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	23.47
QPSK	706.5	23755	5	1	12	23.91
QPSK	706.5	23755	5	1	24	23.30
QPSK	706.5	23755	5	12	0	22.63
QPSK	706.5	23755	5	12	7	22.58
QPSK	706.5	23755	5	12	13	22.52
QPSK	706.5	23755	5	25	0	22.77
QPSK	710	23790	5	1	0	23.73
QPSK	710	23790	5	1	12	23.54
QPSK	710	23790	5	1	24	23.49
QPSK	710	23790	5	12	0	22.53
QPSK	710	23790	5	12	7	22.69
QPSK	710	23790	5	12	13	22.55
QPSK	710	23790	5	25	0	22.61
QPSK	713.5	23825	5	1	0	23.71
QPSK	713.5	23825	5	1	12	24.00
QPSK	713.5	23825	5	1	24	23.47
QPSK	713.5	23825	5	12	0	22.70
QPSK	713.5	23825	5	12	7	22.69
QPSK	713.5	23825	5	12	13	22.58
QPSK	713.5	23825	5	25	0	22.54

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	706.5	23755	5	1	0	23.16
16QAM	706.5	23755	5	1	12	22.58
16QAM	706.5	23755	5	1	24	22.38
16QAM	706.5	23755	5	12	0	21.68
16QAM	706.5	23755	5	12	7	21.63
16QAM	706.5	23755	5	12	13	21.58
16QAM	706.5	23755	5	25	0	21.78
16QAM	710	23790	5	1	0	22.87
16QAM	710	23790	5	1	12	22.25
16QAM	710	23790	5	1	24	22.12
16QAM	710	23790	5	12	0	21.63
16QAM	710	23790	5	12	7	21.62
16QAM	710	23790	5	12	13	21.70
16QAM	710	23790	5	25	0	21.63
16QAM	713.5	23825	5	1	0	23.12
16QAM	713.5	23825	5	1	12	22.64
16QAM	713.5	23825	5	1	24	22.99
16QAM	713.5	23825	5	12	0	21.70
16QAM	713.5	23825	5	12	7	21.66
16QAM	713.5	23825	5	12	13	21.60
16QAM	713.5	23825	5	25	0	21.69
64QAM	706.5	23755	5	1	0	21.55
64QAM	706.5	23755	5	1	12	21.78
64QAM	706.5	23755	5	1	24	21.64
64QAM	706.5	23755	5	12	0	20.59
64QAM	706.5	23755	5	12	7	20.63
64QAM	706.5	23755	5	12	13	20.52
64QAM	706.5	23755	5	25	0	20.53
64QAM	710	23790	5	1	0	21.62
64QAM	710	23790	5	1	12	21.74
64QAM	710	23790	5	1	24	21.39
64QAM	710	23790	5	12	0	20.63
64QAM	710	23790	5	12	7	20.59
64QAM	710	23790	5	12	13	20.66
64QAM	710	23790	5	25	0	20.68
64QAM	713.5	23825	5	1	0	21.74
64QAM	713.5	23825	5	1	12	21.48
64QAM	713.5	23825	5	1	24	21.75
64QAM	713.5	23825	5	12	0	20.78
64QAM	713.5	23825	5	12	7	20.85
64QAM	713.5	23825	5	12	13	20.62
64QAM	713.5	23825	5	25	0	20.64

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	709	23780	10	1	0	23.53
QPSK	709	23780	10	1	25	23.51
QPSK	709	23780	10	1	49	23.36
QPSK	709	23780	10	25	0	22.61
QPSK	709	23780	10	25	12	22.77
QPSK	709	23780	10	25	25	22.66
QPSK	709	23780	10	50	0	22.76
QPSK	710	23790	10	1	0	23.72
QPSK	710	23790	10	1	25	23.51
QPSK	710	23790	10	1	49	23.49
QPSK	710	23790	10	25	0	22.61
QPSK	710	23790	10	25	12	22.69
QPSK	710	23790	10	25	25	22.66
QPSK	710	23790	10	50	0	22.60
QPSK	711	23800	10	1	0	23.65
QPSK	711	23800	10	1	25	23.33
QPSK	711	23800	10	1	49	23.52
QPSK	711	23800	10	25	0	22.72
QPSK	711	23800	10	25	12	22.69
QPSK	711	23800	10	25	25	22.71
QPSK	711	23800	10	50	0	22.63

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	709	23780	10	1	0	23.02
16QAM	709	23780	10	1	25	22.85
16QAM	709	23780	10	1	49	23.13
16QAM	709	23780	10	25	0	21.81
16QAM	709	23780	10	25	12	21.73
16QAM	709	23780	10	25	25	21.60
16QAM	709	23780	10	50	0	21.85
16QAM	710	23790	10	1	0	23.32
16QAM	710	23790	10	1	25	22.62
16QAM	710	23790	10	1	49	22.45
16QAM	710	23790	10	25	0	21.61
16QAM	710	23790	10	25	12	21.61
16QAM	710	23790	10	25	25	21.72
16QAM	710	23790	10	50	0	21.64
16QAM	711	23800	10	1	0	23.16
16QAM	711	23800	10	1	25	22.57
16QAM	711	23800	10	1	49	22.84
16QAM	711	23800	10	25	0	21.63
16QAM	711	23800	10	25	12	21.60
16QAM	711	23800	10	25	25	21.69
16QAM	711	23800	10	50	0	21.62
64QAM	709	23780	10	1	0	21.86
64QAM	709	23780	10	1	25	21.76
64QAM	709	23780	10	1	49	21.96
64QAM	709	23780	10	25	0	20.85
64QAM	709	23780	10	25	12	20.77
64QAM	709	23780	10	25	25	20.69
64QAM	709	23780	10	50	0	20.75
64QAM	710	23790	10	1	0	21.77
64QAM	710	23790	10	1	25	22.14
64QAM	710	23790	10	1	49	21.64
64QAM	710	23790	10	25	0	20.80
64QAM	710	23790	10	25	12	20.69
64QAM	710	23790	10	25	25	20.73
64QAM	710	23790	10	50	0	20.72
64QAM	711	23800	10	1	0	21.90
64QAM	711	23800	10	1	25	21.96
64QAM	711	23800	10	1	49	21.65
64QAM	711	23800	10	25	0	20.73
64QAM	711	23800	10	25	12	20.61
64QAM	711	23800	10	25	25	20.76
64QAM	711	23800	10	50	0	20.70

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	4.47	Fig.1
17	QPSK	710	23790	5	25	0	4.45	Fig.2
17	QPSK	713.5	23825	5	25	0	4.46	Fig.3
17	QPSK	709	23780	10	50	0	8.87	Fig.4
17	QPSK	710	23790	10	50	0	8.86	Fig.5
17	QPSK	711	23800	10	50	0	8.88	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	4.47	Fig.7
17	16QAM	710	23790	5	25	0	4.46	Fig.8
17	16QAM	713.5	23825	5	25	0	4.46	Fig.9
17	16QAM	709	23780	10	50	0	8.87	Fig.10
17	16QAM	710	23790	10	50	0	8.85	Fig.11
17	16QAM	711	23800	10	50	0	8.88	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	4.46	Fig.13
17	64QAM	710	23790	5	25	0	4.46	Fig.14
17	64QAM	713.5	23825	5	25	0	4.45	Fig.15
17	64QAM	709	23780	10	50	0	8.88	Fig.16
17	64QAM	710	23790	10	50	0	8.90	Fig.17
17	64QAM	711	23800	10	50	0	8.87	Fig.18

