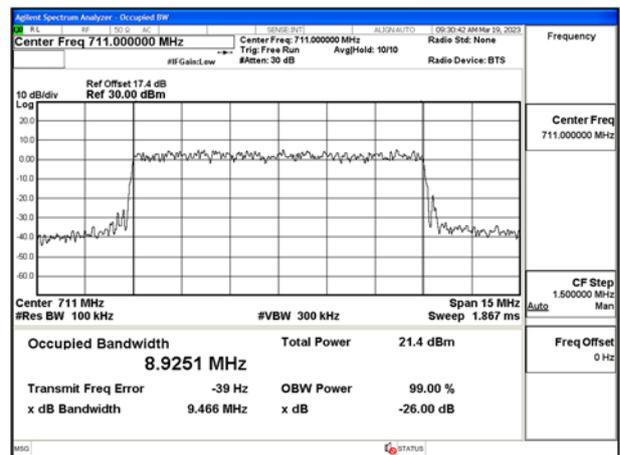


Fig.12

Test Mode: 64QAM

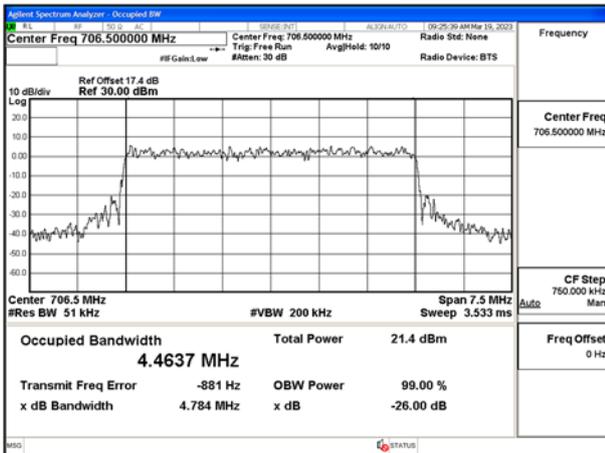


Fig.13

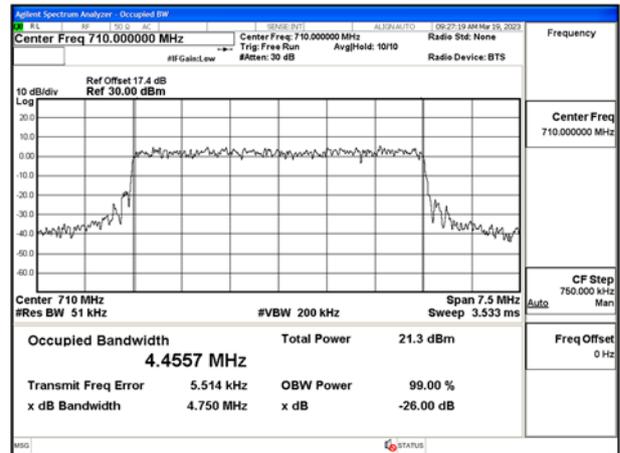


Fig.14

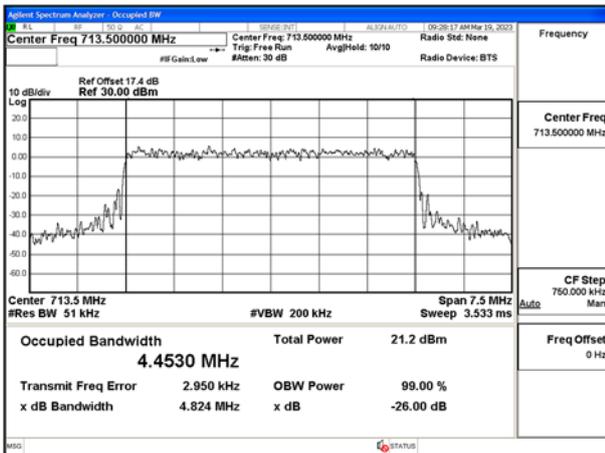


Fig.15

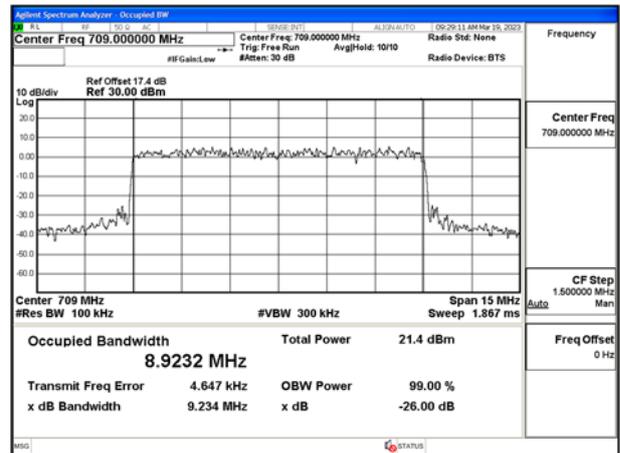


Fig.16

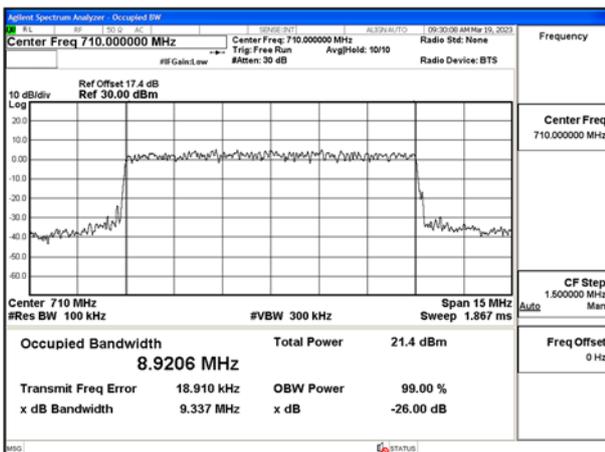


Fig.17

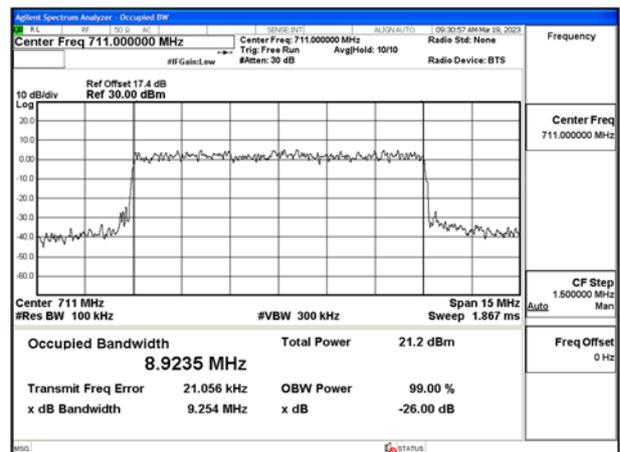


Fig.18

