

Appendix D

RF Test Data for LTE (Conducted Measurement)

Product Name: 4G LTE WIFI ROUTER

Trade Mark: N/A

Test Model: FG8002AC

Environmental Conditions

Temperature:	23.4 ° C
Relative Humidity:	55.7%
ATM Pressure:	100.0 kPa
Test Engineer:	Keven Wu
Supervised by:	Henry Wang

D.1 TRANSMITTER CONDUCTED OUTPUT POWER AND ERP/EIRP

LTE Band 2 - 1.4MHz Bandwidth								
Modulation	RB Size	RB Offset	Average Power (dBm)			Ant. Gain (dBi)	Max. EIRP (dBm)	EIRP Limit (dBm)
			18607	18900	19193			
			1850.7MHz	1880.0MHz	1909.3MHz			
QPSK	1	0	23.32	22.38	22.12	0.77	24.09	33
	1	2	23.28	22.29	22.50			
	1	5	23.10	22.58	22.30			
	3	0	23.03	22.44	22.18			
	3	1	23.01	22.33	22.31			
	3	2	22.71	22.64	22.09			
	6	0	21.68	21.56	21.31			
16QAM	1	0	22.03	21.32	21.02	0.77	22.89	33
	1	2	22.04	21.15	21.32			
	1	5	21.92	21.10	20.84			
	3	0	21.94	21.39	20.93			
	3	1	22.12	21.22	20.79			
	3	2	21.58	21.28	21.17			
	6	0	20.74	20.31	20.89			
LTE Band 2 - 3MHz Bandwidth								
Modulation	RB Size	RB Offset	Average Power (dBm)			Ant. Gain (dBi)	Max. EIRP (dBm)	EIRP Limit (dBm)
			18615	18900	19185			
			1851.5MHz	1880.0MHz	1908.5MHz			
QPSK	1	0	23.25	23.03	22.33	0.77	24.26	33
	1	8	23.16	22.90	22.36			
	1	14	23.49	22.68	22.45			
	8	0	22.29	21.41	21.45			
	8	4	22.10	21.75	21.52			
	8	7	22.40	21.58	21.49			
	15	0	22.19	21.43	21.65			
16QAM	1	0	22.32	21.41	21.32	0.77	23.41	33
	1	8	22.26	21.40	21.28			
	1	14	22.64	21.39	21.31			
	8	0	21.56	20.72	20.33			
	8	4	21.36	20.59	20.36			
	8	7	21.26	20.48	20.57			
	15	0	21.25	20.43	20.44			

LTE Band 2 - 5MHz Bandwidth								
Modulation	RB Size	RB Offset	Average Power (dBm)			Ant. Gain (dBi)	Max. EIRP (dBm)	EIRP Limit (dBm)
			18625	18900	19175			
			1852.5MHz	1880.0MHz	1907.5MHz			
QPSK	1	0	23.19	22.51	22.13	0.77	23.96	33
	1	12	23.04	22.87	22.64			
	1	24	22.97	22.51	22.29			
	12	0	22.10	21.87	21.50			
	12	7	22.03	21.48	21.51			
	12	13	21.74	21.42	21.31			
	25	0	22.03	21.36	21.43			
16QAM	1	0	21.97	21.53	21.27	0.77	22.81	33
	1	12	22.04	21.69	21.23			
	1	24	22.00	21.74	21.21			
	12	0	20.71	20.46	20.13			
	12	7	20.85	20.66	20.09			
	12	13	20.68	20.74	20.11			
	25	0	20.76	20.81	20.45			
LTE Band 2 - 10MHz Bandwidth								
Modulation	RB Size	RB Offset	Average Power (dBm)			Ant. Gain (dBi)	Max. EIRP (dBm)	EIRP Limit (dBm)
			18650	18900	19150			
			1855.0MHz	1880.0MHz	1905.0MHz			
QPSK	1	0	22.63	22.41	22.16	0.77	24.00	33
	1	24	23.23	22.55	22.30			
	1	49	22.92	22.73	22.21			
	25	0	21.93	21.81	21.22			
	25	24	21.86	21.45	21.44			
	25	49	21.91	21.45	21.16			
	50	0	22.06	21.75	21.15			
16QAM	1	0	21.65	21.37	21.23	0.77	22.77	33
	1	24	22.00	21.62	21.52			
	1	49	21.85	21.33	21.27			
	25	0	21.12	20.50	20.33			
	25	24	20.82	20.47	20.23			
	25	49	20.72	20.70	20.12			
	50	0	21.10	20.45	20.12			

LTE Band 2 - 15MHz Bandwidth								
Modulation	RB Size	RB Offset	Average Power (dBm)			Ant. Gain (dBi)	Max. EIRP (dBm)	EIRP Limit (dBm)
			18675	18900	19125			
			1857.5MHz	1880.0MHz	1902.5MHz			
QPSK	1	0	22.67	22.49	22.39	0.77	23.57	33
	1	38	22.68	22.67	22.19			
	1	74	22.80	22.28	21.94			
	38	0	21.74	21.71	21.47			
	38	18	22.15	21.58	21.62			
	38	37	21.71	21.59	21.40			
	75	0	22.15	21.55	21.58			
16QAM	1	0	21.66	21.66	21.39	0.77	22.83	33
	1	38	22.06	21.61	21.52			
	1	74	21.85	21.69	21.16			
	38	0	21.93	21.55	21.42			
	38	18	21.83	21.43	21.25			
	38	37	22.06	21.80	21.52			
	75	0	20.83	20.67	20.65			
LTE Band 2 - 20MHz Bandwidth								
Modulation	RB Size	RB Offset	Average Power (dBm)			Ant. Gain (dBi)	Max. EIRP (dBm)	EIRP Limit (dBm)
			18700	18900	19100			
			1860.0MHz	1880.0MHz	1900.0MHz			
QPSK	1	0	22.70	22.43	22.33	0.77	23.84	33
	1	49	23.07	22.48	22.23			
	1	99	22.61	22.73	22.43			
	50	0	22.13	21.35	21.44			
	50	25	21.91	21.60	21.48			
	50	50	21.89	21.71	21.36			
	100	0	21.67	21.43	21.34			
16QAM	1	0	21.53	21.91	21.59	0.77	22.79	33
	1	49	22.02	21.63	21.30			
	1	99	21.28	21.69	20.92			
	50	0	21.15	20.59	20.52			
	50	25	20.65	20.59	20.59			
	50	50	20.83	20.76	20.40			
	100	0	20.95	20.54	20.43			