Test Mode: QPSK

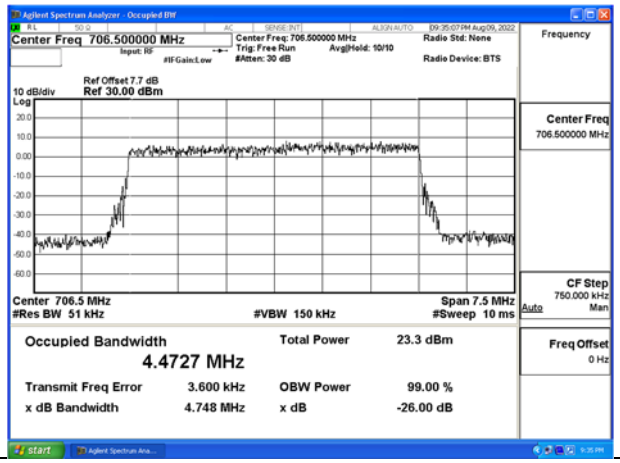


Fig.1

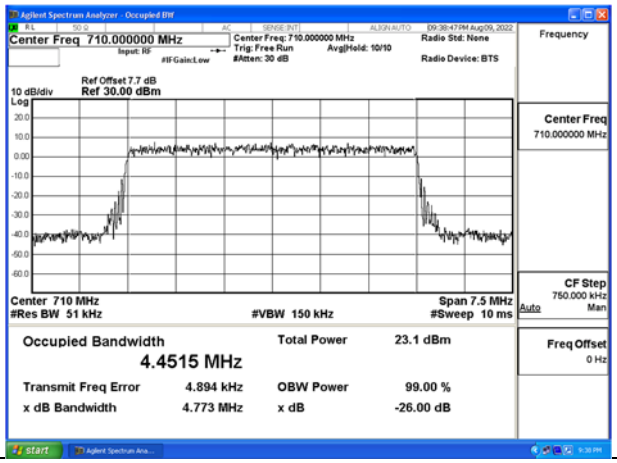


Fig.2

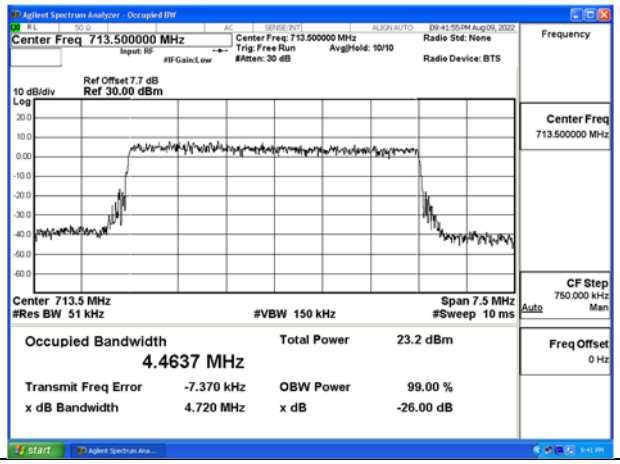


Fig.3

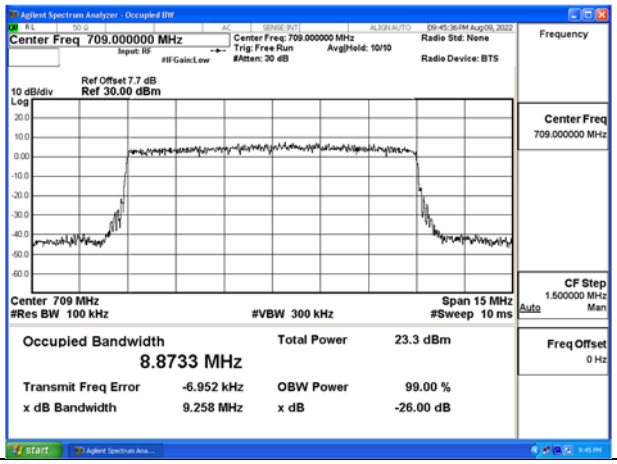


Fig.4

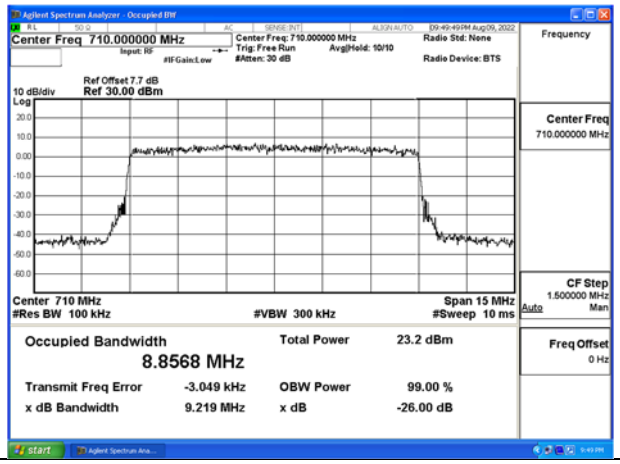


Fig.5

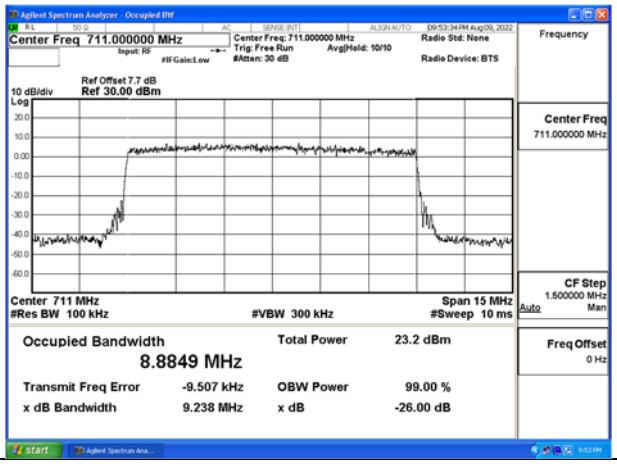


Fig.6

Test Mode: 16QAM

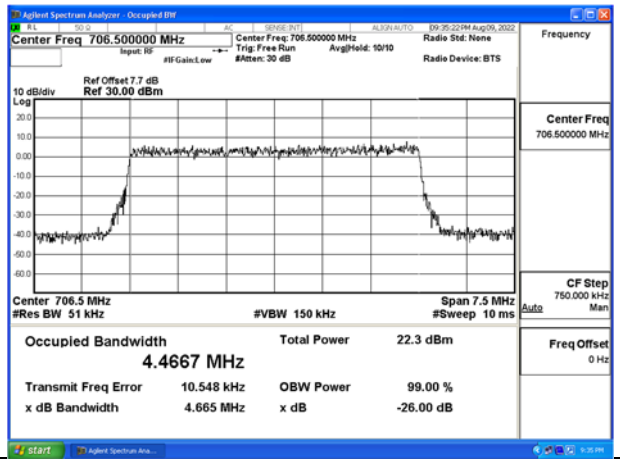


Fig.7

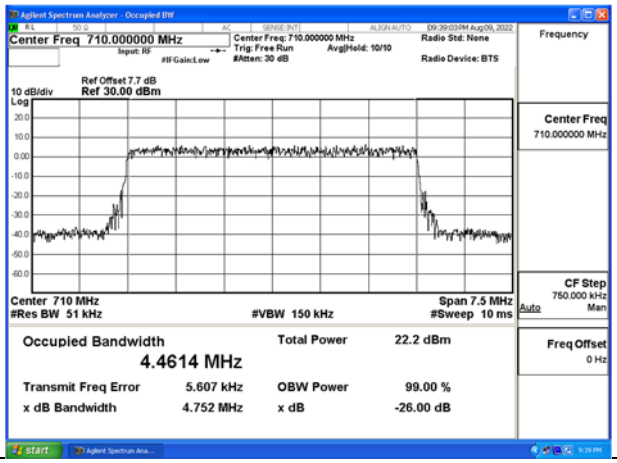


Fig.8

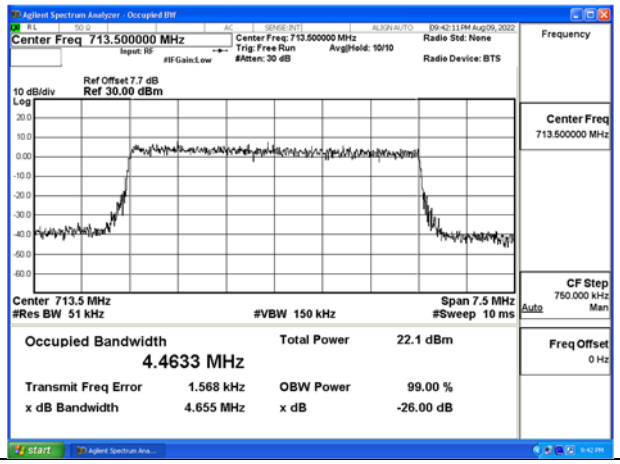


Fig.9

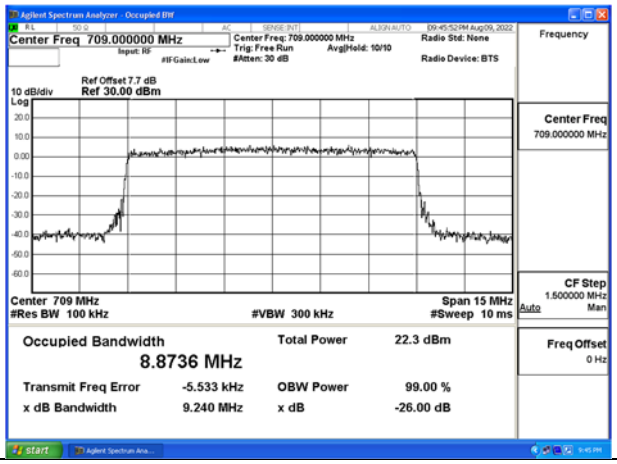


Fig.10

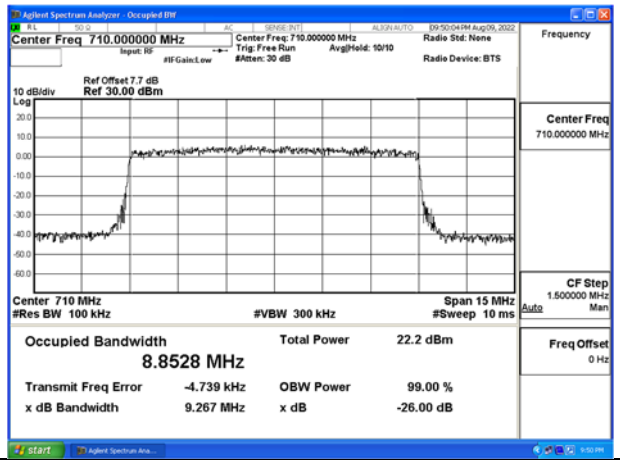


Fig.11

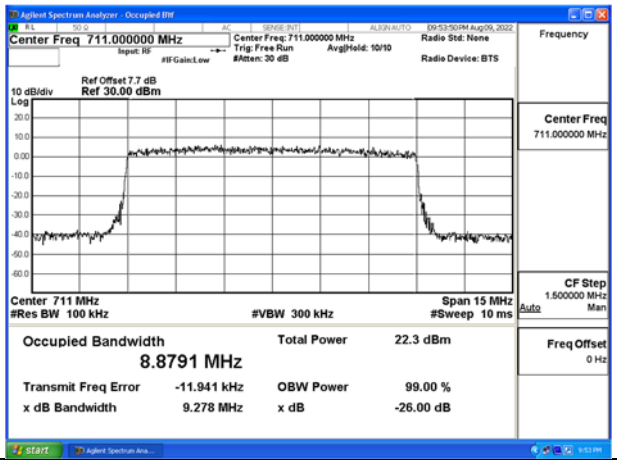


Fig.12

Test Mode: 64QAM

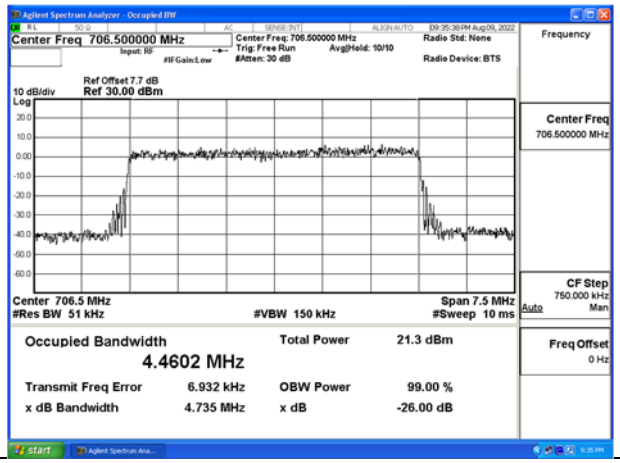


Fig.13

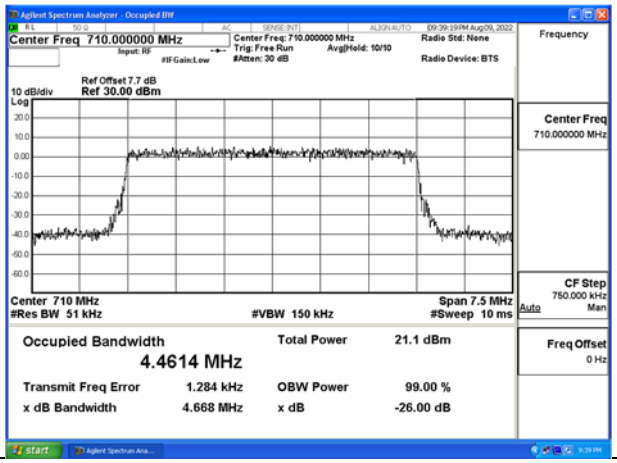


Fig.14

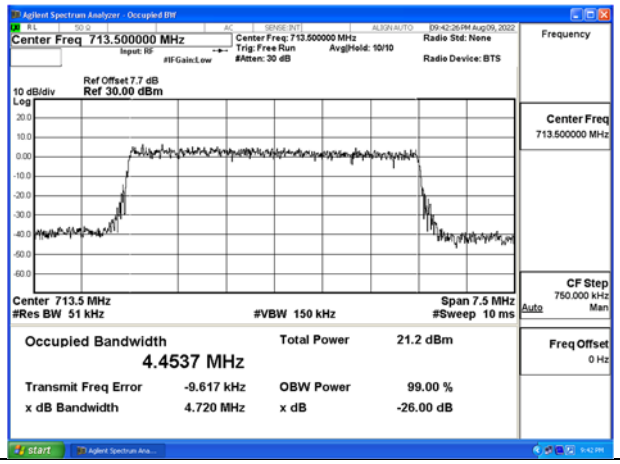


Fig.15

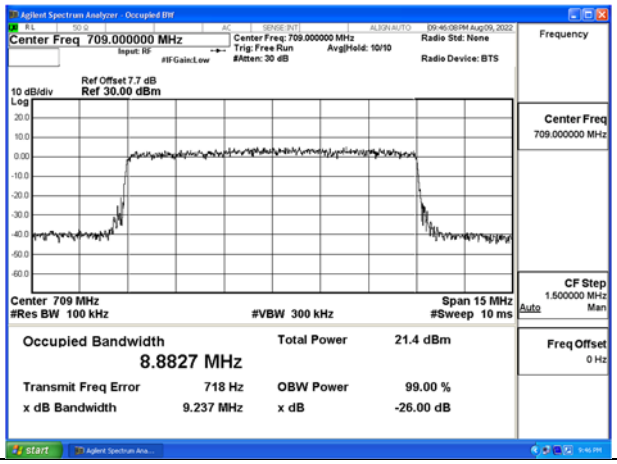


Fig.16

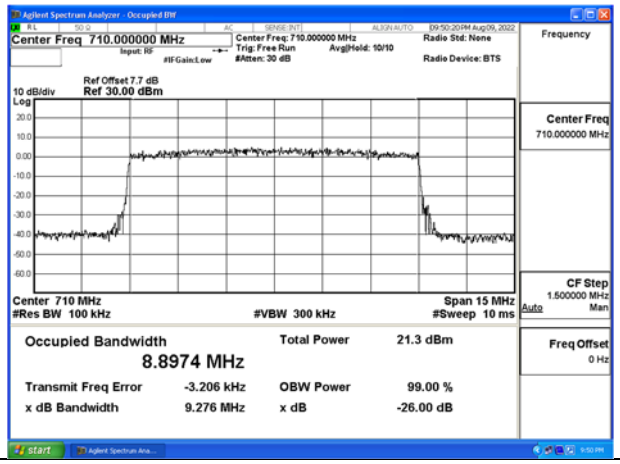


Fig.17

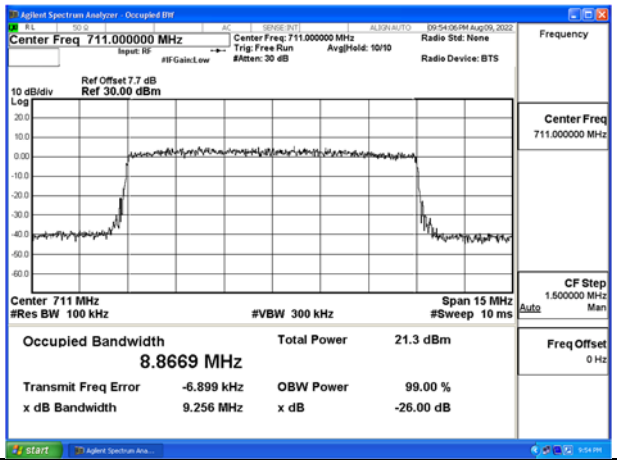


Fig.18

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	4.75	Fig.1
17	QPSK	710	23790	5	25	0	4.77	Fig.2
17	QPSK	713.5	23825	5	25	0	4.72	Fig.3
17	QPSK	709	23780	10	50	0	9.26	Fig.4
17	QPSK	710	23790	10	50	0	9.22	Fig.5
17	QPSK	711	23800	10	50	0	9.24	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	4.66	Fig.7
17	16QAM	710	23790	5	25	0	4.75	Fig.8
17	16QAM	713.5	23825	5	25	0	4.65	Fig.9
17	16QAM	709	23780	10	50	0	9.24	Fig.10
17	16QAM	710	23790	10	50	0	9.27	Fig.11
17	16QAM	711	23800	10	50	0	9.28	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	4.74	Fig.13
17	64QAM	710	23790	5	25	0	4.67	Fig.14
17	64QAM	713.5	23825	5	25	0	4.72	Fig.15
17	64QAM	709	23780	10	50	0	9.24	Fig.16
17	64QAM	710	23790	10	50	0	9.28	Fig.17
17	64QAM	711	23800	10	50	0	9.26	Fig.18