**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

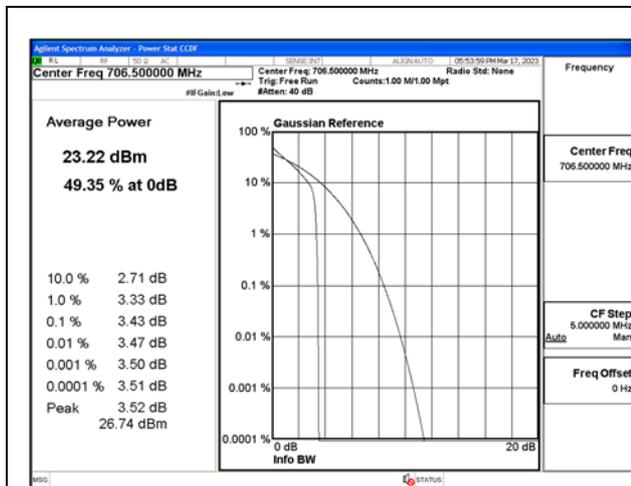


Fig.1

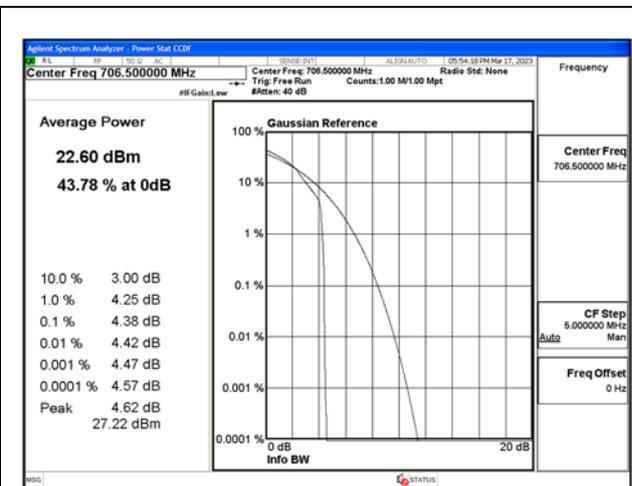


Fig.2

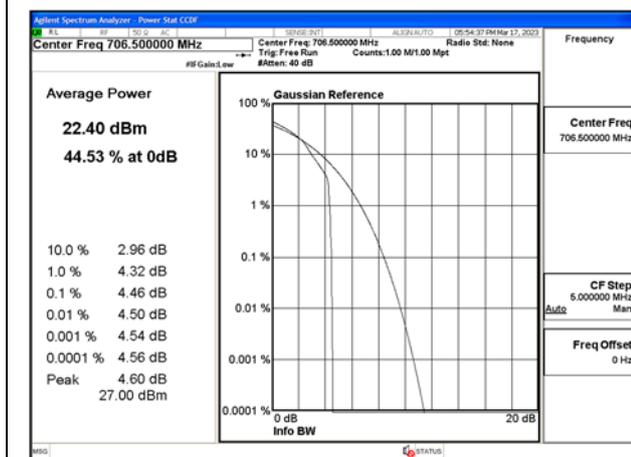


Fig.3

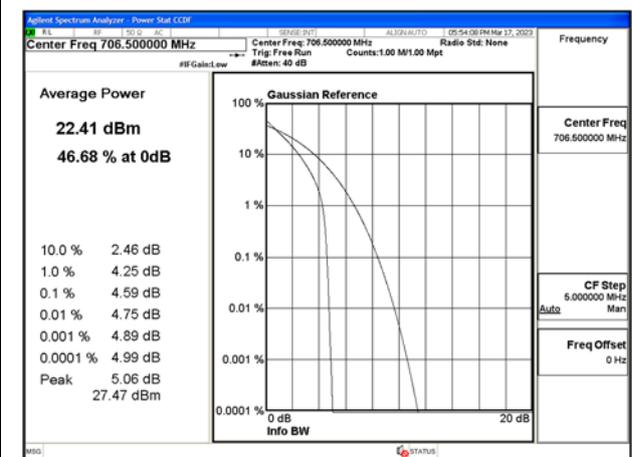


Fig.4

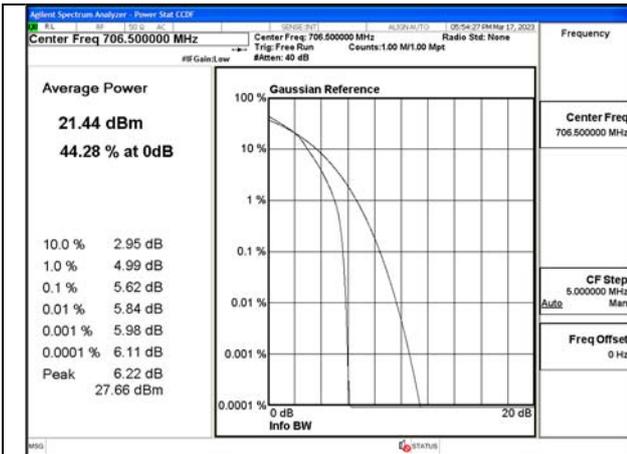


Fig.5

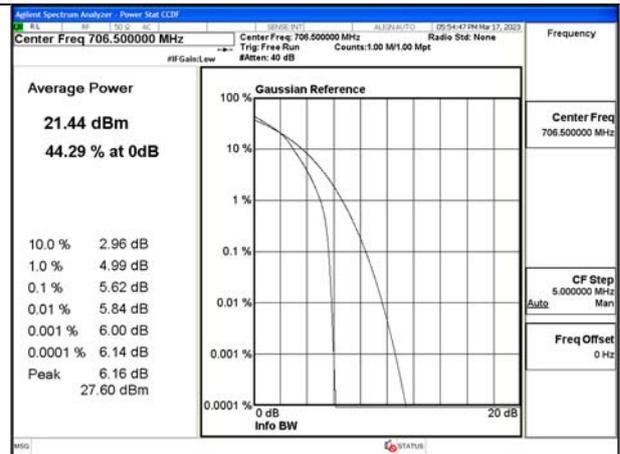


Fig.6

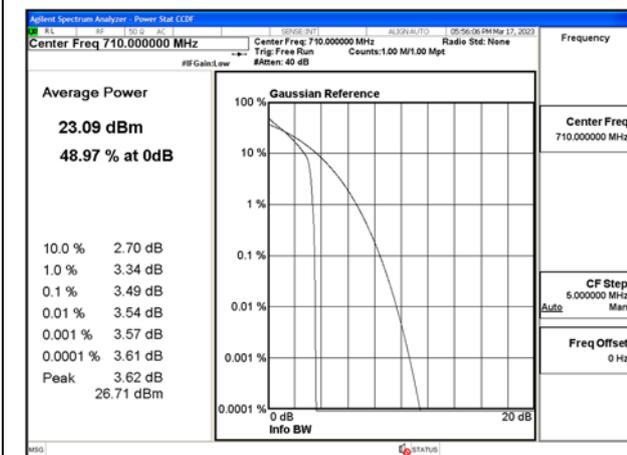


Fig.7

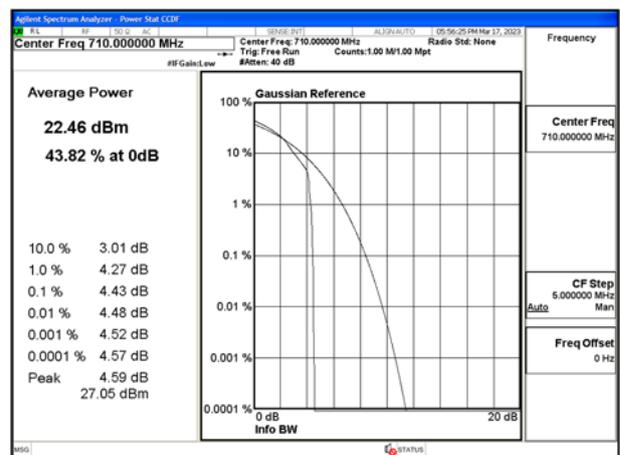


Fig.8