LTE Band 4 - 1.4MHz Bandwidth								
Modulation	RB Size	RB Offset	Average Power (dBm)			Ant. Gain (dBi)	Max. EIRP (dBm)	EIRP Limit (dBm)
			19957	20175	20393			
			1710.7MHz	1732.5MHz	1754.3MHz			
QPSK	1	0	22.82	23.45	23.14	1.38	24.83	30
	1	2	22.78	23.24	23.06			
	1	5	23.30	22.83	22.72			
	3	0	23.11	22.96	22.84			
	3	1	23.32	22.81	23.04			
	3	2	23.45	22.90	22.80			
	6	0	22.40	21.93	22.30			
16QAM	1	0	22.09	21.84	21.76	1.38	23.72	30
	1	2	22.40	21.84	21.88			
	1	5	22.10	21.84	21.81			
	3	0	22.16	21.91	21.82			
	3	1	22.29	21.62	21.96			
	3	2	22.05	21.79	22.00			
	6	0	21.25	20.70	20.97			
LTE Band 4 - 3MHz Bandwidth								
Modulation	RB Size	RB Offset	Average Power (dBm)			Ant. Gain (dBi)	Max. EIRP (dBm)	EIRP Limit (dBm)
			19965	20175	20385			
			1711.5MHz	1732.5MHz	1753.5MHz			
QPSK	1	0	22.67	22.89	23.21	1.38	24.63	30
	1	8	22.51	22.87	22.94			
	1	14	22.91	23.02	23.25			
	8	0	21.93	21.85	21.82			
	8	4	21.72	22.25	22.30			
	8	7	21.76	22.06	21.87			
	15	0	21.97	21.90	21.94			
16QAM	1	0	21.86	21.64	21.85	1.38	23.67	30
	1	8	21.81	21.67	22.29			
	1	14	21.98	21.93	22.08			
	8	0	20.65	20.91	21.09			
	8	4	20.92	21.06	21.19			
	8	7	20.80	21.15	20.83			
	15	0	20.92	20.73	20.99			

LTE Band 4 - 5MHz Bandwidth								
Modulation	RB Size	RB Offset	Average Power (dBm)			Ant. Gain (dBi)	Max. EIRP (dBm)	EIRP Limit (dBm)
			19975	20175	20375			
			1712.5MHz	1732.5MHz	1752.5MHz			
QPSK	1	0	22.88	22.84	23.08	1.38	24.52	30
	1	12	23.08	23.03	22.98			
	1	24	23.14	22.87	23.09			
	12	0	21.64	22.03	21.84			
	12	7	21.90	22.23	22.27			
	12	13	21.61	22.01	21.88			
	25	0	21.87	21.96	22.04			
16QAM	1	0	21.50	21.90	21.95	1.38	23.43	30
	1	12	21.70	21.98	22.05			
	1	24	21.88	21.79	21.99			
	12	0	21.05	21.09	21.09			
	12	7	20.53	20.92	21.17			
	12	13	20.82	20.79	21.02			
	25	0	20.73	21.25	20.98			
LTE Band 4 - 10MHz Bandwidth								
Modulation	RB Size	RB Offset	Average Power (dBm)			Ant. Gain (dBi)	Max. EIRP (dBm)	EIRP Limit (dBm)
			20000	20175	20350			
			1715.0MHz	1732.5MHz	1750.0MHz			
QPSK	1	0	22.98	23.16	23.21	1.38	24.60	30
	1	24	23.07	23.14	23.14			
	1	49	23.01	23.22	22.91			
	25	0	21.88	21.86	21.88			
	25	24	21.94	22.34	21.99			
	25	49	21.87	22.02	21.82			
	50	0	22.04	21.99	22.13			
16QAM	1	0	22.00	21.97	22.22	1.38	23.63	30
	1	24	22.07	21.82	22.05			
	1	49	22.25	22.03	22.20			
	25	0	20.75	21.15	20.92			
	25	24	20.71	21.07	20.92			
	25	49	20.91	20.97	21.25			
	50	0	21.13	20.93	20.95			

LTE Band 4 - 15MHz Bandwidth								
Modulation	RB Size	RB Offset	Average Power (dBm)			Ant. Gain (dBi)	Max. EIRP (dBm)	EIRP Limit (dBm)
			20025	20175	20325			
			1717.5MHz	1732.5MHz	1747.5MHz			
QPSK	1	0	22.66	22.87	23.02	1.38	24.53	30
	1	38	23.06	23.15	22.98			
	1	74	23.05	22.66	22.77			
	38	0	22.09	21.99	21.98			
	38	18	22.14	22.38	22.14			
	38	37	22.10	22.05	22.24			
	75	0	21.86	22.19	21.87			
16QAM	1	0	21.82	21.83	21.94	1.38	23.64	30
	1	38	21.81	21.98	22.25			
	1	74	22.04	22.25	21.97			
	38	0	22.11	22.05	22.08			
	38	18	22.24	22.23	22.26			
	38	37	21.77	21.93	22.09			
	75	0	21.14	20.91	20.90			
LTE Band 4 - 20MHz Bandwidth								
Modulation	RB Size	RB Offset	Average Power (dBm)			Ant. Gain (dBi)	Max. EIRP (dBm)	EIRP Limit (dBm)
			20050	20175	20300			
			1720.0MHz	1732.5MHz	1745.0MHz			
QPSK	1	0	22.84	23.05	22.66	1.38	24.68	30
	1	49	23.30	22.95	22.97			
	1	99	22.84	23.01	23.02			
	50	0	21.79	21.95	21.94			
	50	25	22.26	21.75	22.12			
	50	50	22.31	21.99	22.19			
	100	0	22.27	22.22	21.84			
16QAM	1	0	21.70	22.27	21.81	1.38	23.65	30
	1	49	21.92	22.10	21.87			
	1	99	21.94	22.16	22.17			
	50	0	20.95	21.00	21.17			
	50	25	21.01	21.26	20.88			
	50	50	21.25	20.95	21.19			
	100	0	20.88	21.22	21.17			