Test Mode: QPSK

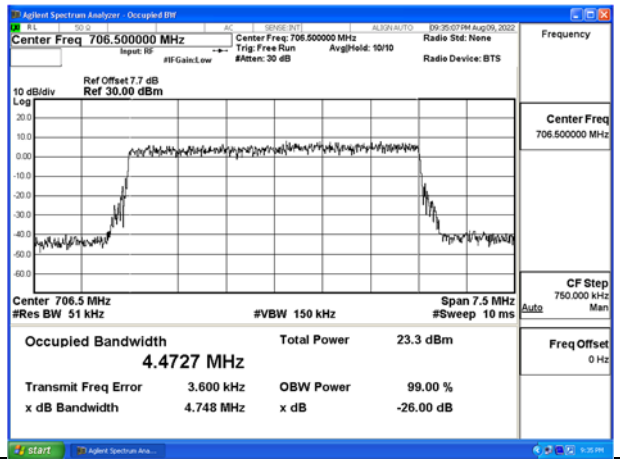


Fig.1

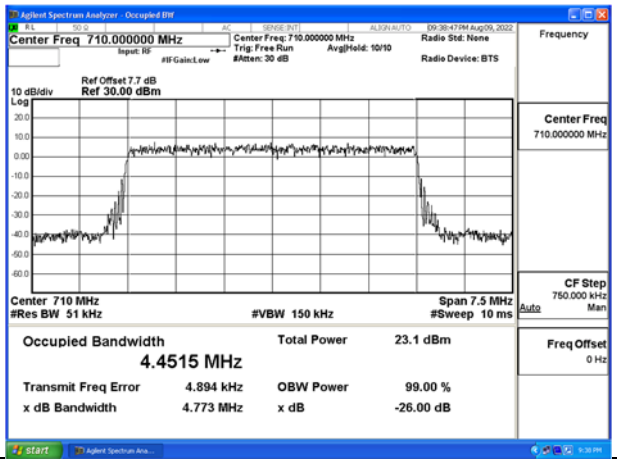


Fig.2

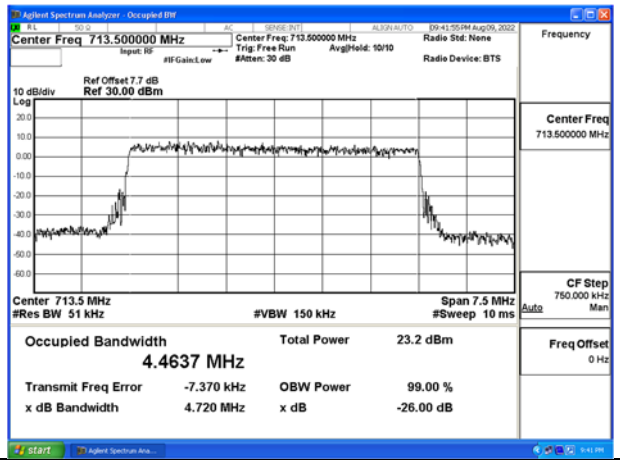


Fig.3

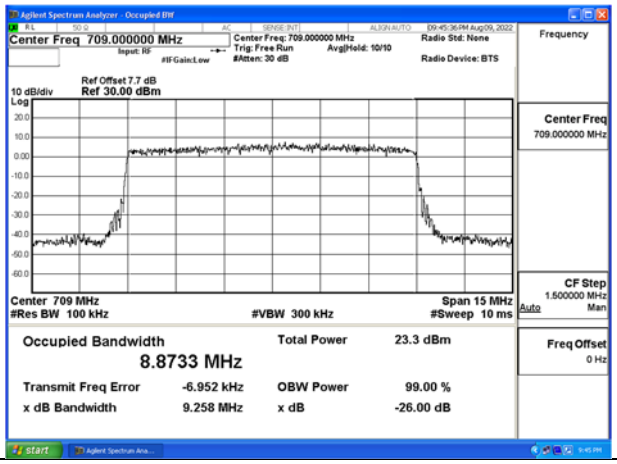


Fig.4

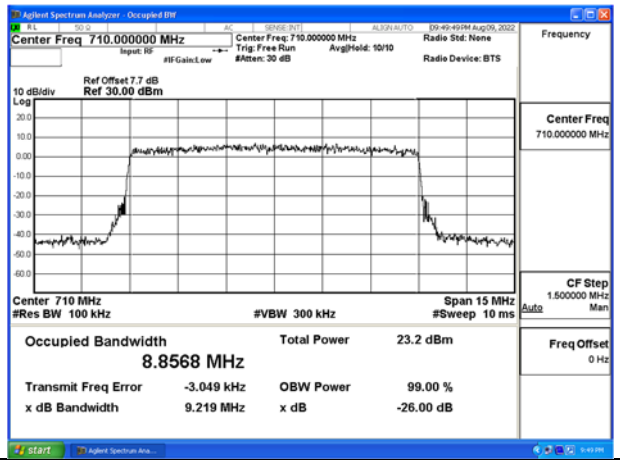


Fig.5

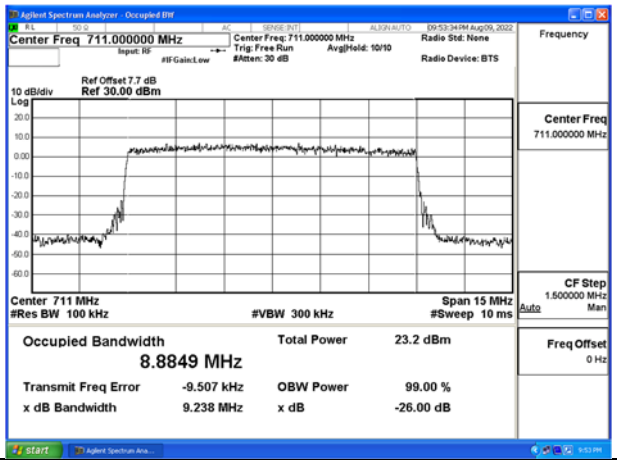


Fig.6

Test Mode: 16QAM

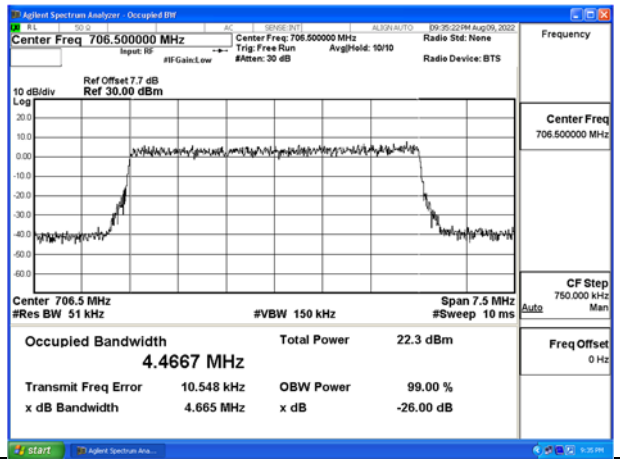


Fig.7

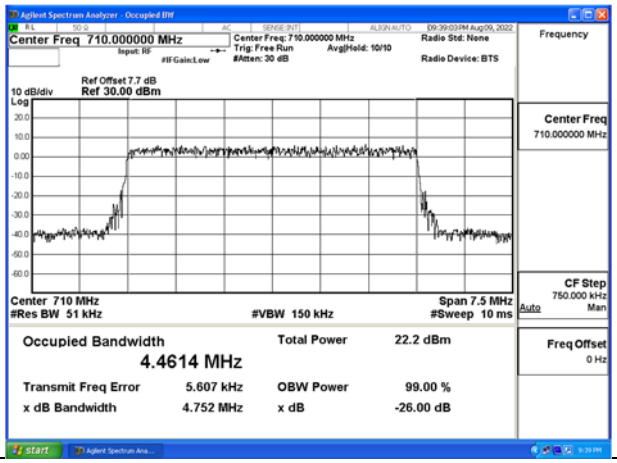


Fig.8

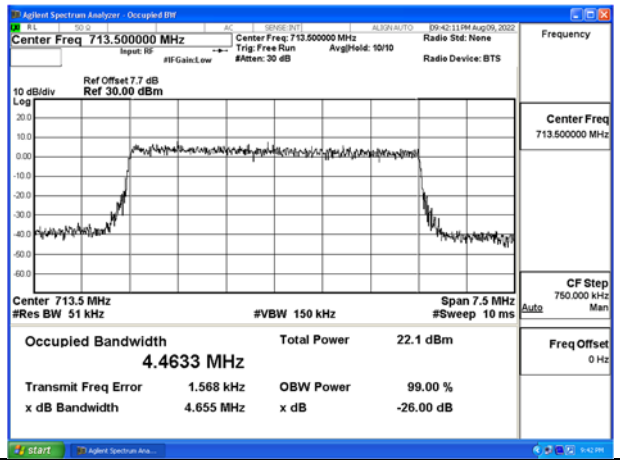


Fig.9

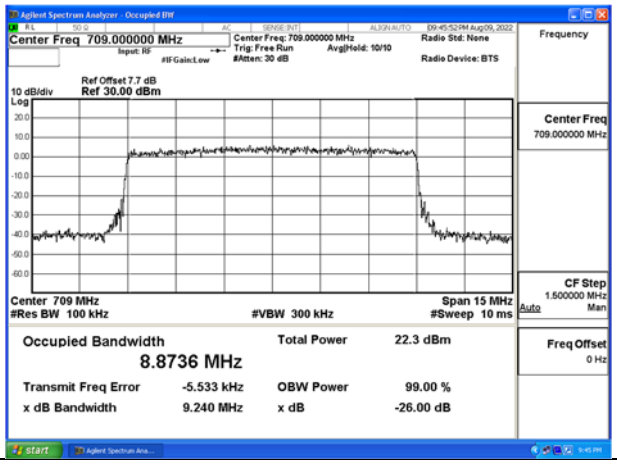


Fig.10

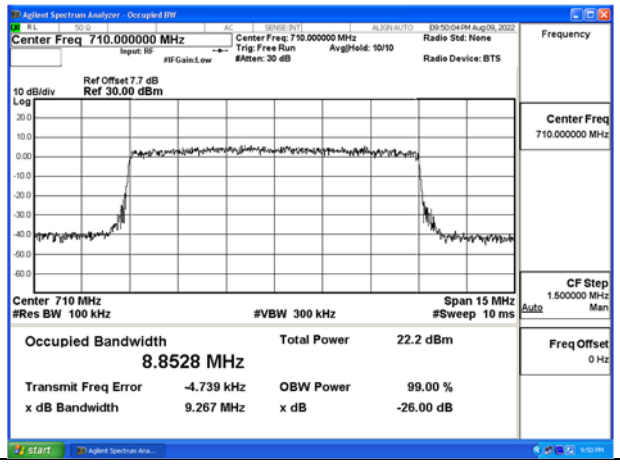


Fig.11

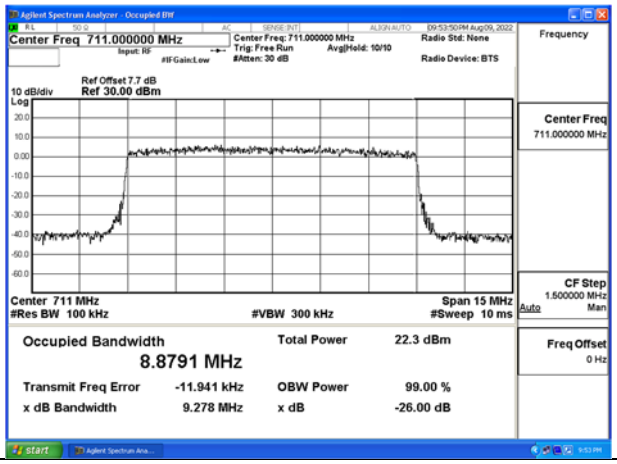


Fig.12

Test Mode: 64QAM

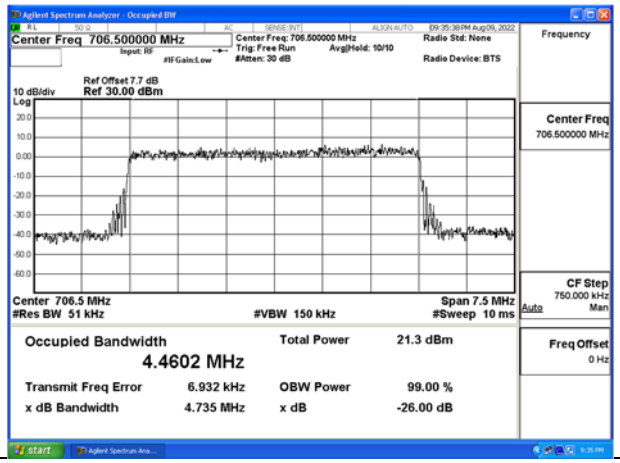


Fig.13

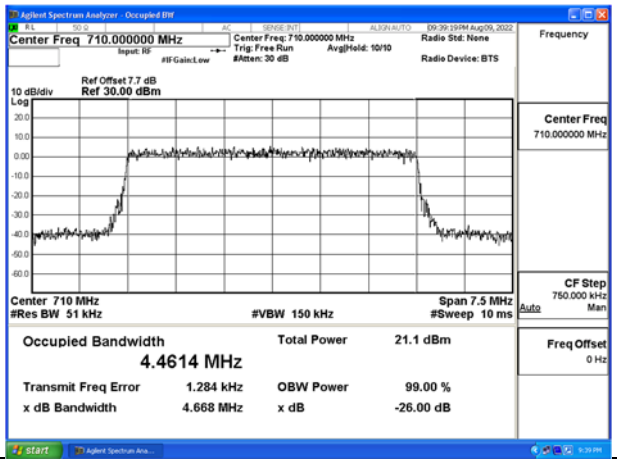
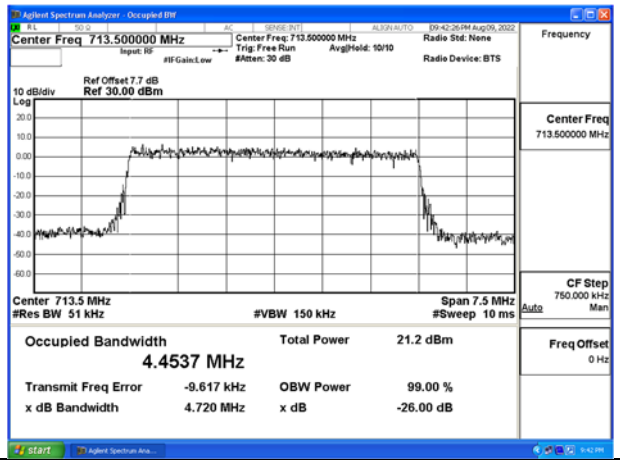


Fig.14



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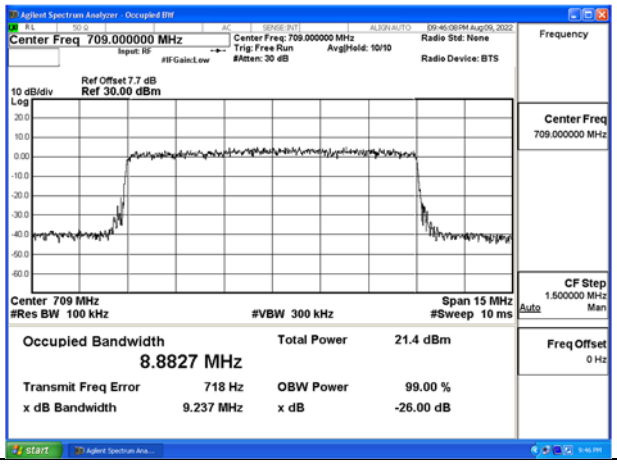

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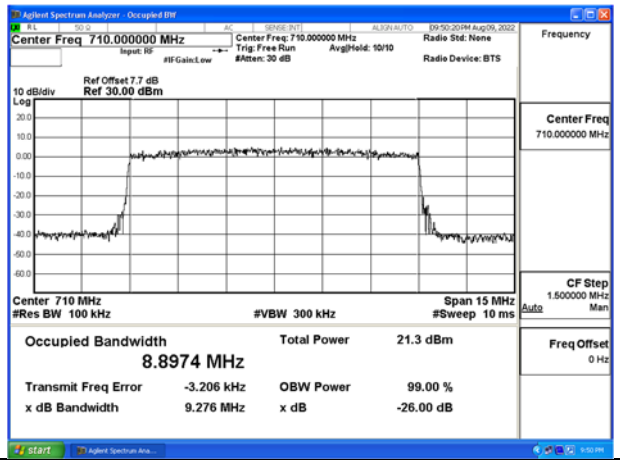