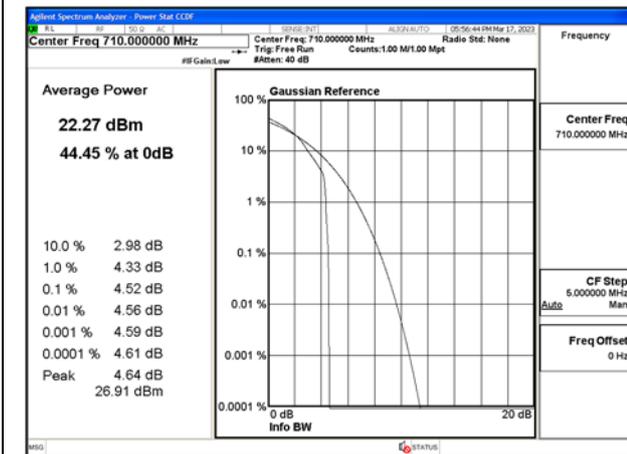


Fig.9

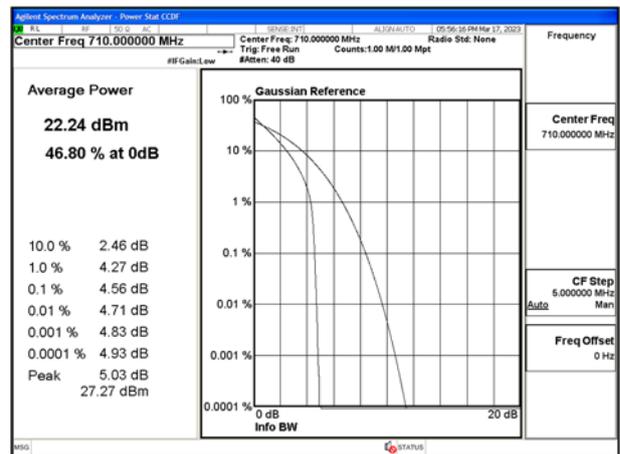


Fig.10

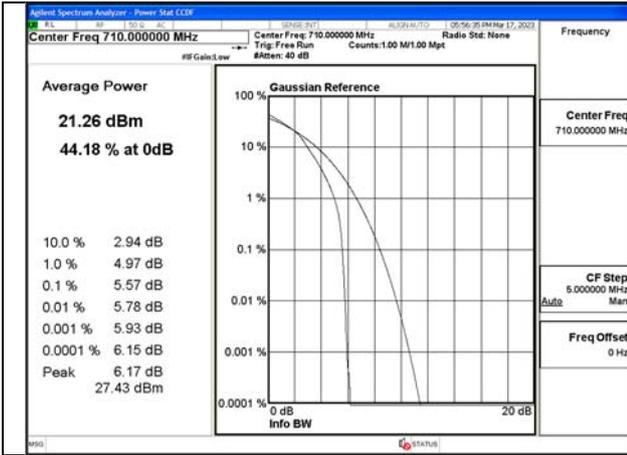


Fig.11

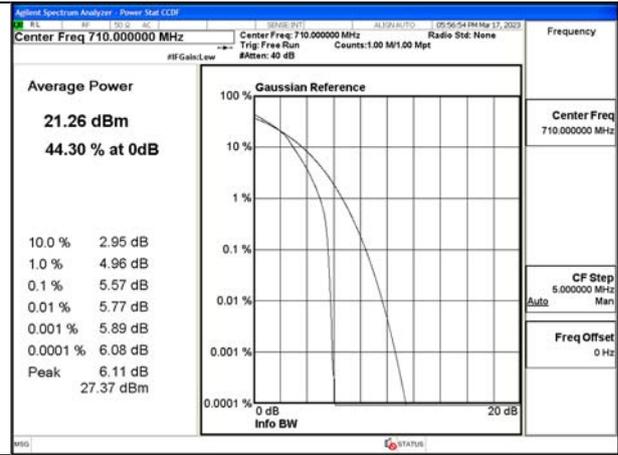


Fig.12

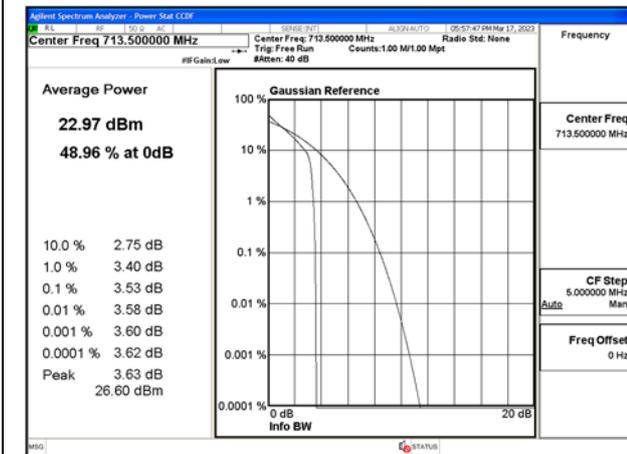


Fig.13

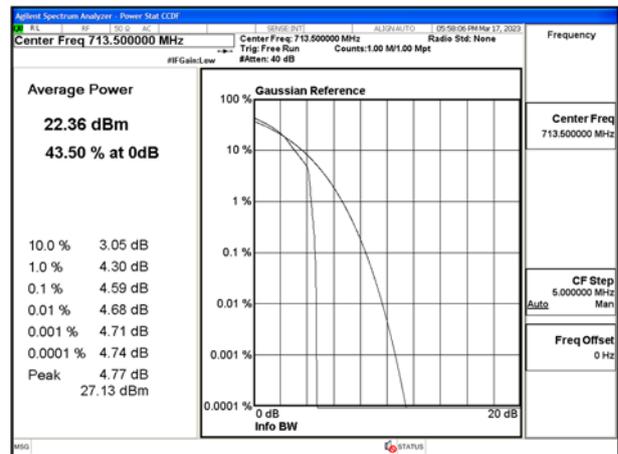


Fig.14

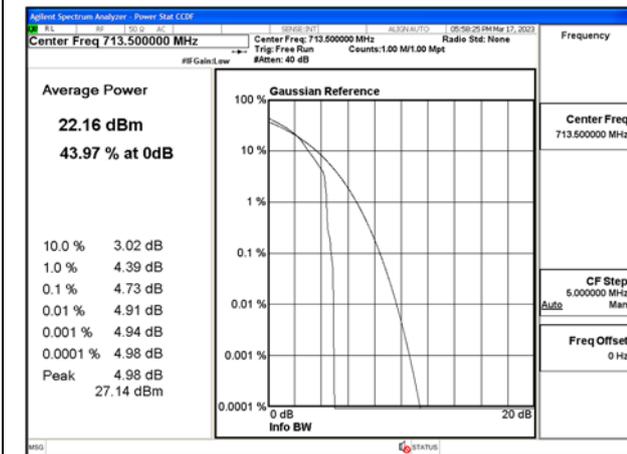


Fig.15

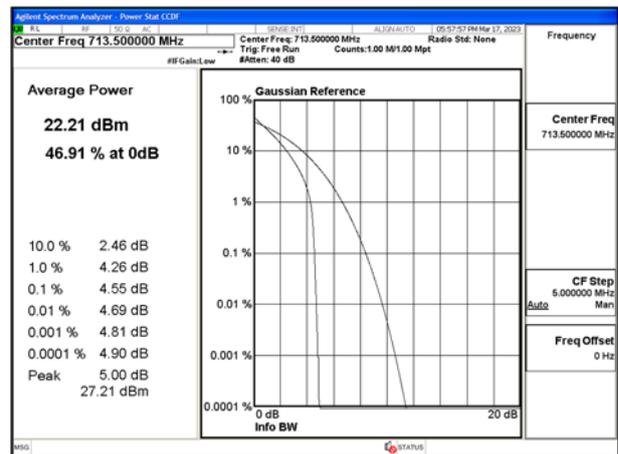


Fig.16

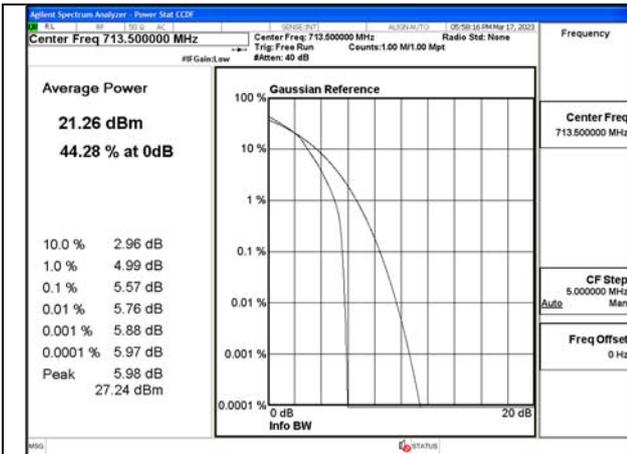