LTE Band 5 - 1.4MHz Bandwidth								
Modulation	RB Size	RB Offset	Average Power (dBm)			Ant. Gain (dBi)	Max. ERP (dBm)	ERP Limit (dBm)
			20407	20525	20643			
			824.7MHz	836.5MHz	848.3MHz			
QPSK	1	0	23.16	23.05	22.56	1.20	24.61	38.45
	1	2	23.29	23.14	23.06			
	1	5	23.39	23.24	22.63			
	3	0	23.00	23.13	22.80			
	3	1	23.25	23.41	23.15			
	3	2	22.93	23.37	22.82			
	6	0	22.12	22.03	21.74			
16QAM	1	0	22.26	22.23	21.79	1.20	23.60	38.45
	1	2	22.40	22.21	21.65			
	1	5	21.89	21.97	21.50			
	3	0	22.00	21.95	21.90			
	3	1	21.78	22.13	21.81			
	3	2	21.69	22.16	21.81			
	6	0	20.93	21.03	20.70			
LTE Band 5 - 3MHz Bandwidth								
Modulation	RB Size	RB Offset	Average Power (dBm)			Ant. Gain (dBi)	Max. ERP (dBm)	ERP Limit (dBm)
			20415	20525	20635			
			825.5MHz	836.5MHz	847.5MHz			
QPSK	1	0	23.05	22.94	22.87	1.20	24.43	38.45
	1	8	22.89	22.94	22.97			
	1	14	23.23	22.88	22.99			
	8	0	21.72	22.06	22.08			
	8	4	22.01	22.17	21.86			
	8	7	21.86	22.30	22.13			
	15	0	21.97	22.14	22.04			
16QAM	1	0	22.09	22.31	21.95	1.20	23.51	38.45
	1	8	22.18	21.90	21.70			
	1	14	21.97	21.91	21.78			
	8	0	21.19	21.03	20.90			
	8	4	21.17	21.00	20.78			
	8	7	20.81	21.17	20.79			
	15	0	21.09	21.01	21.01			

LTE Band 5 - 5MHz Bandwidth								
Modulation	RB Size	RB Offset	Average Power (dBm)			Ant. Gain (dBi)	Max. ERP (dBm)	ERP Limit (dBm)
			20425	20525	20625			
			826.5MHz	836.5MHz	846.5MHz			
QPSK	1	0	23.02	22.98	22.71	1.20	24.47	38.45
	1	12	22.99	23.27	23.18			
	1	24	23.24	23.11	22.99			
	12	0	21.70	22.28	22.18			
	12	7	21.69	22.22	21.72			
	12	13	22.18	22.38	21.78			
	25	0	21.92	22.17	21.99			
16QAM	1	0	22.01	22.16	21.73	1.20	23.38	38.45
	1	12	22.09	22.18	21.98			
	1	24	22.06	21.98	22.02			
	12	0	20.61	20.85	20.99			
	12	7	21.02	21.13	21.00			
	12	13	21.15	21.28	21.06			
	25	0	21.10	21.30	21.14			
LTE Band 5 - 10MHz Bandwidth								
Modulation	RB Size	RB Offset	Average Power (dBm)			Ant. Gain (dBi)	Max. ERP (dBm)	ERP Limit (dBm)
			20450	20525	20600			
			829.0MHz	836.5MHz	844.0MHz			
QPSK	1	0	23.16	22.93	22.76	1.20	24.42	38.45
	1	24	23.01	23.22	22.83			
	1	49	22.85	23.17	22.97			
	25	0	22.16	22.22	21.97			
	25	24	22.27	22.08	22.26			
	25	49	22.16	22.32	21.96			
	50	0	21.93	22.29	21.85			
16QAM	1	0	22.11	21.94	21.79	1.20	23.62	38.45
	1	24	22.42	22.21	21.74			
	1	49	22.07	22.07	21.58			
	25	0	21.14	21.32	21.01			
	25	24	21.05	21.20	21.00			
	25	49	20.95	21.28	21.06			
	50	0	21.11	21.17	21.04			