Fig.17

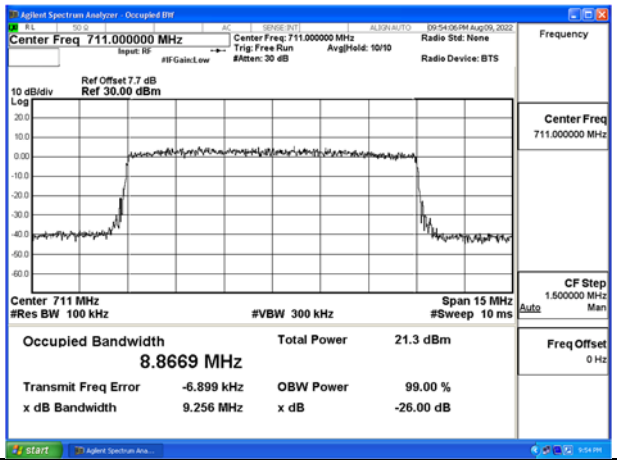


Fig.18

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

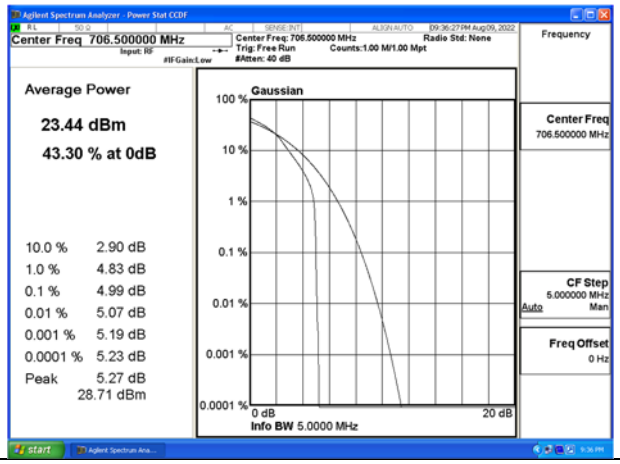


Fig.1

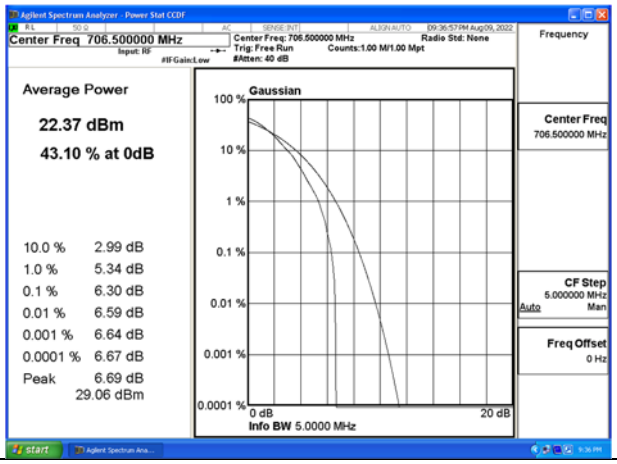


Fig.2

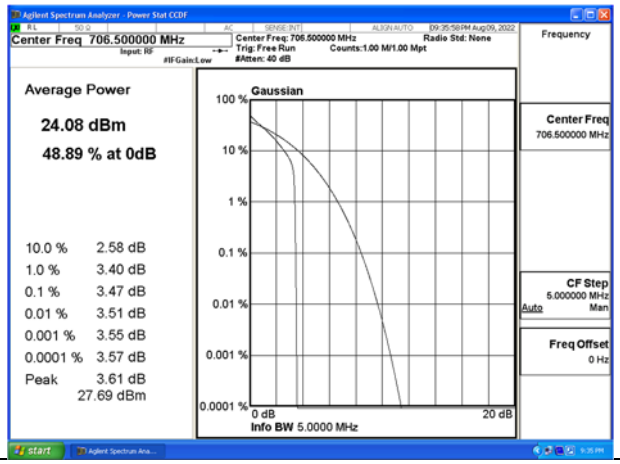


Fig.3

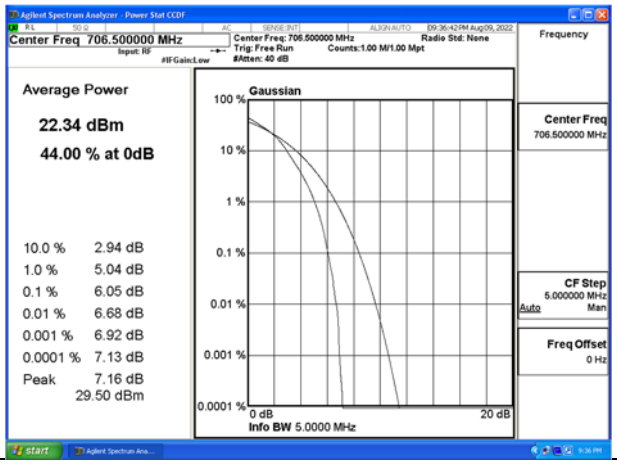


Fig.4

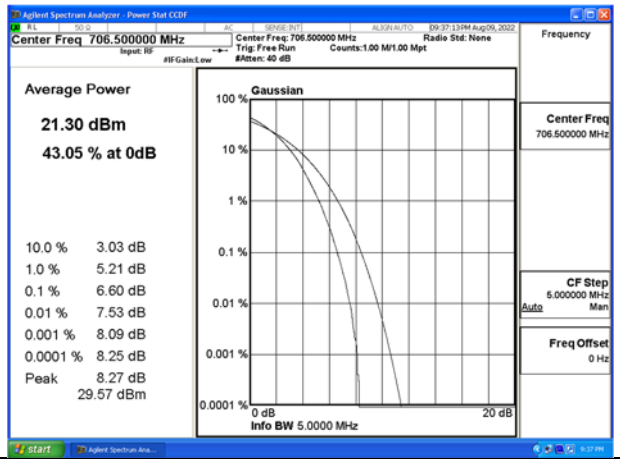


Fig.5

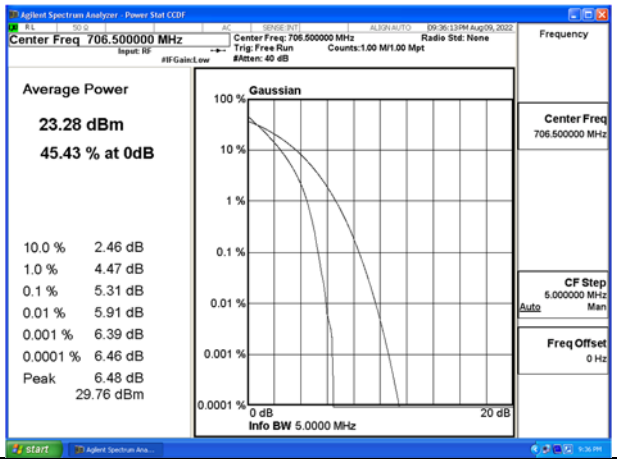


Fig.6

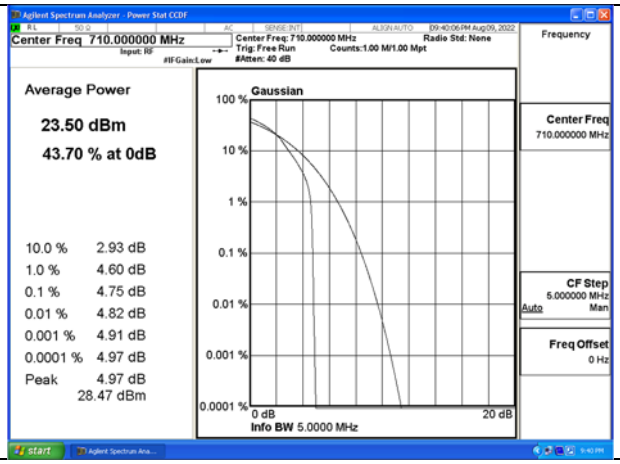


Fig.7

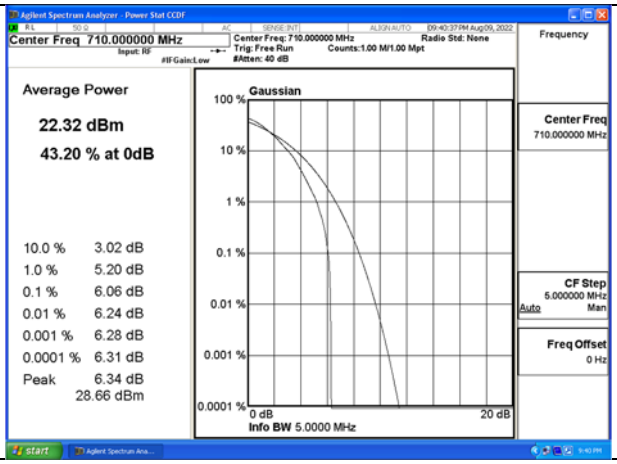


Fig.8

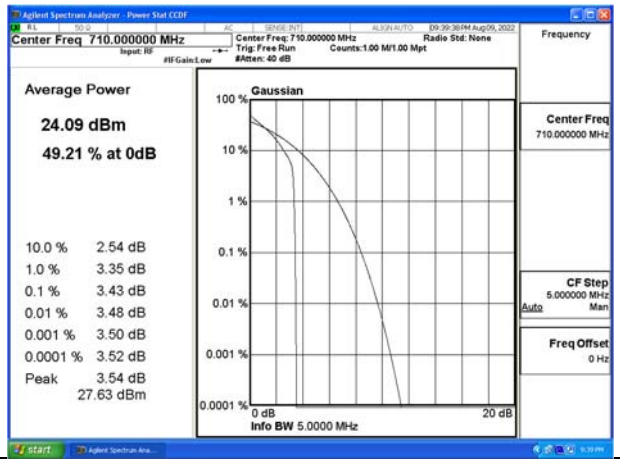


Fig.9

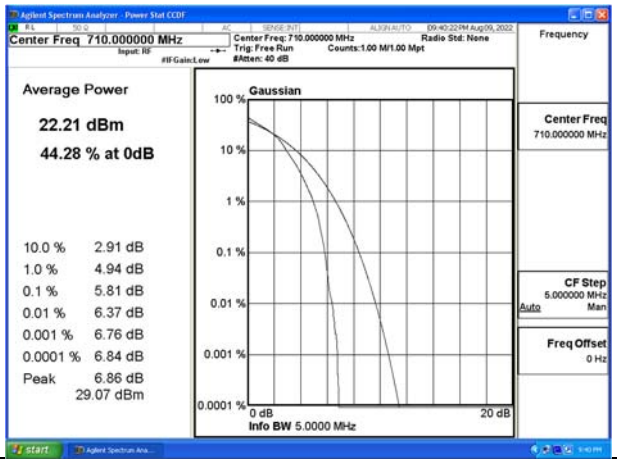


Fig.10