Fig.17

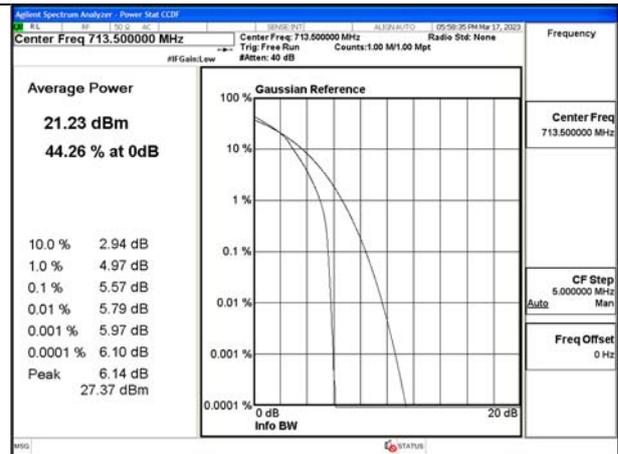


Fig.18

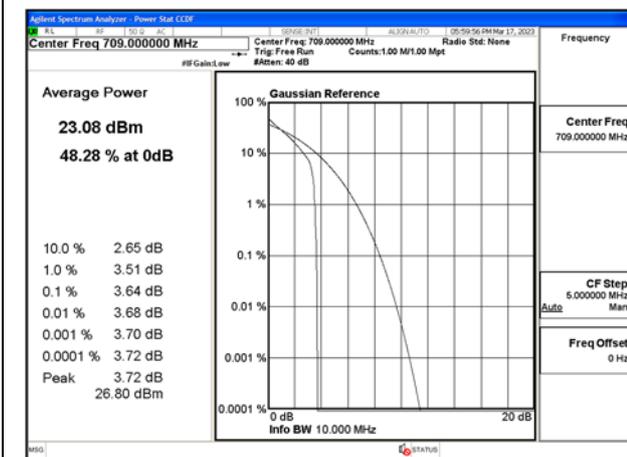


Fig.19

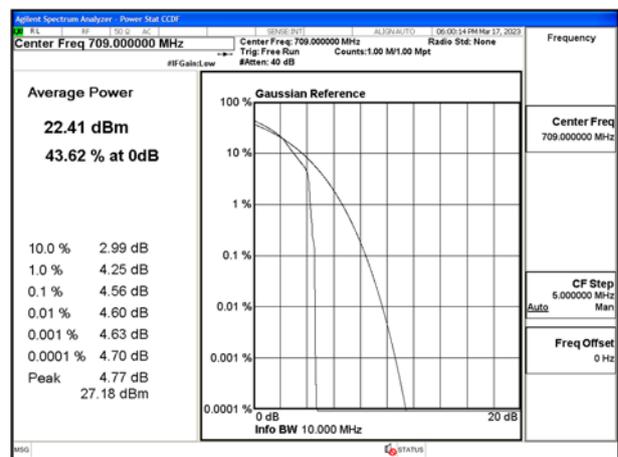


Fig.20

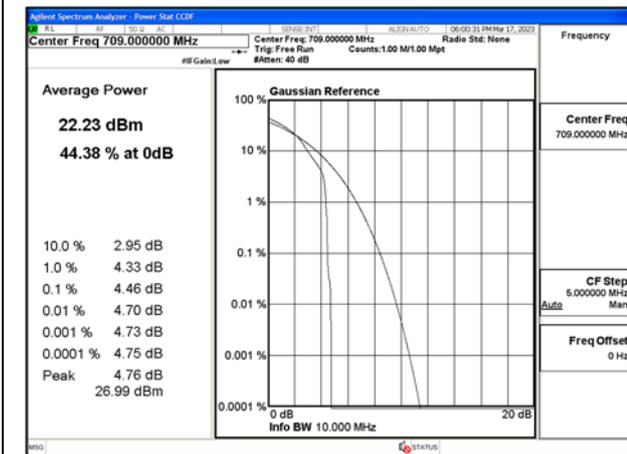


Fig.21

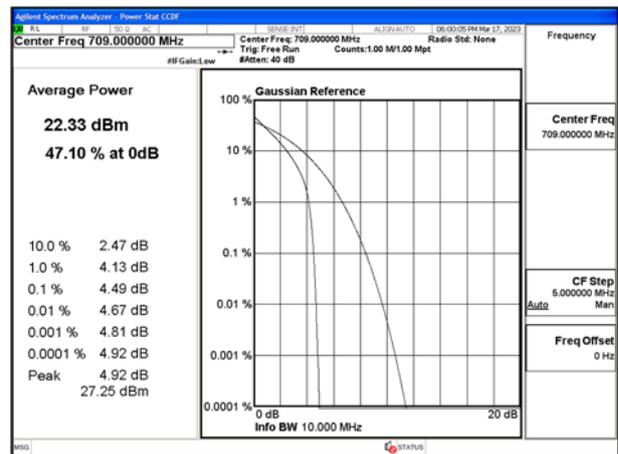


Fig.22

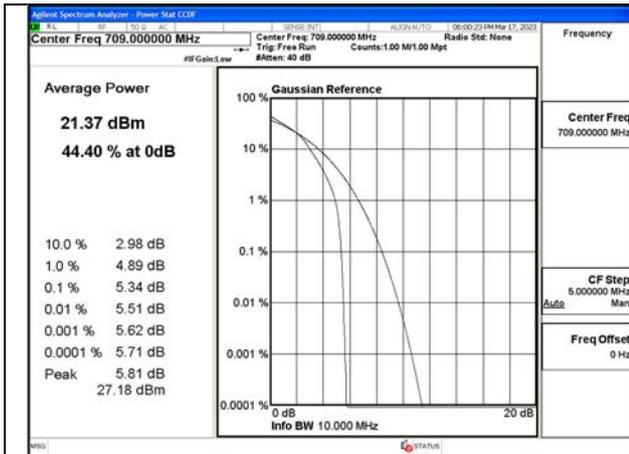


Fig.23

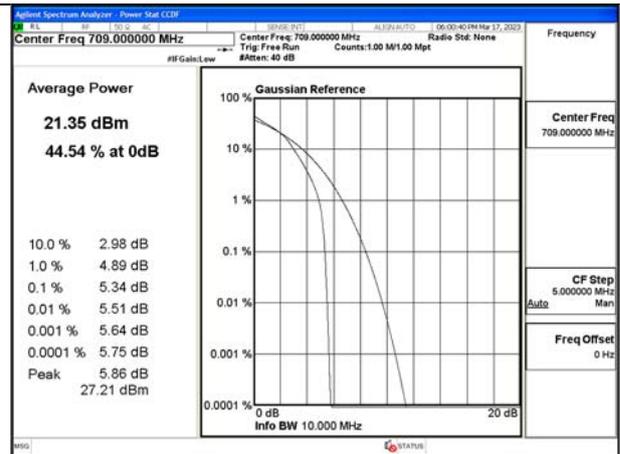


Fig.24

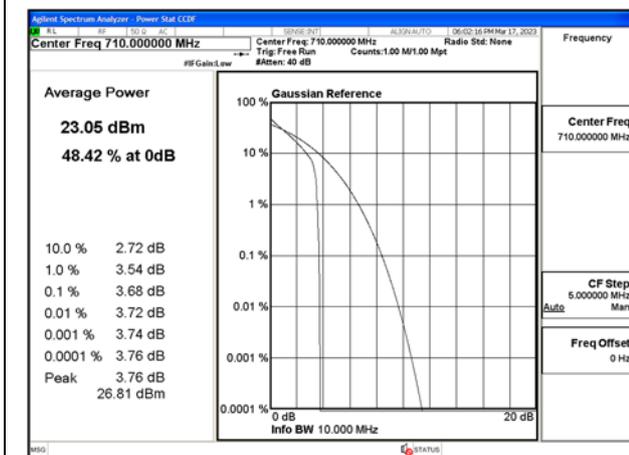