LTE Band 12 - 1.4MHz Bandwidth								
Modulation	RB Size	RB Offset	Average Power (dBm)			Ant. Gain (dBi)	Max. EIRP (dBm)	EIRP Limit (dBm)
			23017	23095	23173			
			699.7MHz	707.5MHz	715.3MHz			
QPSK	1	0	23.26	22.39	22.54	4.05	27.58	34.77
	1	2	23.53	22.52	22.45			
	1	5	22.54	22.57	22.23			
	3	0	22.95	22.44	22.67			
	3	1	22.76	22.47	22.75			
	3	2	22.76	22.63	22.60			
	6	0	21.79	21.61	21.58			
16QAM	1	0	22.15	21.24	21.33	4.05	26.20	34.77
	1	2	22.04	21.50	21.61			
	1	5	21.72	21.57	21.14			
	3	0	21.41	21.41	21.64			
	3	1	21.45	21.37	21.66			
	3	2	21.85	21.37	21.46			
	6	0	20.53	20.55	20.36			
LTE Band 12 - 3MHz Bandwidth								
Modulation	RB Size	RB Offset	Average Power (dBm)			Ant. Gain (dBi)	Max. EIRP (dBm)	EIRP Limit (dBm)
			23025	23095	23165			
			700.5MHz	707.5MHz	714.5MHz			
QPSK	1	0	22.58	22.96	22.44	4.05	27.04	34.77
	1	8	22.99	22.48	22.79			
	1	14	22.56	22.60	22.37			
	8	0	21.87	21.61	21.55			
	8	4	21.87	21.57	21.48			
	8	7	22.09	21.78	21.72			
	15	0	22.02	21.42	21.67			
16QAM	1	0	21.98	21.41	21.33	4.05	26.09	34.77
	1	8	21.78	21.75	21.55			
	1	14	22.04	21.65	21.58			
	8	0	21.08	20.45	20.65			
	8	4	20.65	20.52	20.42			
	8	7	20.78	20.40	20.40			
	15	0	20.70	20.67	20.47			

LTE Band 12 - 5MHz Bandwidth								
Modulation	RB Size	RB Offset	Average Power (dBm)			Ant. Gain (dBi)	Max. ERP (dBm)	ERP Limit (dBm)
			23035	23095	23155			
			701.5MHz	707.5MHz	713.5MHz			
QPSK	1	0	22.82	22.86	22.37	4.05	26.94	34.77
	1	12	22.78	22.55	22.89			
	1	24	22.72	22.69	22.37			
	12	0	21.67	21.83	21.52			
	12	7	21.99	21.55	21.73			
	12	13	21.74	21.71	21.88			
	25	0	21.96	21.89	21.69			
16QAM	1	0	21.53	21.78	21.34	4.05	25.88	34.77
	1	12	21.62	21.83	21.63			
	1	24	21.44	21.78	21.33			
	12	0	20.62	20.78	20.80			
	12	7	21.05	20.34	20.65			
	12	13	20.62	20.68	20.89			
	25	0	20.84	20.38	20.46			
LTE Band 12 - 10MHz Bandwidth								
Modulation	RB Size	RB Offset	Average Power (dBm)			Ant. Gain (dBi)	Max. ERP (dBm)	ERP Limit (dBm)
			23060	23095	23130			
			704.0MHz	707.5MHz	711.0MHz			
QPSK	1	0	22.62	22.77	22.74	4.05	26.94	34.77
	1	24	22.74	22.49	22.89			
	1	49	22.54	22.65	22.73			
	25	0	21.63	21.71	21.54			
	25	24	21.70	21.60	21.54			
	25	49	21.92	21.70	21.46			
	50	0	22.10	21.79	21.68			
16QAM	1	0	21.66	21.52	21.56	4.05	26.22	34.77
	1	24	22.17	21.42	21.65			
	1	49	21.38	21.61	21.58			
	25	0	20.84	20.69	20.43			
	25	24	20.65	20.71	20.48			
	25	49	20.95	20.60	20.43			
	50	0	20.85	20.37	20.49			

LTE Band 13 - 5MHz Bandwidth								
Modulation	RB Size	RB Offset	Average Power (dBm)			Ant. Gain (dBi)	Max. ERP (dBm)	ERP Limit (dBm)
			23205	23230	23255			
			779.5MHz	782.0MHz	784.5MHz			
QPSK	1	0	23.42	22.72	22.70	3.13	26.55	34.77
	1	12	23.21	23.11	23.17			
	1	24	23.05	22.83	22.80			
	12	0	22.06	21.97	22.05			
	12	7	22.24	21.96	21.89			
	12	13	22.24	22.03	21.96			
	25	0	21.66	21.88	21.89			
16QAM	1	0	22.52	21.48	21.50	3.13	25.65	34.77
	1	12	22.37	21.90	21.90			
	1	24	22.47	21.79	21.75			
	12	0	21.58	20.85	21.07			
	12	7	21.31	20.70	20.96			
	12	13	21.20	21.05	20.90			
	25	0	20.74	20.79	20.98			
LTE Band 13 - 10MHz Bandwidth								
Modulation	RB Size	RB Offset	Average Power (dBm)			Ant. Gain (dBi)	Max. ERP (dBm)	ERP Limit (dBm)
			/	23230	/			
			/	782.0MHz	/			
QPSK	1	0	/	22.70	/	3.13	25.98	34.77
	1	24	/	22.84	/			
	1	49	/	22.85	/			
	25	0	/	21.84	/			
	25	24	/	22.00	/			
	25	49	/	21.99	/			
	50	0	/	21.70	/			
16QAM	1	0	/	21.70	/	3.13	25.05	34.77
	1	24	/	21.92	/			
	1	49	/	21.85	/			
	25	0	/	21.01	/			
	25	24	/	20.92	/			
	25	49	/	21.01	/			
	50	0	/	20.95	/			