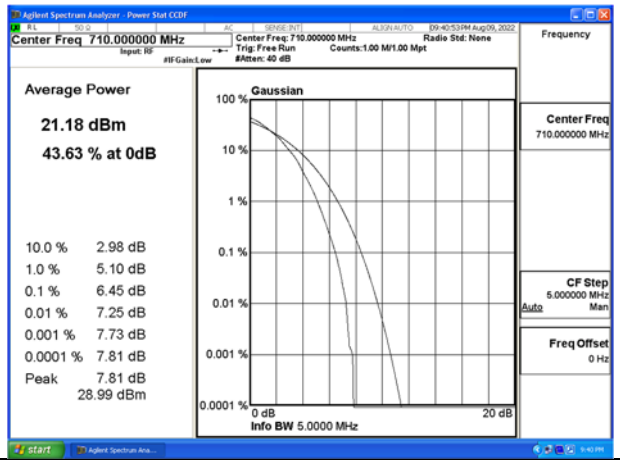


Fig.11

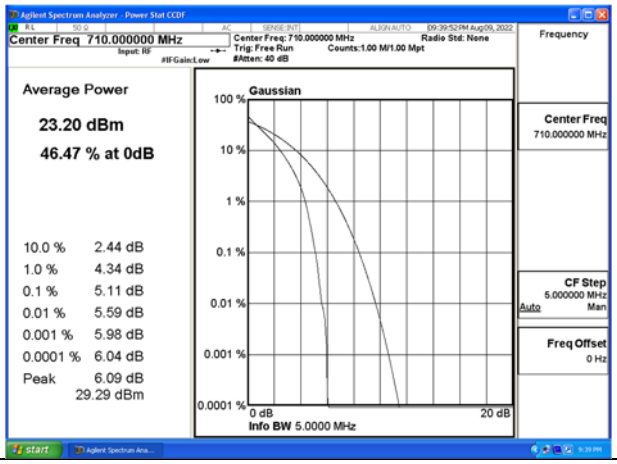


Fig.12

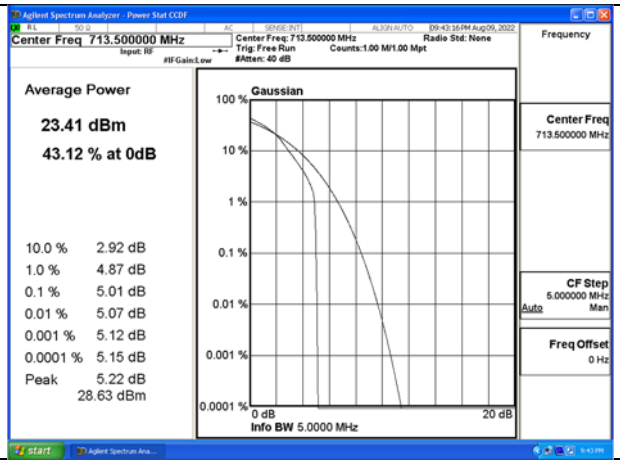
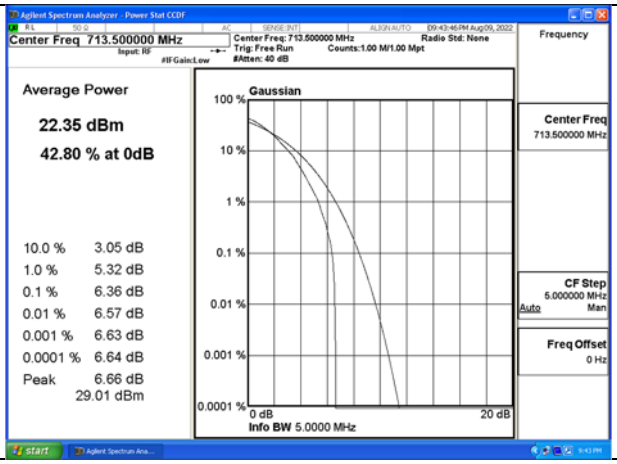


Fig.13



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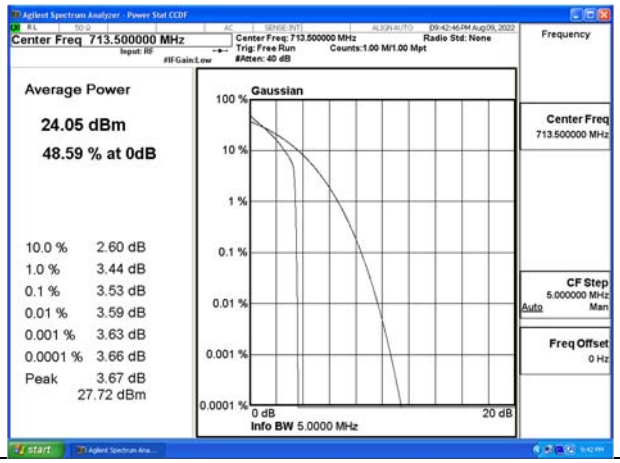

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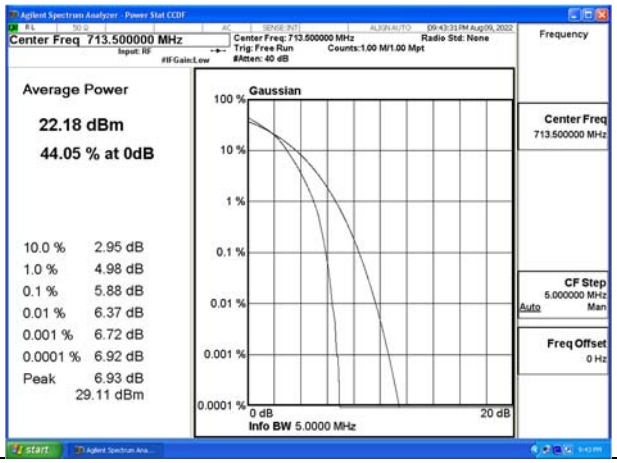


Fig.16

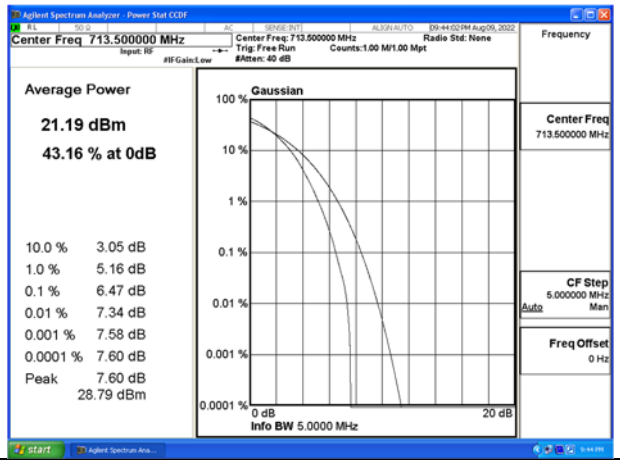


Fig.17

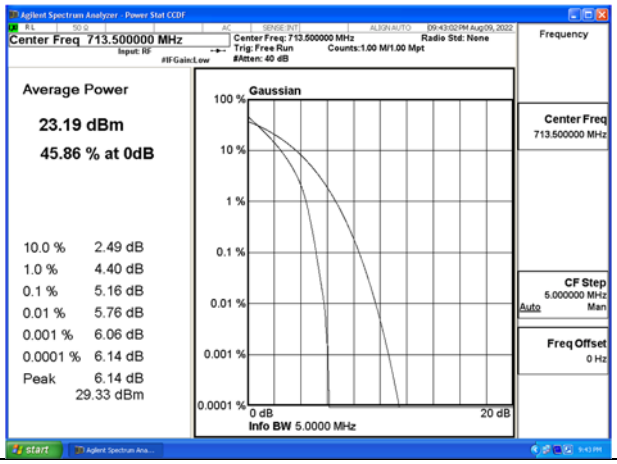
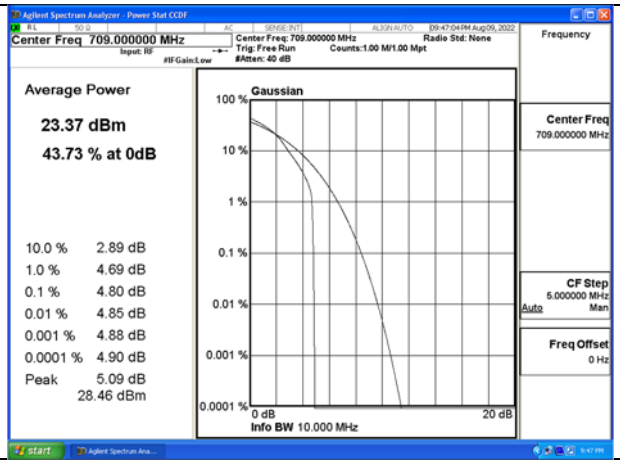


Fig.18



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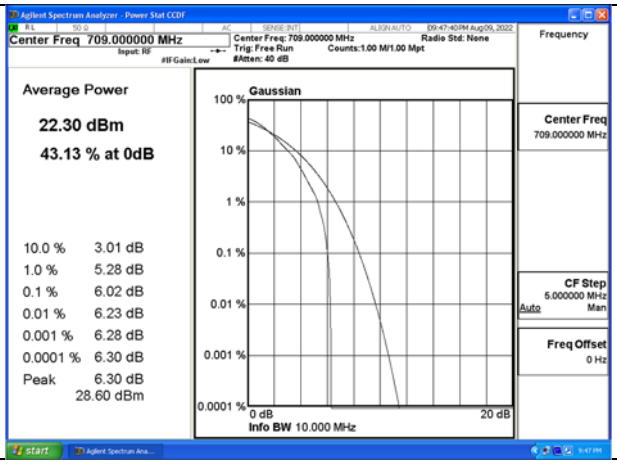