Fig.25

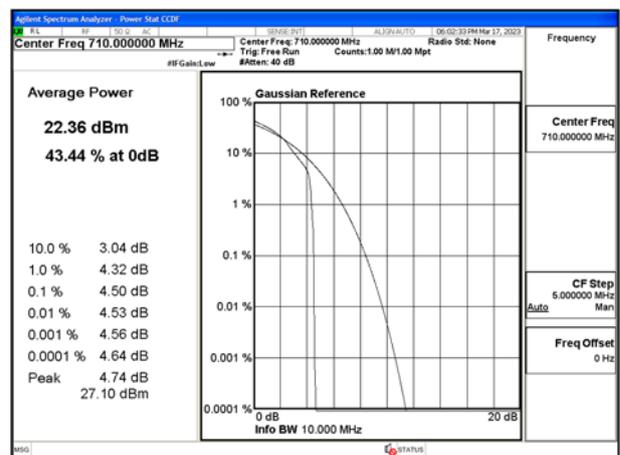


Fig.26

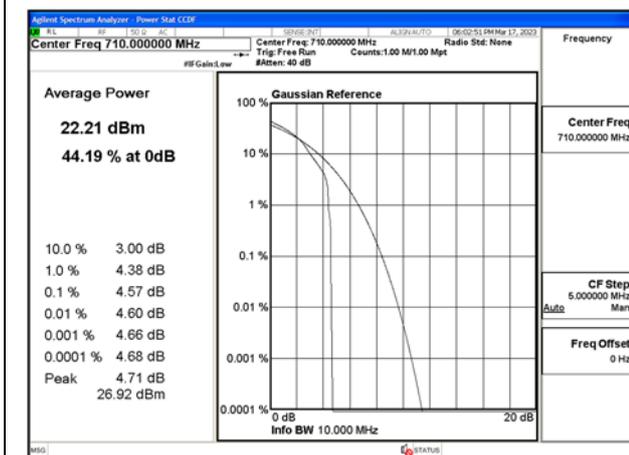


Fig.27

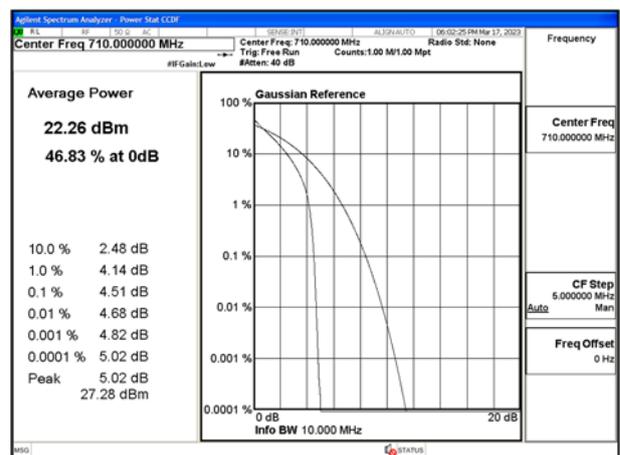


Fig.28

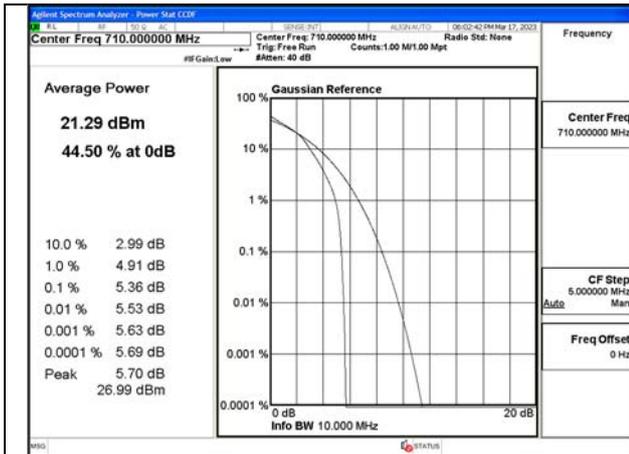


Fig.29

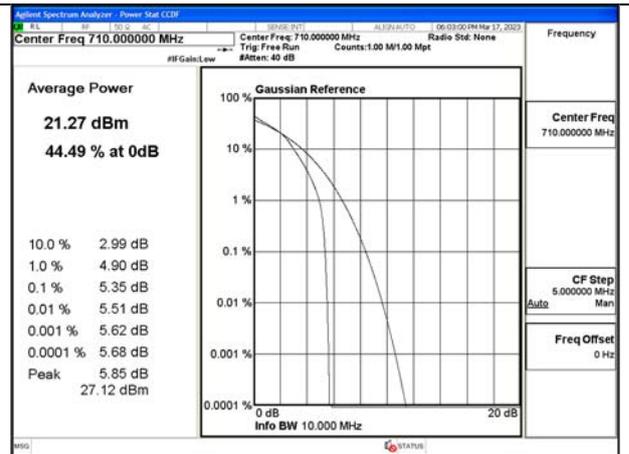


Fig.30

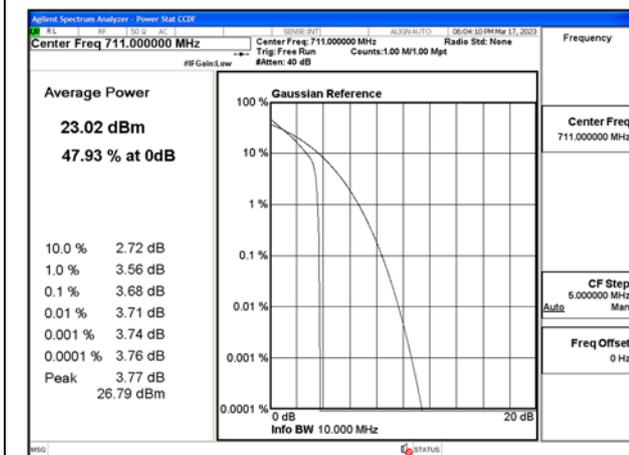


Fig.31

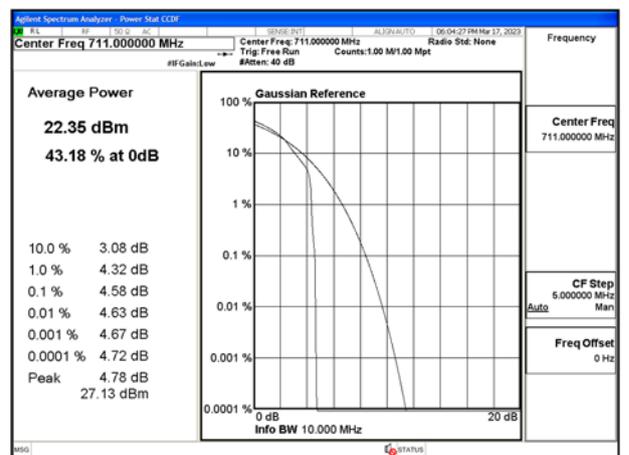


Fig.32

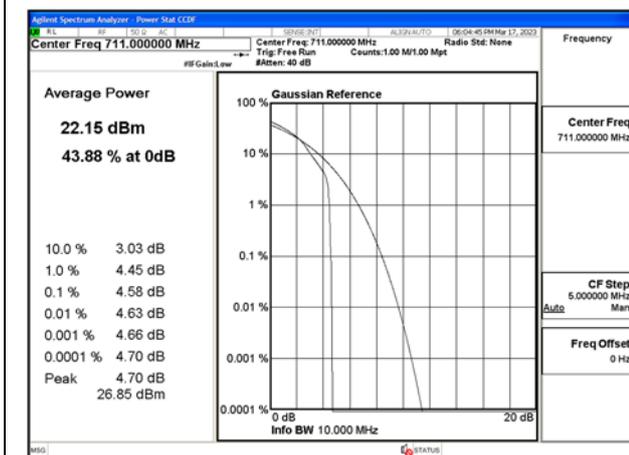


Fig.33