LTE Band 14 - 5MHz Bandwidth								
Modulation	RB Size	RB Offset	Average Power (dBm)			Ant. Gain (dBi)	Max. ERP (dBm)	ERP Limit (dBm)
			23305	23330	23355			
			790.5MHz	793.0MHz	795.5MHz			
QPSK	1	0	22.36	22.61	22.01	2.29	25.29	34.77
	1	12	23.00	22.04	22.02			
	1	24	22.58	22.48	22.48			
	12	0	21.79	21.17	21.26			
	12	7	21.88	21.61	21.36			
	12	13	21.64	21.49	21.13			
	25	0	21.51	20.92	21.17			
16QAM	1	0	21.60	21.66	20.61	2.29	23.95	34.77
	1	12	21.55	21.65	21.04			
	1	24	21.38	21.31	21.34			
	12	0	20.71	20.59	20.11			
	12	7	21.04	20.44	20.51			
	12	13	20.29	20.31	20.01			
	25	0	20.50	20.11	20.35			
LTE Band 14 - 10MHz Bandwidth								
Modulation	RB Size	RB Offset	Average Power (dBm)			Ant. Gain (dBi)	Max. ERP (dBm)	ERP Limit (dBm)
			/	23330	/			
			/	793.0MHz	/			
QPSK	1	0	/	22.67	/	2.29	24.96	34.77
	1	24	/	22.46	/			
	1	49	/	21.96	/			
	25	0	/	21.38	/			
	25	24	/	21.43	/			
	25	49	/	21.13	/			
	50	0	/	21.21	/			
16QAM	1	0	/	21.34	/	2.29	23.63	34.77
	1	24	/	21.24	/			
	1	49	/	20.91	/			
	25	0	/	20.32	/			
	25	24	/	20.34	/			
	25	49	/	20.42	/			
	50	0	/	20.18	/			

LTE Band 66 - 1.4MHz Bandwidth								
Modulation	RB Size	RB Offset	Average Power (dBm)			Ant. Gain (dBi)	Max. EIRP (dBm)	EIRP Limit (dBm)
			131979	132322	132665			
			1710.7MHz	1745.0MHz	1779.3MHz			
QPSK	1	0	22.84	22.79	22.92	1.38	24.68	30
	1	2	22.99	23.27	22.94			
	1	5	22.76	23.16	23.03			
	3	0	22.73	22.80	23.03			
	3	1	22.96	22.80	23.20			
	3	2	22.84	22.84	23.30			
	6	0	21.66	22.18	22.16			
16QAM	1	0	21.34	21.93	22.04	1.38	23.46	30
	1	2	21.94	22.04	22.08			
	1	5	21.39	21.68	21.74			
	3	0	21.56	21.88	21.97			
	3	1	21.88	21.77	22.06			
	3	2	21.86	21.90	21.82			
	6	0	20.62	21.00	21.11			
LTE Band 66 - 3MHz Bandwidth								
Modulation	RB Size	RB Offset	Average Power (dBm)			Ant. Gain (dBi)	Max. EIRP (dBm)	EIRP Limit (dBm)
			131987	132322	132657			
			1711.5MHz	1745.0MHz	1778.5MHz			
QPSK	1	0	22.62	22.87	23.10	1.38	24.58	30
	1	8	22.77	22.81	23.20			
	1	14	22.87	23.00	22.99			
	8	0	21.73	22.20	22.07			
	8	4	21.86	22.13	22.04			
	8	7	21.80	22.02	22.16			
	15	0	21.92	21.82	21.83			
16QAM	1	0	21.89	22.04	22.26	1.38	23.69	30
	1	8	22.01	21.93	22.06			
	1	14	21.89	22.31	22.31			
	8	0	21.01	20.99	21.12			
	8	4	21.04	20.83	20.98			
	8	7	20.77	21.16	21.12			
	15	0	20.64	20.85	20.94			

LTE Band 66 - 5MHz Bandwidth								
Modulation	RB Size	RB Offset	Average Power (dBm)			Ant. Gain (dBi)	Max. EIRP (dBm)	EIRP Limit (dBm)
			131997	132322	132647			
			1712.5MHz	1745.0MHz	1777.5MHz			
QPSK	1	0	22.62	22.95	22.91	1.38	24.70	30
	1	12	22.85	23.32	23.00			
	1	24	22.88	22.99	22.97			
	12	0	21.89	22.13	22.05			
	12	7	22.02	21.82	22.19			
	12	13	21.64	21.94	21.86			
	25	0	21.91	22.20	22.19			
16QAM	1	0	21.58	22.03	21.87	1.38	23.41	30
	1	12	21.98	21.90	21.92			
	1	24	21.56	21.97	21.91			
	12	0	20.90	21.18	21.05			
	12	7	20.66	20.96	21.04			
	12	13	20.85	20.91	20.99			
	25	0	20.76	20.96	21.36			
LTE Band 66 - 10MHz Bandwidth								
Modulation	RB Size	RB Offset	Average Power (dBm)			Ant. Gain (dBi)	Max. EIRP (dBm)	EIRP Limit (dBm)
			132022	132322	132622			
			1715.0MHz	1745.0MHz	1775.0MHz			
QPSK	1	0	23.01	22.80	22.82	1.38	24.69	30
	1	24	23.20	23.19	23.14			
	1	49	23.31	23.06	23.15			
	25	0	22.30	21.75	21.98			
	25	24	22.40	21.65	21.86			
	25	49	22.58	21.99	22.10			
	50	0	21.90	21.83	22.08			
16QAM	1	0	21.83	21.92	21.88	1.38	23.64	30
	1	24	22.26	21.91	21.83			
	1	49	22.17	21.67	21.79			
	25	0	21.14	20.94	21.13			
	25	24	21.21	20.76	20.93			
	25	49	20.62	21.12	20.72			
	50	0	20.67	20.95	21.11			