Fig.20

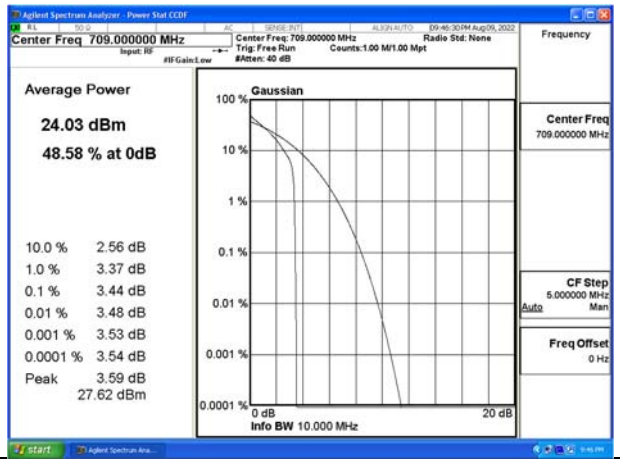


Fig.21

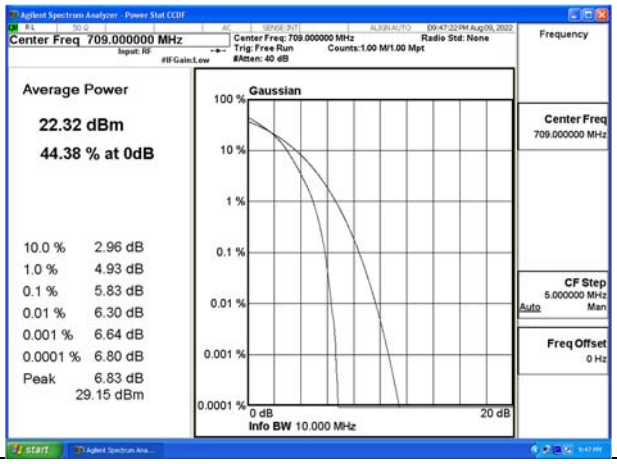
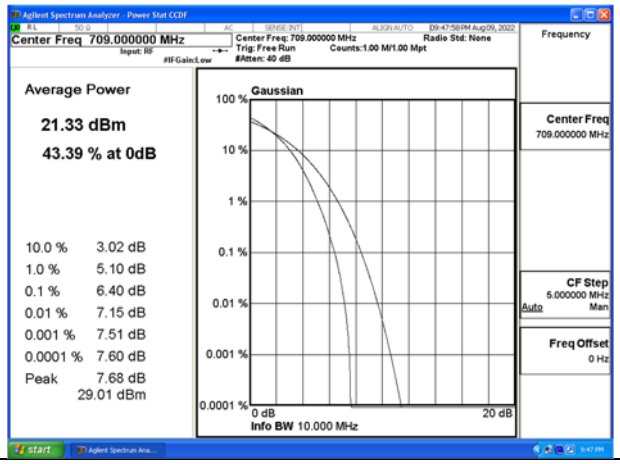


Fig.22



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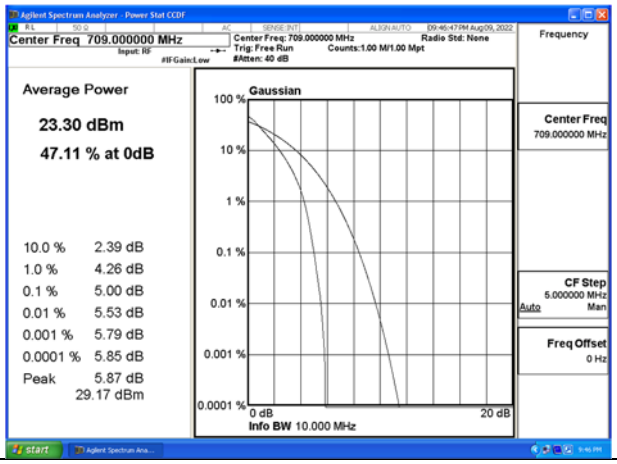

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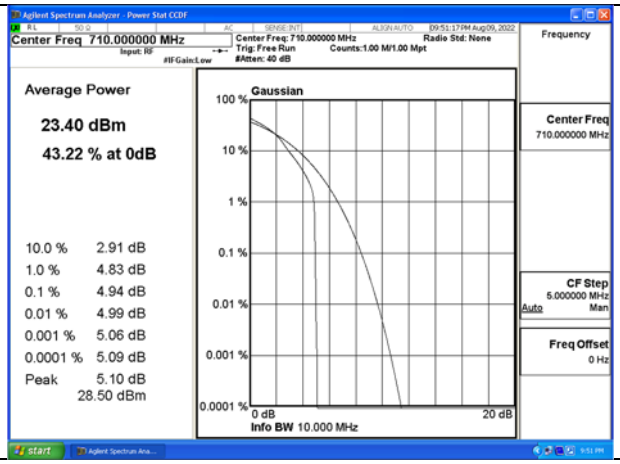

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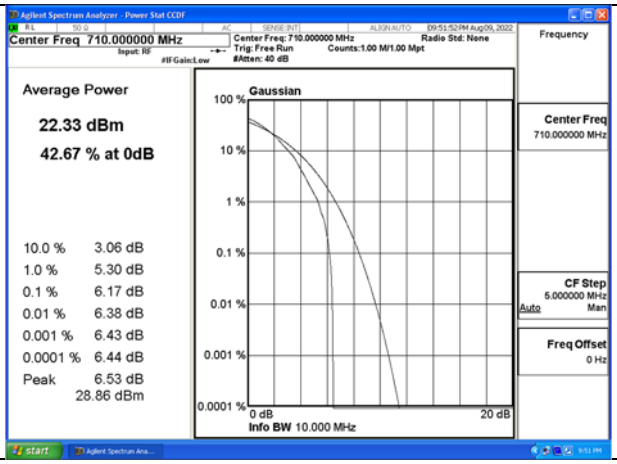


Fig.26

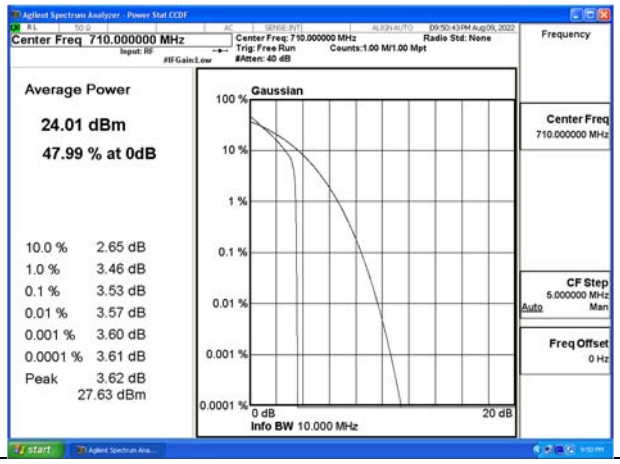
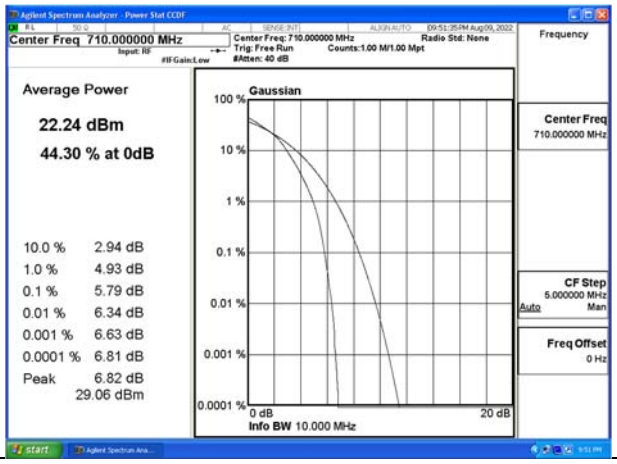


Fig.27



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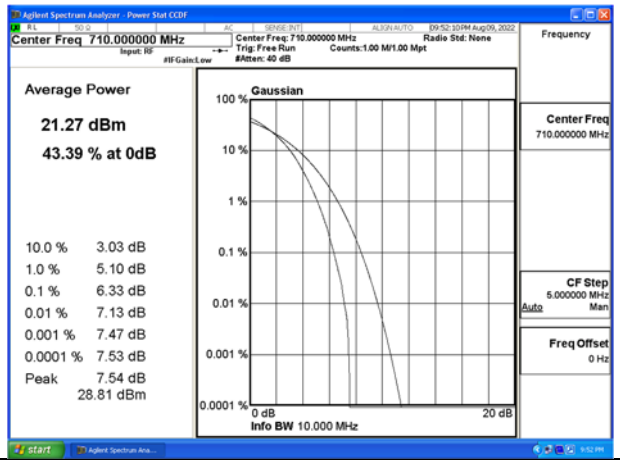

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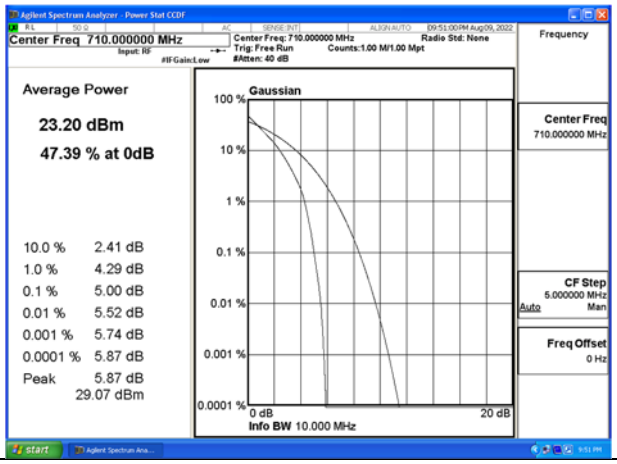