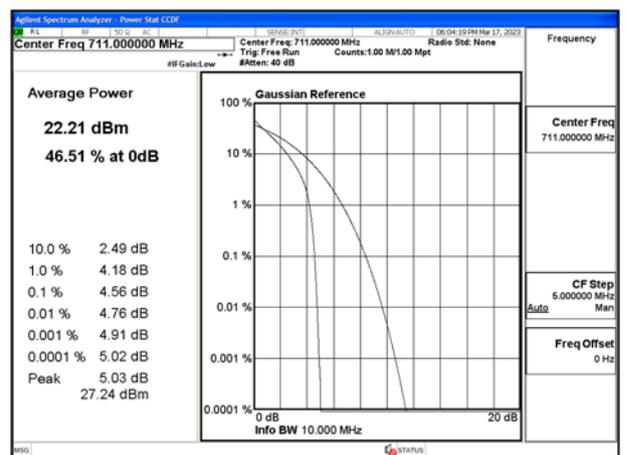


Fig.34

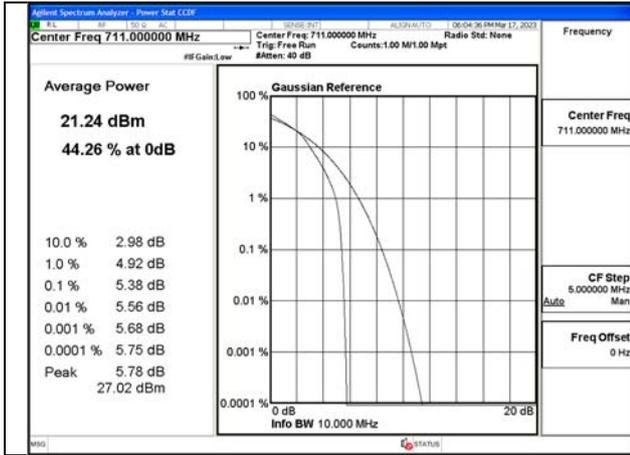


Fig.35

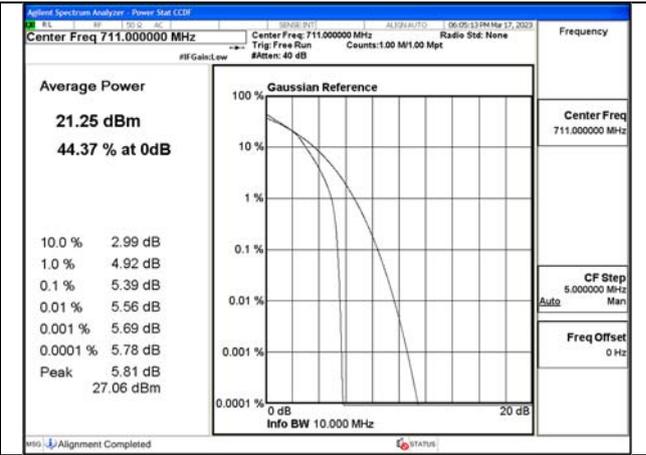


Fig.36

### 5 Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
17	709	23780	10	1	0	Fig.1
17	710	23790	10	1	0	Fig.2
17	711	23800	10	1	0	Fig.3

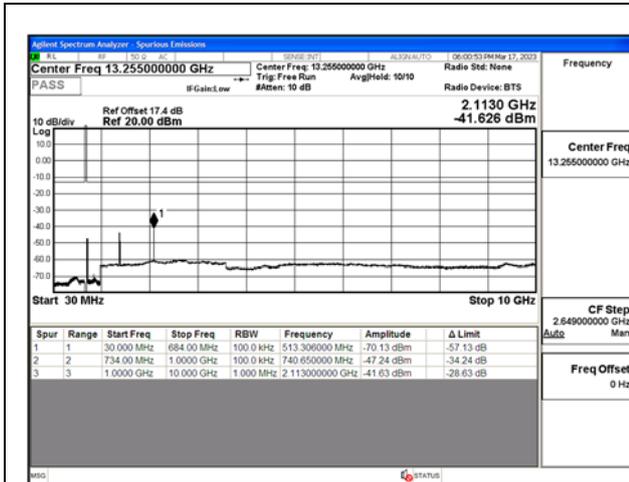


Fig.1



Fig.2

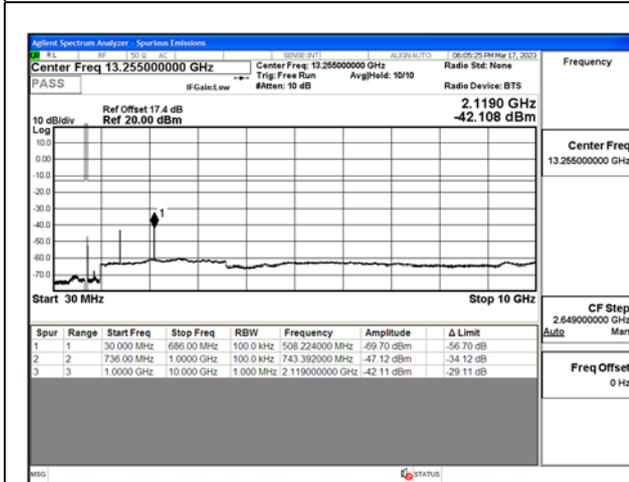
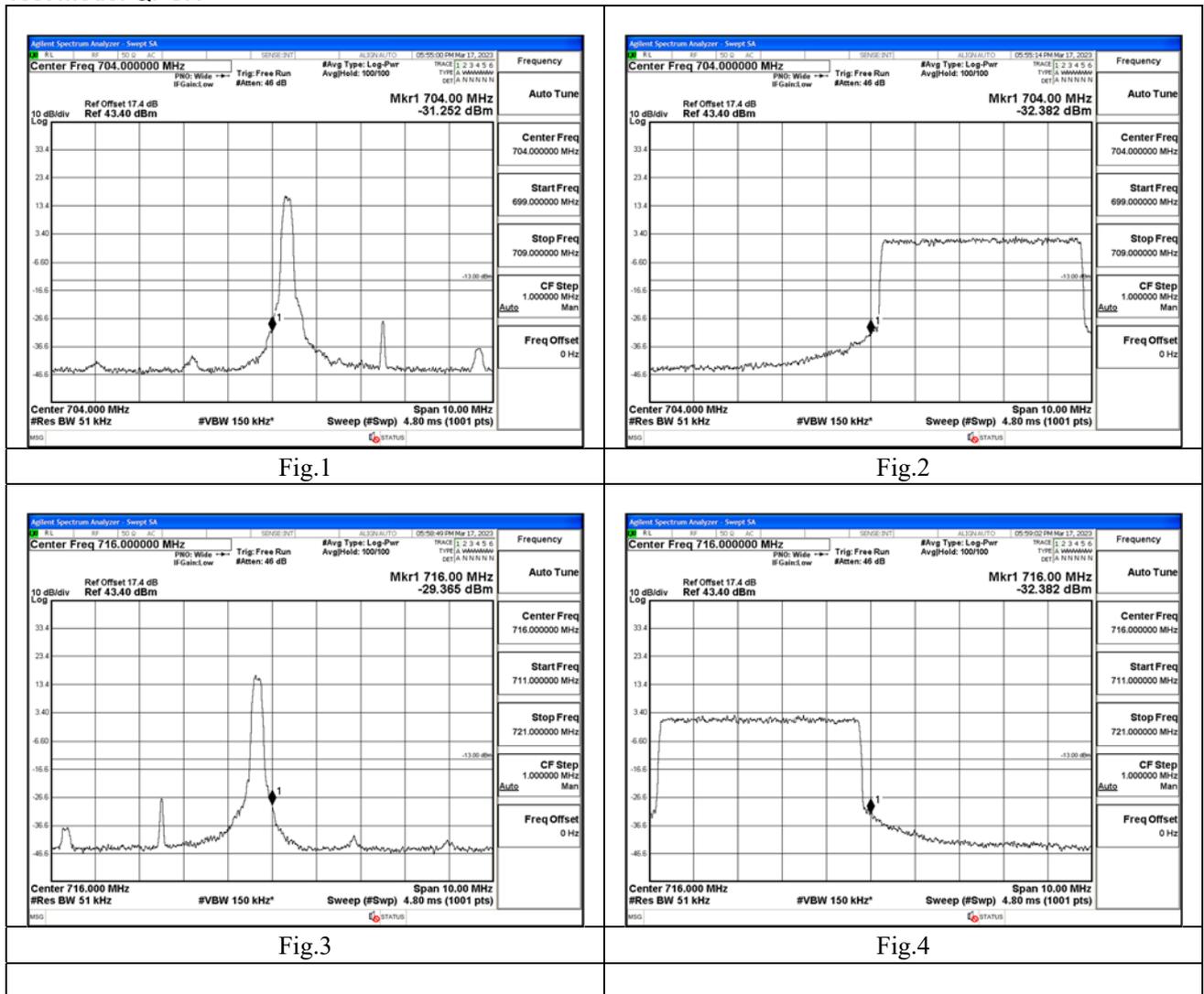