LTE Band 66 - 15MHz Bandwidth								
Modulation	RB Size	RB Offset	Average Power (dBm)			Ant. Gain (dBi)	Max. EIRP (dBm)	EIRP Limit (dBm)
			132047	132322	132597			
			1717.5MHz	1745.0MHz	1772.5MHz			
QPSK	1	0	22.47	22.93	22.68	1.38	24.51	30
	1	38	23.13	22.89	22.99			
	1	74	23.02	22.85	23.06			
	38	0	21.97	21.93	21.77			
	38	18	22.14	21.91	21.82			
	38	37	22.15	21.93	21.85			
	75	0	22.16	21.83	22.20			
16QAM	1	0	21.84	21.63	22.03	1.38	23.59	30
	1	38	21.80	21.97	22.17			
	1	74	21.82	21.96	22.11			
	38	0	21.77	21.92	22.05			
	38	18	21.77	22.04	21.83			
	38	37	21.83	22.21	21.90			
	75	0	21.05	20.92	20.95			
LTE Band 66 - 20MHz Bandwidth								
Modulation	RB Size	RB Offset	Average Power (dBm)			Ant. Gain (dBi)	Max. EIRP (dBm)	EIRP Limit (dBm)
			132072	132322	132572			
			1720.0MHz	1745.0MHz	1770.0MHz			
QPSK	1	0	22.65	23.11	22.59	1.38	24.80	30
	1	49	23.02	23.42	23.20			
	1	99	22.81	22.86	22.99			
	50	0	21.96	21.89	22.25			
	50	25	22.05	21.81	22.07			
	50	50	22.00	21.90	22.12			
	100	0	21.82	21.96	21.79			
16QAM	1	0	21.81	22.20	21.52	1.38	23.68	30
	1	49	22.01	22.30	22.11			
	1	99	22.12	22.13	22.01			
	50	0	20.76	20.78	20.76			
	50	25	21.25	20.86	21.07			
	50	50	21.36	20.97	20.81			
	100	0	21.22	21.29	21.13			

LTE Band 71 - 5MHz Bandwidth								
Modulation	RB Size	RB Offset	Average Power (dBm)			Ant. Gain (dBi)	Max. EIRP (dBm)	EIRP Limit (dBm)
			133147	133297	133447			
			665.5MHz	680.5MHz	695.5MHz			
QPSK	1	0	21.95	23.03	22.54	4.05	27.42	34.77
	1	12	22.35	23.37	22.35			
	1	24	22.43	23.00	22.31			
	12	0	21.54	21.95	21.97			
	12	7	21.55	22.01	21.79			
	12	13	21.58	21.72	21.57			
	25	0	21.83	22.28	21.81			
16QAM	1	0	21.31	21.69	21.16	4.05	26.23	34.77
	1	12	21.65	22.17	21.35			
	1	24	21.41	21.48	21.51			
	12	0	20.45	20.47	20.94			
	12	7	20.35	20.53	20.74			
	12	13	20.66	20.82	20.35			
	25	0	20.44	21.04	20.68			
LTE Band 71 - 10MHz Bandwidth								
Modulation	RB Size	RB Offset	Average Power (dBm)			Ant. Gain (dBi)	Max. EIRP (dBm)	EIRP Limit (dBm)
			133172	133297	133422			
			668.0MHz	680.5MHz	693.0MHz			
QPSK	1	0	22.09	23.03	22.58	4.05	27.08	34.77
	1	24	22.36	22.77	22.55			
	1	49	22.61	22.72	22.23			
	25	0	21.70	21.82	22.00			
	25	24	21.37	21.85	21.93			
	25	49	21.50	21.89	21.65			
	50	0	21.30	21.99	21.91			
16QAM	1	0	21.09	22.15	21.49	4.05	26.20	34.77
	1	24	21.62	21.55	21.26			
	1	49	21.29	21.46	21.31			
	25	0	20.81	20.84	21.21			
	25	24	20.77	20.70	20.89			
	25	49	20.68	20.81	20.85			
	50	0	20.67	20.61	21.13			

LTE Band 71 - 15MHz Bandwidth								
Modulation	RB Size	RB Offset	Average Power (dBm)			Ant. Gain (dBi)	Max. EIRP (dBm)	EIRP Limit (dBm)
			133197	133297	133397			
			670.5MHz	680.5MHz	690.5MHz			
QPSK	1	0	22.65	22.77	22.68	4.05	27.82	34.77
	1	38	22.30	22.31	21.85			
	1	74	22.03	22.22	21.89			
	38	0	21.12	21.63	21.56			
	38	18	20.95	21.58	21.60			
	38	37	21.04	21.32	21.65			
	75	0	21.60	21.29	21.60			
16QAM	1	0	21.40	21.83	21.82	4.05	26.03	34.77
	1	38	21.07	21.78	21.59			
	1	74	21.16	21.64	21.77			
	38	0	21.52	21.40	21.52			
	38	18	21.52	21.52	21.97			
	38	37	21.06	21.98	21.82			
	75	0	20.73	20.68	20.70			
LTE Band 71 - 20MHz Bandwidth								
Modulation	RB Size	RB Offset	Average Power (dBm)			Ant. Gain (dBi)	Max. EIRP (dBm)	EIRP Limit (dBm)
			133197	133297	133397			
			670.5MHz	680.5MHz	690.5MHz			
QPSK	1	0	22.62	23.17	22.39	4.05	27.22	34.77
	1	49	22.74	22.48	23.08			
	1	99	22.36	22.11	22.94			
	50	0	21.58	21.31	21.64			
	50	25	21.28	21.26	21.51			
	50	50	21.74	21.28	21.62			
	100	0	21.54	21.37	21.40			
16QAM	1	0	21.58	21.81	21.45	4.05	26.93	34.77
	1	49	21.40	21.88	21.02			
	1	99	21.36	21.87	20.92			
	50	0	20.51	20.74	20.41			
	50	25	20.74	20.67	20.38			
	50	50	20.71	20.30	20.77			
	100	0	20.60	20.67	20.62			

Note: All bandwidth and modulation are tested, only the worst result is reported.