Fig.30

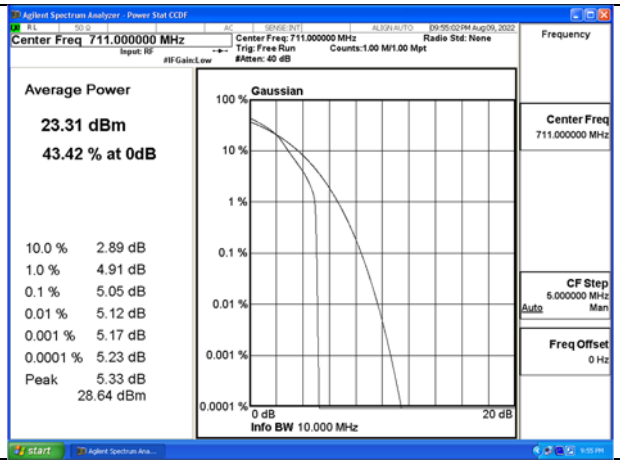


Fig.31

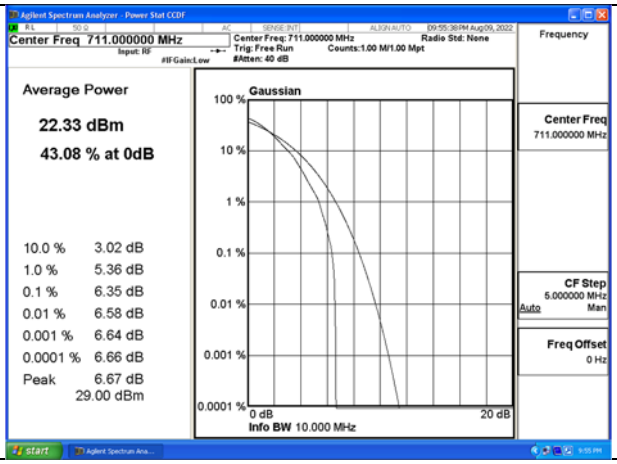


Fig.32

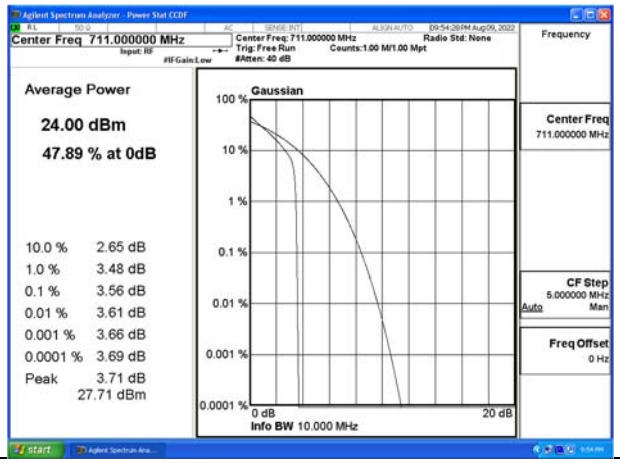


Fig.33

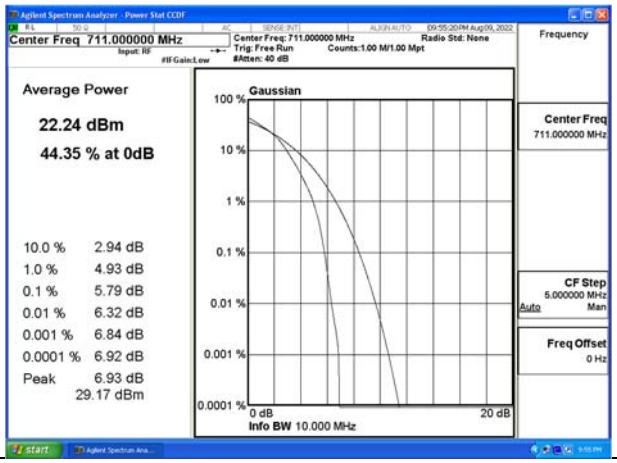


Fig.34

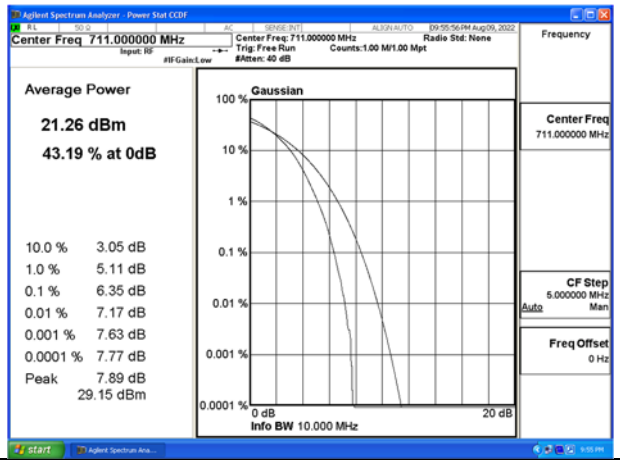


Fig.35

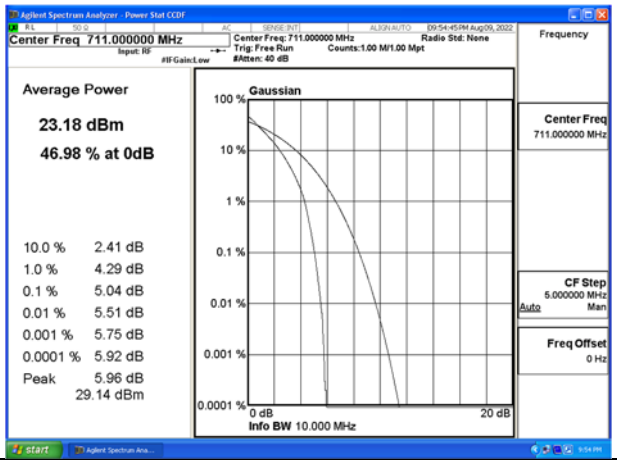


Fig.36

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

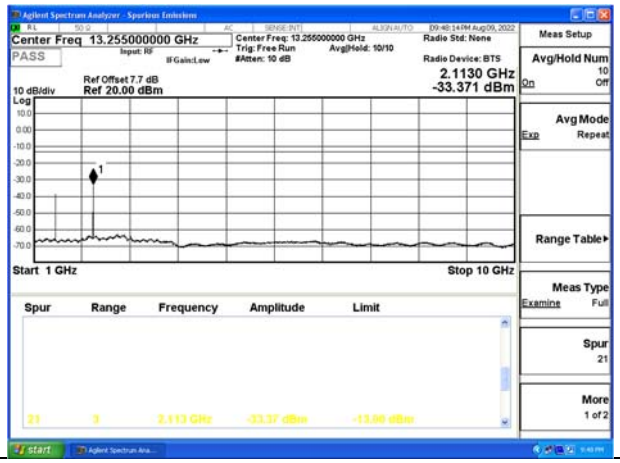


Fig.1

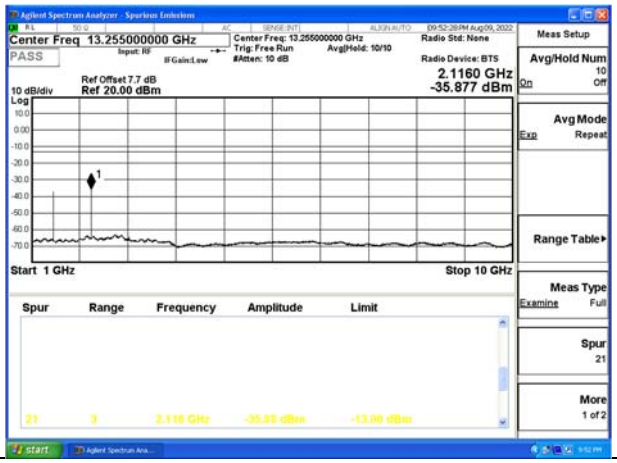


Fig.2

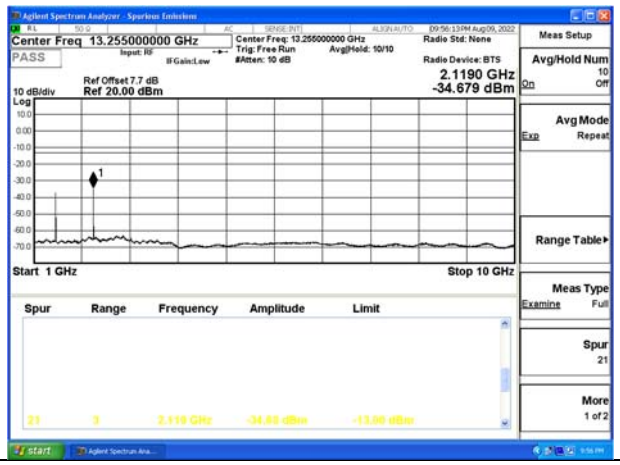


Fig.3

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

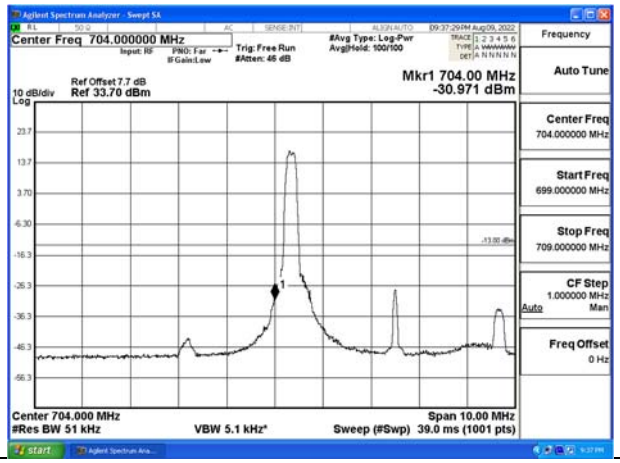


Fig.1

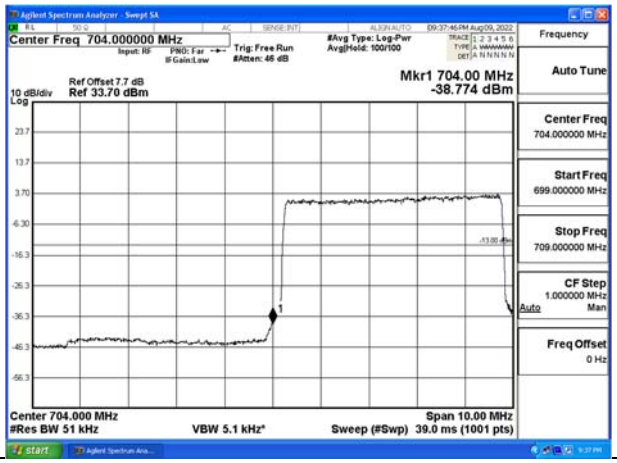


Fig.2

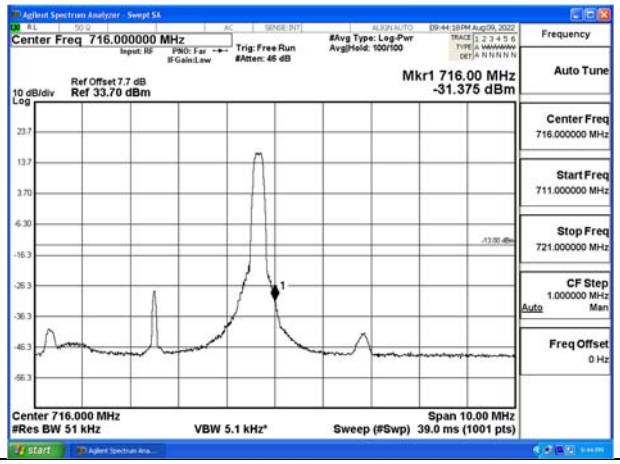


Fig.3

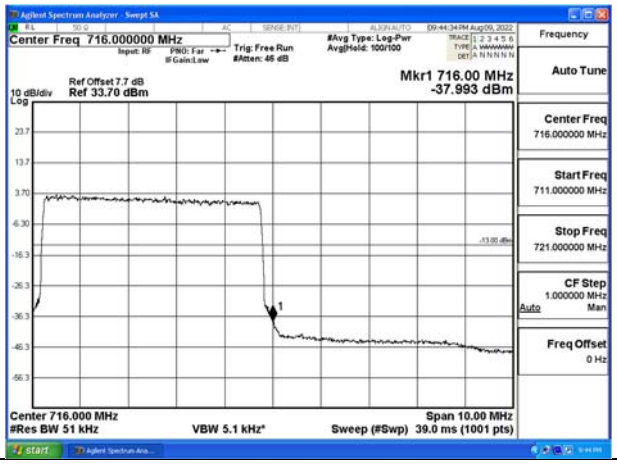


Fig.4

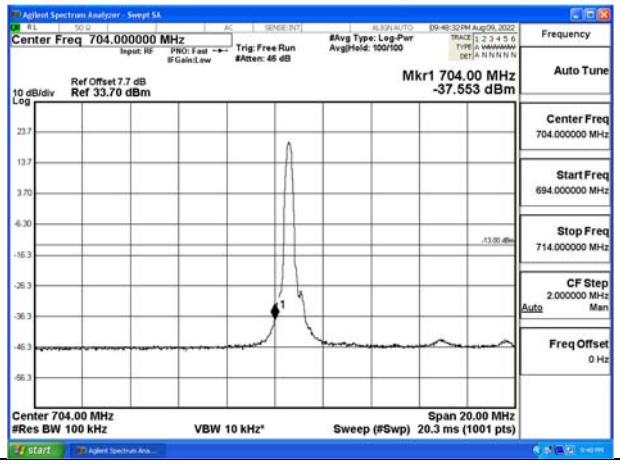


Fig.5

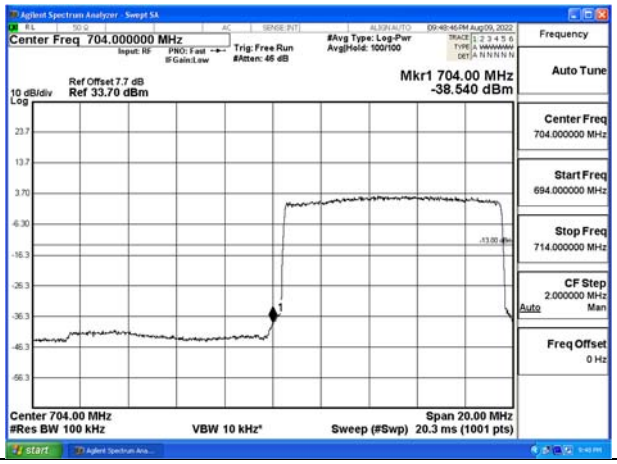
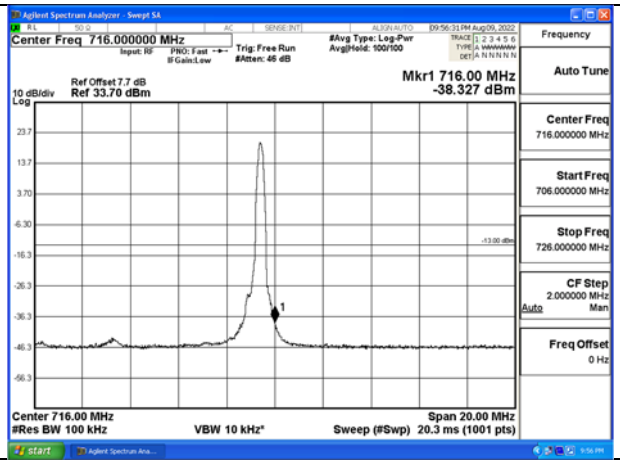