Fig.3

**6 Band Edges Compliance**

Band	Mode	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot
17	QPSK	706.5	23755	5	1	0	Fig.1
17	QPSK	706.5	23755	5	25	0	Fig.2
17	QPSK	713.5	23825	5	1	24	Fig.3
17	QPSK	713.5	23825	5	25	0	Fig.4
17	QPSK	709	23780	10	1	0	Fig.5
17	QPSK	709	23780	10	50	0	Fig.6
17	QPSK	711	23800	10	1	49	Fig.7
17	QPSK	711	23800	10	50	0	Fig.8

Test Mode: QPSK



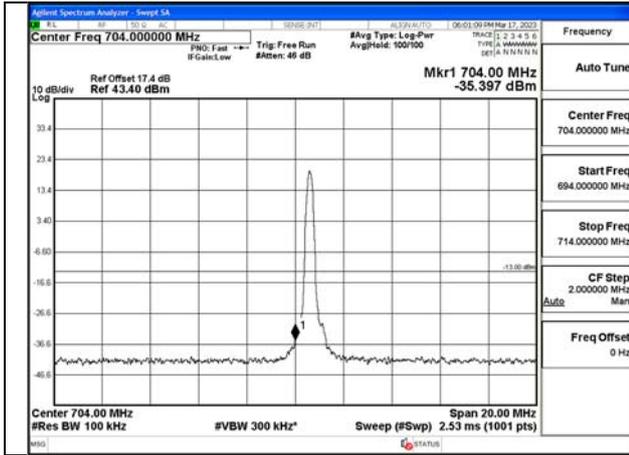


Fig.5

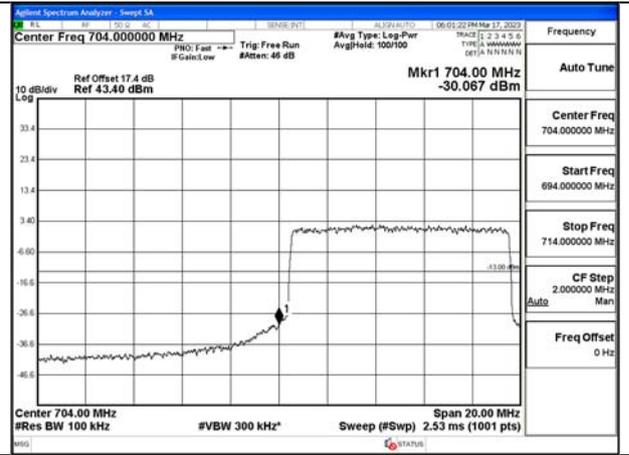


Fig.6

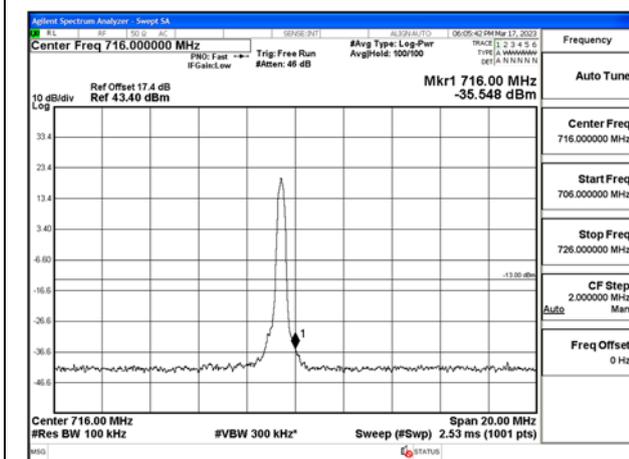


Fig.7

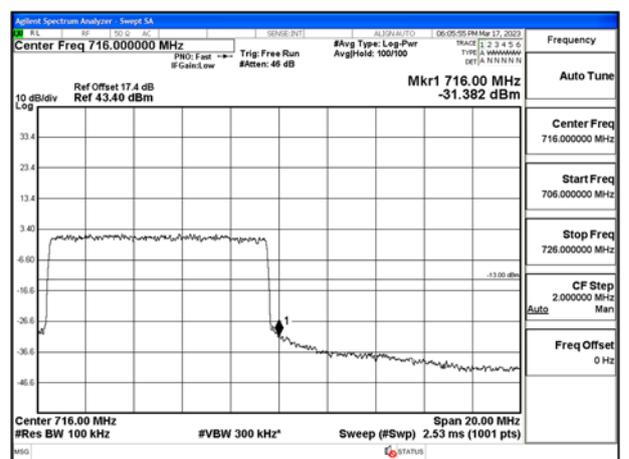


Fig.8

## 7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Low Channel QPSK	
		5M	10M
-10	NV	-0.002	-0.007
0	NV	0.006	-0.008
+10	NV	0.006	0.005
+20	NV	-0.003	-0.006
+30	NV	0.005	0.005
+40	NV	0.010	0.005
+50	NV	0.007	0.008
+55	NV	0.005	-0.007
+20	LV	0.006	0.005
+20	HV	0.005	-0.006

Temperature(°C)	Voltage	Test Result (ppm) High Channel QPSK	
		5M	10M
-10	NV	0.005	-0.008
0	NV	0.004	0.006
+10	NV	-0.001	0.005
+20	NV	-0.005	0.005
+30	NV	0.005	0.004
+40	NV	0.004	-0.006
+50	NV	0.007	-0.008
+55	NV	0.002	-0.010
+20	LV	0.004	0.005
+20	HV	-0.002	-0.007

**8 Effective Radiated Power and Effective Isotropic Radiated Power**

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	706.5	23755	5	1	0	22.99	12.34	0.017
QPSK	706.5	23755	5	1	12	23.05	12.40	0.017
QPSK	706.5	23755	5	1	24	22.94	12.29	0.017
QPSK	706.5	23755	5	12	0	22.02	11.37	0.014
QPSK	706.5	23755	5	12	7	22.27	11.62	0.015
QPSK	706.5	23755	5	12	13	22.17	11.52	0.014
QPSK	706.5	23755	5	25	0	22.12	11.47	0.014
QPSK	710	23790	5	1	0	23.13	12.48	0.018
QPSK	710	23790	5	1	12	23.11	12.46	0.018
QPSK	710	23790	5	1	24	22.86	12.21	0.017
QPSK	710	23790	5	12	0	22.18	11.53	0.014
QPSK	710	23790	5	12	7	22.19	11.54	0.014
QPSK	710	23790	5	12	13	22.20	11.55	0.014
QPSK	710	23790	5	25	0	22.14	11.49	0.014
QPSK	713.5	23825	5	1	0	23.10	12.45	0.018
QPSK	713.5	23825	5	1	12	22.99	12.34	0.017
QPSK	713.5	23825	5	1	24	22.94	12.29	0.017
QPSK	713.5	23825	5	12	0	22.15	11.50	0.014
QPSK	713.5	23825	5	12	7	22.02	11.37	0.014
QPSK	713.5	23825	5	12	13	22.14	11.49	0.014
QPSK	713.5	23825	5	25	0	21.96	11.31	0.014