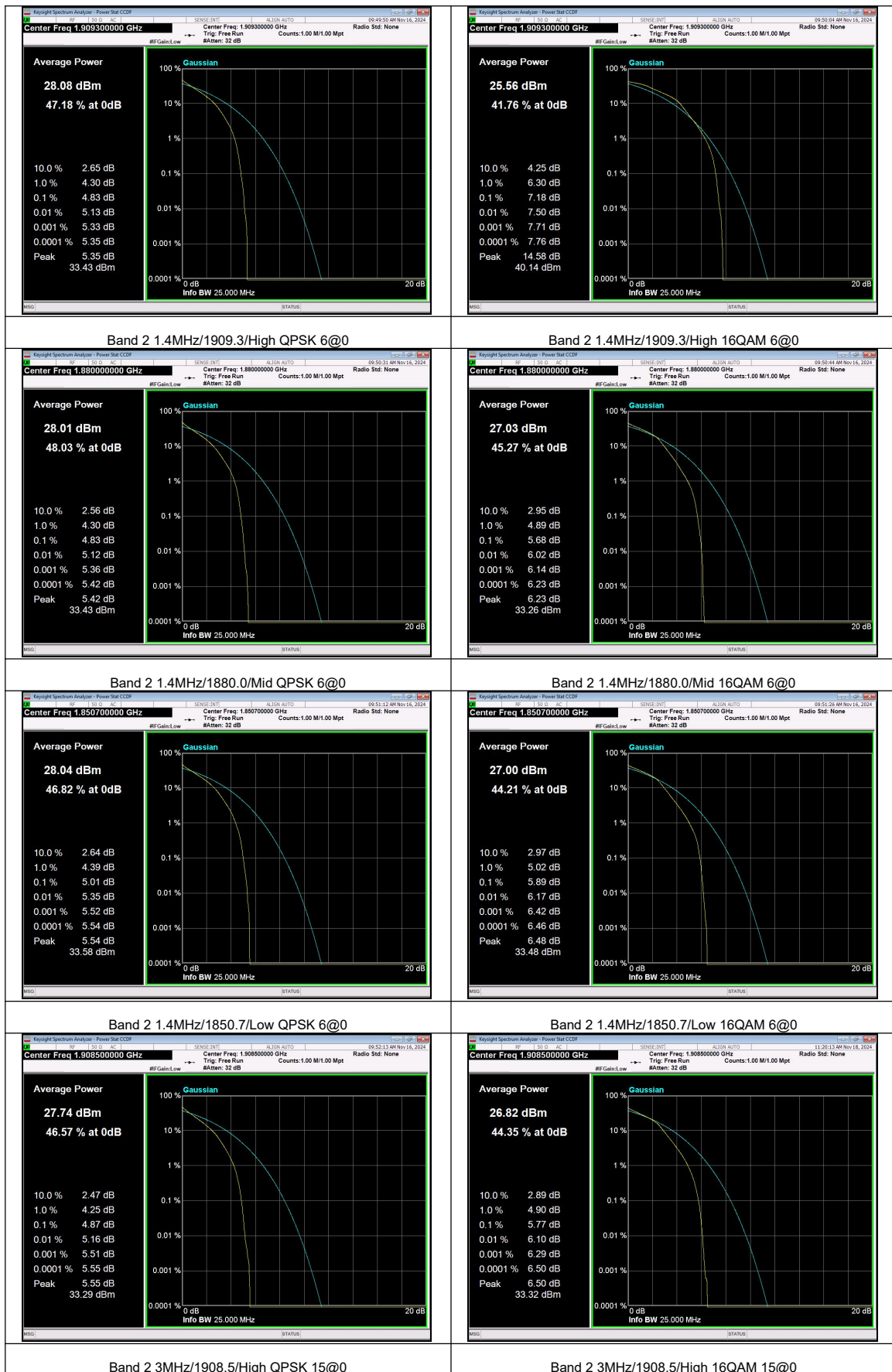
D.2 PEAK TO AVERAGE RATIO

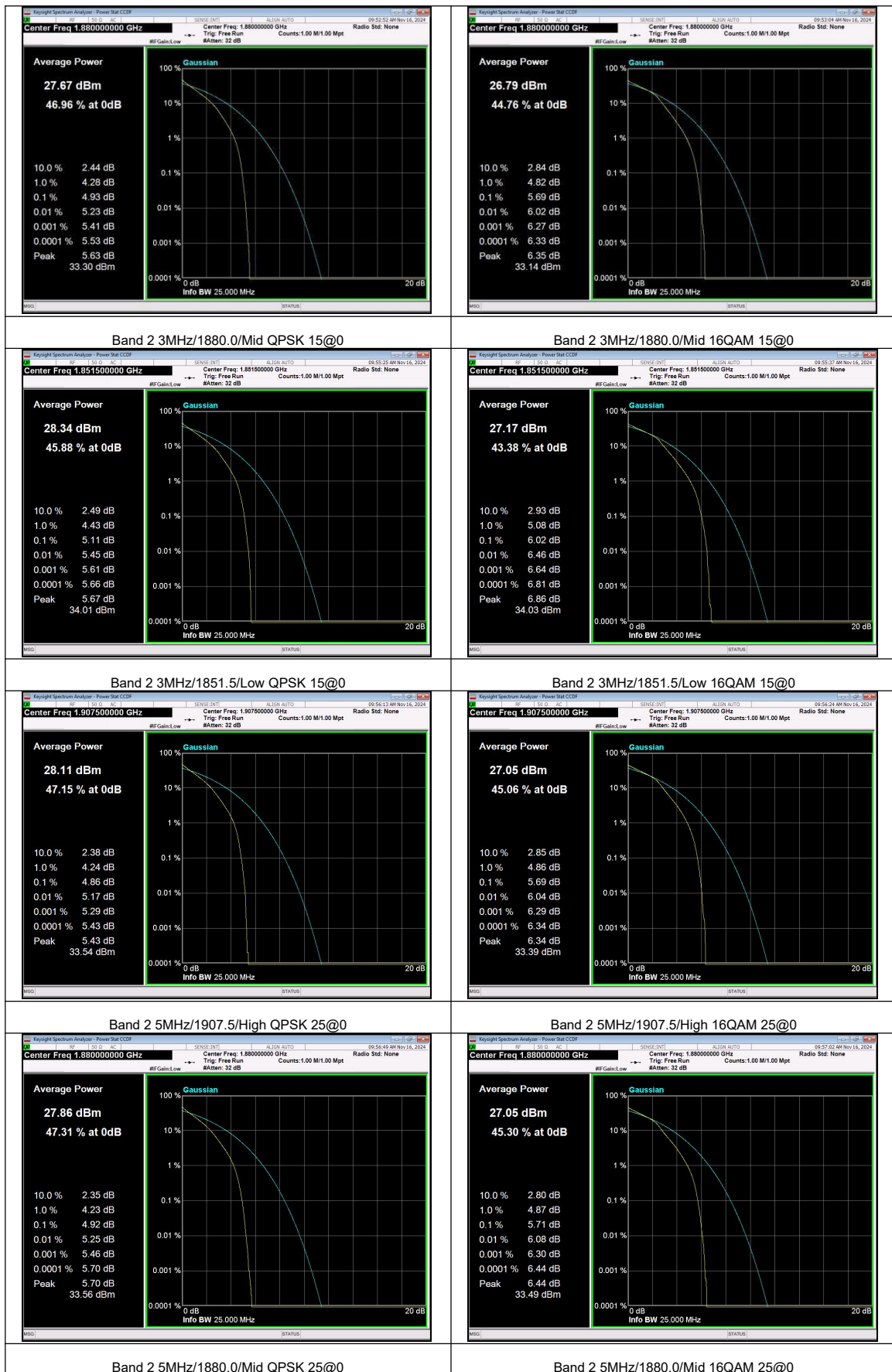
Band	Bandwidth (MHz)	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
2	1.4	1909.3	QPSK	6@0	4.83	13	PASS
2	1.4	1909.3	16QAM	6@0	7.18	13	PASS
2	1.4	1880	QPSK	6@0	4.83	13	PASS
2	1.4	1880	16QAM	6@0	5.68	13	PASS
2	1.4	1850.7	QPSK	6@0	5.01	13	PASS
2	1.4	1850.7	16QAM	6@0	5.89	13	PASS
2	3	1908.5	QPSK	15@0	4.87	13	PASS
2	3	1908.5	16QAM	15@0	5.77	13	PASS
2	3	1880	QPSK	15@0	4.93	13	PASS
2	3	1880	16QAM	15@0	5.69	13	PASS
2	3	1851.5	QPSK	15@0	5.11	13	PASS
2	3	1851.5	16QAM	15@0	6.02	13	PASS
2	5	1907.5	QPSK	25@0	4.86	13	PASS
2	5	1907.5	16QAM	25@0	5.69	13	PASS
2	5	1880	QPSK	25@0	4.92	13	PASS
2	5	1880	16QAM	25@0	5.71	13	PASS
2	5	1852.5	QPSK	25@0	5.16	13	PASS
2	5	1852.5	16QAM	25@0	5.98	13	PASS
2	10	1905	QPSK	50@0	4.89	13	PASS
2	10	1905	16QAM	50@0	5.73	13	PASS
2	10	1880	QPSK	50@0	4.93	13	PASS
2	10	1880	16QAM	50@0	5.72	13	PASS
2	10	1855	QPSK	50@0	5.17	13	PASS
2	10	1855	16QAM	50@0	5.97	13	PASS
2	15	1902.5	QPSK	75@0	5.12	13	PASS
2	15	1902.5	16QAM	75@0	5.85	13	PASS