Fig.6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Center Freq 716.000000 MHz
Trig: Free Run
#Atten: 46 dB
#Avg Type: Log-Pwr
Avg|Hold: 100/100
Mkr1 716.00 MHz
-38.327 dBm
Ref Offset 7.7 dB
10 dB/div Ref 33.70 dBm
Log
Center 716.00 MHz
#Res BW 100 kHz
VBW 10 kHz*
Span 20.00 MHz
Sweep (#Swp) 20.3 ms (1001 pts)
Frequency
Auto Tune
Center Freq 716.000000 MHz
Start Freq 706.000000 MHz
Stop Freq 726.000000 MHz
CF Step 2.000000 MHz
Auto Man
Freq Offset 0 Hz

Fig.7

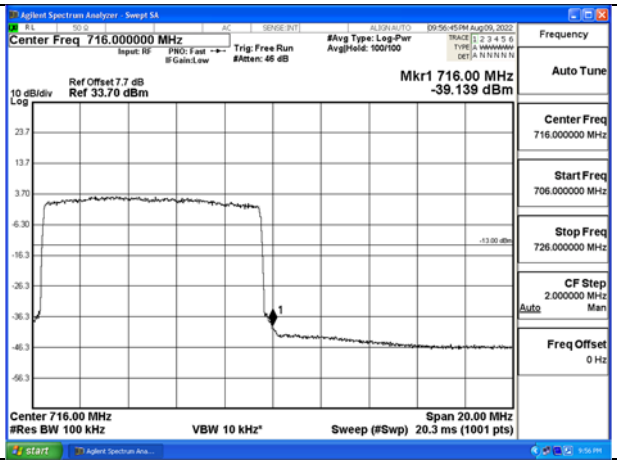
Agilent Spectrum Analyzer - Swept SA
Center Freq 716.000000 MHz
Trig: Free Run
#Atten: 46 dB
#Avg Type: Log-Pwr
Avg|Hold: 100/100
Mkr1 716.00 MHz
-39.139 dBm
Ref Offset 7.7 dB
10 dB/div Ref 33.70 dBm
Log
Center 716.00 MHz
#Res BW 100 kHz
VBW 10 kHz*
Span 20.00 MHz
Sweep (#Swp) 20.3 ms (1001 pts)
Frequency
Auto Tune
Center Freq 716.000000 MHz
Start Freq 706.000000 MHz
Stop Freq 726.000000 MHz
CF Step 2.000000 MHz
Auto Man
Freq Offset 0 Hz

Fig.8

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 17 Low Channel QPSK	
		5M	10M
-10	NV	-0.001	-0.004
0	NV	0.004	0.006
+10	NV	0.002	0.006
+20	NV	-0.002	-0.006
+30	NV	-0.003	-0.007
+40	NV	0.004	-0.005
+50	NV	0.003	0.004
+55	NV	-0.001	-0.007
+20	LV	-0.001	-0.006
+20	HV	0.001	-0.005

Temperature(°C)	Voltage	Test Result (ppm) Band 17 High Channel QPSK	
		5M	10M
-10	NV	0.003	0.008
0	NV	0.003	0.005
+10	NV	0.003	0.006
+20	NV	0.003	-0.006
+30	NV	0.003	0.006
+40	NV	-0.004	0.006
+50	NV	0.002	-0.007
+55	NV	0.003	0.006
+20	LV	0.000	-0.005
+20	HV	0.006	-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	23.47	10.72	0.012
QPSK	706.5	23755	5	1	12	23.91	11.16	0.013
QPSK	706.5	23755	5	1	24	23.30	10.55	0.011
QPSK	706.5	23755	5	12	0	22.63	9.88	0.010
QPSK	706.5	23755	5	12	7	22.58	9.83	0.010
QPSK	706.5	23755	5	12	13	22.52	9.77	0.009
QPSK	706.5	23755	5	25	0	22.77	10.02	0.010
QPSK	710	23790	5	1	0	23.73	10.98	0.013
QPSK	710	23790	5	1	12	23.54	10.79	0.012
QPSK	710	23790	5	1	24	23.49	10.74	0.012
QPSK	710	23790	5	12	0	22.53	9.78	0.010
QPSK	710	23790	5	12	7	22.69	9.94	0.010
QPSK	710	23790	5	12	13	22.55	9.80	0.010
QPSK	710	23790	5	25	0	22.61	9.86	0.010
QPSK	713.5	23825	5	1	0	23.71	10.96	0.012
QPSK	713.5	23825	5	1	12	24.00	11.25	0.013
QPSK	713.5	23825	5	1	24	23.47	10.72	0.012
QPSK	713.5	23825	5	12	0	22.70	9.95	0.010
QPSK	713.5	23825	5	12	7	22.69	9.94	0.010
QPSK	713.5	23825	5	12	13	22.58	9.83	0.010
QPSK	713.5	23825	5	25	0	22.54	9.79	0.010

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	23.16	10.41	0.011
16QAM	706.5	23755	5	1	12	22.58	9.83	0.010
16QAM	706.5	23755	5	1	24	22.38	9.63	0.009
16QAM	706.5	23755	5	12	0	21.68	8.93	0.008
16QAM	706.5	23755	5	12	7	21.63	8.88	0.008
16QAM	706.5	23755	5	12	13	21.58	8.83	0.008
16QAM	706.5	23755	5	25	0	21.78	9.03	0.008
16QAM	710	23790	5	1	0	22.87	10.12	0.010
16QAM	710	23790	5	1	12	22.25	9.50	0.009
16QAM	710	23790	5	1	24	22.12	9.37	0.009
16QAM	710	23790	5	12	0	21.63	8.88	0.008
16QAM	710	23790	5	12	7	21.62	8.87	0.008
16QAM	710	23790	5	12	13	21.70	8.95	0.008
16QAM	710	23790	5	25	0	21.63	8.88	0.008
16QAM	713.5	23825	5	1	0	23.12	10.37	0.011
16QAM	713.5	23825	5	1	12	22.64	9.89	0.010
16QAM	713.5	23825	5	1	24	22.99	10.24	0.011
16QAM	713.5	23825	5	12	0	21.70	8.95	0.008
16QAM	713.5	23825	5	12	7	21.66	8.91	0.008
16QAM	713.5	23825	5	12	13	21.60	8.85	0.008
16QAM	713.5	23825	5	25	0	21.69	8.94	0.008
64QAM	706.5	23755	5	1	0	21.55	8.80	0.008
64QAM	706.5	23755	5	1	12	21.78	9.03	0.008
64QAM	706.5	23755	5	1	24	21.64	8.89	0.008
64QAM	706.5	23755	5	12	0	20.59	7.84	0.006
64QAM	706.5	23755	5	12	7	20.63	7.88	0.006
64QAM	706.5	23755	5	12	13	20.52	7.77	0.006
64QAM	706.5	23755	5	25	0	20.53	7.78	0.006
64QAM	710	23790	5	1	0	21.62	8.87	0.008
64QAM	710	23790	5	1	12	21.74	8.99	0.008
64QAM	710	23790	5	1	24	21.39	8.64	0.007
64QAM	710	23790	5	12	0	20.63	7.88	0.006
64QAM	710	23790	5	12	7	20.59	7.84	0.006
64QAM	710	23790	5	12	13	20.66	7.91	0.006
64QAM	710	23790	5	25	0	20.68	7.93	0.006
64QAM	713.5	23825	5	1	0	21.74	8.99	0.008
64QAM	713.5	23825	5	1	12	21.48	8.73	0.007
64QAM	713.5	23825	5	1	24	21.75	9.00	0.008
64QAM	713.5	23825	5	12	0	20.78	8.03	0.006
64QAM	713.5	23825	5	12	7	20.85	8.10	0.006
64QAM	713.5	23825	5	12	13	20.62	7.87	0.006
64QAM	713.5	23825	5	25	0	20.64	7.89	0.006

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	23.53	10.78	0.012
QPSK	709	23780	10	1	25	23.51	10.76	0.012
QPSK	709	23780	10	1	49	23.36	10.61	0.012
QPSK	709	23780	10	25	0	22.61	9.86	0.010
QPSK	709	23780	10	25	12	22.77	10.02	0.010
QPSK	709	23780	10	25	25	22.66	9.91	0.010
QPSK	709	23780	10	50	0	22.76	10.01	0.010
QPSK	710	23790	10	1	0	23.72	10.97	0.013
QPSK	710	23790	10	1	25	23.51	10.76	0.012
QPSK	710	23790	10	1	49	23.49	10.74	0.012
QPSK	710	23790	10	25	0	22.61	9.86	0.010
QPSK	710	23790	10	25	12	22.69	9.94	0.010
QPSK	710	23790	10	25	25	22.66	9.91	0.010
QPSK	710	23790	10	50	0	22.60	9.85	0.010
QPSK	711	23800	10	1	0	23.65	10.90	0.012
QPSK	711	23800	10	1	25	23.33	10.58	0.011
QPSK	711	23800	10	1	49	23.52	10.77	0.012
QPSK	711	23800	10	25	0	22.72	9.97	0.010
QPSK	711	23800	10	25	12	22.69	9.94	0.010
QPSK	711	23800	10	25	25	22.71	9.96	0.010
QPSK	711	23800	10	50	0	22.63	9.88	0.010

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	23.02	10.27	0.011
16QAM	709	23780	10	1	25	22.85	10.10	0.010
16QAM	709	23780	10	1	49	23.13	10.38	0.011
16QAM	709	23780	10	25	0	21.81	9.06	0.008
16QAM	709	23780	10	25	12	21.73	8.98	0.008
16QAM	709	23780	10	25	25	21.60	8.85	0.008
16QAM	709	23780	10	50	0	21.85	9.10	0.008
16QAM	710	23790	10	1	0	23.32	10.57	0.011
16QAM	710	23790	10	1	25	22.62	9.87	0.010
16QAM	710	23790	10	1	49	22.45	9.70	0.009
16QAM	710	23790	10	25	0	21.61	8.86	0.008
16QAM	710	23790	10	25	12	21.61	8.86	0.008
16QAM	710	23790	10	25	25	21.72	8.97	0.008
16QAM	710	23790	10	50	0	21.64	8.89	0.008
16QAM	711	23800	10	1	0	23.16	10.41	0.011
16QAM	711	23800	10	1	25	22.57	9.82	0.010
16QAM	711	23800	10	1	49	22.84	10.09	0.010
16QAM	711	23800	10	25	0	21.63	8.88	0.008
16QAM	711	23800	10	25	12	21.60	8.85	0.008
16QAM	711	23800	10	25	25	21.69	8.94	0.008
16QAM	711	23800	10	50	0	21.62	8.87	0.008
64QAM	709	23780	10	1	0	21.86	9.11	0.008
64QAM	709	23780	10	1	25	21.76	9.01	0.008
64QAM	709	23780	10	1	49	21.96	9.21	0.008
64QAM	709	23780	10	25	0	20.85	8.10	0.006
64QAM	709	23780	10	25	12	20.77	8.02	0.006
64QAM	709	23780	10	25	25	20.69	7.94	0.006
64QAM	709	23780	10	50	0	20.75	8.00	0.006
64QAM	710	23790	10	1	0	21.77	9.02	0.008
64QAM	710	23790	10	1	25	22.14	9.39	0.009
64QAM	710	23790	10	1	49	21.64	8.89	0.008
64QAM	710	23790	10	25	0	20.80	8.05	0.006
64QAM	710	23790	10	25	12	20.69	7.94	0.006
64QAM	710	23790	10	25	25	20.73	7.98	0.006
64QAM	710	23790	10	50	0	20.72	7.97	0.006
64QAM	711	23800	10	1	0	21.90	9.15	0.008
64QAM	711	23800	10	1	25	21.96	9.21	0.008
64QAM	711	23800	10	1	49	21.65	8.90	0.008
64QAM	711	23800	10	25	0	20.73	7.98	0.006
64QAM	711	23800	10	25	12	20.61	7.86	0.006
64QAM	711	23800	10	25	25	20.76	8.01	0.006
64QAM	711	23800	10	50	0	20.70	7.95	0.006