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	706.5	23755	5	1	0	22.35	11.70	0.015
16QAM	706.5	23755	5	1	12	22.31	11.66	0.015
16QAM	706.5	23755	5	1	24	22.35	11.70	0.015
16QAM	706.5	23755	5	12	0	21.17	10.52	0.011
16QAM	706.5	23755	5	12	7	21.27	10.62	0.012
16QAM	706.5	23755	5	12	13	21.07	10.42	0.011
16QAM	706.5	23755	5	25	0	21.20	10.55	0.011
16QAM	710	23790	5	1	0	22.03	11.38	0.014
16QAM	710	23790	5	1	12	22.69	12.04	0.016
16QAM	710	23790	5	1	24	22.34	11.69	0.015
16QAM	710	23790	5	12	0	21.06	10.41	0.011
16QAM	710	23790	5	12	7	21.08	10.43	0.011
16QAM	710	23790	5	12	13	21.19	10.54	0.011
16QAM	710	23790	5	25	0	21.10	10.45	0.011
16QAM	713.5	23825	5	1	0	22.28	11.63	0.015
16QAM	713.5	23825	5	1	12	22.41	11.76	0.015
16QAM	713.5	23825	5	1	24	22.02	11.37	0.014
16QAM	713.5	23825	5	12	0	21.09	10.44	0.011
16QAM	713.5	23825	5	12	7	21.15	10.50	0.011
16QAM	713.5	23825	5	12	13	21.07	10.42	0.011
16QAM	713.5	23825	5	25	0	21.06	10.41	0.011
64QAM	706.5	23755	5	1	0	22.03	11.38	0.014
64QAM	706.5	23755	5	1	12	22.13	11.48	0.014
64QAM	706.5	23755	5	1	24	22.36	11.71	0.015
64QAM	706.5	23755	5	12	0	21.21	10.56	0.011
64QAM	706.5	23755	5	12	7	21.23	10.58	0.011
64QAM	706.5	23755	5	12	13	21.23	10.58	0.011
64QAM	706.5	23755	5	25	0	21.22	10.57	0.011
64QAM	710	23790	5	1	0	22.13	11.48	0.014
64QAM	710	23790	5	1	12	22.08	11.43	0.014
64QAM	710	23790	5	1	24	22.32	11.67	0.015
64QAM	710	23790	5	12	0	21.06	10.41	0.011
64QAM	710	23790	5	12	7	21.14	10.49	0.011
64QAM	710	23790	5	12	13	21.06	10.41	0.011
64QAM	710	23790	5	25	0	21.14	10.49	0.011
64QAM	713.5	23825	5	1	0	22.07	11.42	0.014
64QAM	713.5	23825	5	1	12	21.95	11.30	0.013
64QAM	713.5	23825	5	1	24	22.27	11.62	0.015
64QAM	713.5	23825	5	12	0	21.03	10.38	0.011
64QAM	713.5	23825	5	12	7	21.19	10.54	0.011
64QAM	713.5	23825	5	12	13	20.96	10.31	0.011
64QAM	713.5	23825	5	25	0	21.14	10.49	0.011

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	709	23780	10	1	0	23.25	12.60	0.018
QPSK	709	23780	10	1	25	22.97	12.32	0.017
QPSK	709	23780	10	1	49	22.97	12.32	0.017
QPSK	709	23780	10	25	0	22.11	11.46	0.014
QPSK	709	23780	10	25	12	22.14	11.49	0.014
QPSK	709	23780	10	25	25	22.11	11.46	0.014
QPSK	709	23780	10	50	0	22.29	11.64	0.015
QPSK	710	23790	10	1	0	23.10	12.45	0.018
QPSK	710	23790	10	1	25	23.13	12.48	0.018
QPSK	710	23790	10	1	49	22.96	12.31	0.017
QPSK	710	23790	10	25	0	22.14	11.49	0.014
QPSK	710	23790	10	25	12	22.16	11.51	0.014
QPSK	710	23790	10	25	25	22.15	11.50	0.014
QPSK	710	23790	10	50	0	22.05	11.40	0.014
QPSK	711	23800	10	1	0	23.05	12.40	0.017
QPSK	711	23800	10	1	25	23.05	12.40	0.017
QPSK	711	23800	10	1	49	22.82	12.17	0.016
QPSK	711	23800	10	25	0	22.16	11.51	0.014
QPSK	711	23800	10	25	12	22.14	11.49	0.014
QPSK	711	23800	10	25	25	22.07	11.42	0.014
QPSK	711	23800	10	50	0	22.11	11.46	0.014

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	709	23780	10	1	0	22.28	11.63	0.015
16QAM	709	23780	10	1	25	22.27	11.62	0.015
16QAM	709	23780	10	1	49	22.66	12.01	0.016
16QAM	709	23780	10	25	0	21.10	10.45	0.011
16QAM	709	23780	10	25	12	21.19	10.54	0.011
16QAM	709	23780	10	25	25	21.17	10.52	0.011
16QAM	709	23780	10	50	0	21.21	10.56	0.011
16QAM	710	23790	10	1	0	22.62	11.97	0.016
16QAM	710	23790	10	1	25	22.78	12.13	0.016
16QAM	710	23790	10	1	49	21.96	11.31	0.014
16QAM	710	23790	10	25	0	21.12	10.47	0.011
16QAM	710	23790	10	25	12	21.13	10.48	0.011
16QAM	710	23790	10	25	25	21.17	10.52	0.011
16QAM	710	23790	10	50	0	21.11	10.46	0.011
16QAM	711	23800	10	1	0	22.66	12.01	0.016
16QAM	711	23800	10	1	25	22.47	11.82	0.015
16QAM	711	23800	10	1	49	22.34	11.69	0.015
16QAM	711	23800	10	25	0	21.08	10.43	0.011
16QAM	711	23800	10	25	12	21.22	10.57	0.011
16QAM	711	23800	10	25	25	21.13	10.48	0.011
16QAM	711	23800	10	50	0	20.99	10.34	0.011
64QAM	709	23780	10	1	0	22.51	11.86	0.015
64QAM	709	23780	10	1	25	22.20	11.55	0.014
64QAM	709	23780	10	1	49	22.24	11.59	0.014
64QAM	709	23780	10	25	0	21.14	10.49	0.011
64QAM	709	23780	10	25	12	21.32	10.67	0.012
64QAM	709	23780	10	25	25	21.23	10.58	0.011
64QAM	709	23780	10	50	0	21.14	10.49	0.011
64QAM	710	23790	10	1	0	22.76	12.11	0.016
64QAM	710	23790	10	1	25	22.24	11.59	0.014
64QAM	710	23790	10	1	49	22.00	11.35	0.014
64QAM	710	23790	10	25	0	21.15	10.50	0.011
64QAM	710	23790	10	25	12	21.03	10.38	0.011
64QAM	710	23790	10	25	25	21.23	10.58	0.011
64QAM	710	23790	10	50	0	21.15	10.50	0.011
64QAM	711	23800	10	1	0	22.30	11.65	0.015
64QAM	711	23800	10	1	25	22.35	11.70	0.015
64QAM	711	23800	10	1	49	21.97	11.32	0.014
64QAM	711	23800	10	25	0	21.14	10.49	0.011
64QAM	711	23800	10	25	12	21.11	10.46	0.011
64QAM	711	23800	10	25	25	21.13	10.48	0.011
64QAM	711	23800	10	50	0	21.12	10.47	0.011