2	15	1880	QPSK	75@0	5.1	13	PASS
2	15	1880	16QAM	75@0	5.82	13	PASS
2	15	1857.5	QPSK	75@0	5.31	13	PASS
2	15	1857.5	16QAM	75@0	6.05	13	PASS
2	20	1900	QPSK	100@0	5.02	13	PASS
2	20	1900	16QAM	100@0	5.86	13	PASS
2	20	1880	QPSK	100@0	8.45	13	PASS
2	20	1880	16QAM	100@0	5.79	13	PASS
2	20	1860	QPSK	100@0	5.07	13	PASS
2	20	1860	16QAM	100@0	8.46	13	PASS
4	1.4	1754.3	QPSK	6@0	4.77	13	PASS
4	1.4	1754.3	16QAM	6@0	5.53	13	PASS
4	1.4	1732.5	QPSK	6@0	4.91	13	PASS
4	1.4	1732.5	16QAM	6@0	5.75	13	PASS
4	1.4	1710.7	QPSK	6@0	4.42	13	PASS
4	1.4	1710.7	16QAM	6@0	5.26	13	PASS
4	3	1753.5	QPSK	15@0	4.81	13	PASS
4	3	1753.5	16QAM	15@0	5.62	13	PASS
4	3	1732.5	QPSK	15@0	4.98	13	PASS
4	3	1732.5	16QAM	15@0	5.8	13	PASS
4	3	1711.5	QPSK	15@0	4.5	13	PASS
4	3	1711.5	16QAM	15@0	5.29	13	PASS
4	5	1752.5	QPSK	25@0	4.79	13	PASS
4	5	1752.5	16QAM	25@0	5.61	13	PASS
4	5	1732.5	QPSK	25@0	4.99	13	PASS
4	5	1732.5	16QAM	25@0	5.82	13	PASS
4	5	1712.5	QPSK	25@0	4.49	13	PASS
4	5	1712.5	16QAM	25@0	5.26	13	PASS
4	10	1750	QPSK	50@0	4.85	13	PASS
4	10	1750	16QAM	50@0	5.67	13	PASS
4	10	1732.5	QPSK	50@0	4.97	13	PASS
4	10	1732.5	16QAM	50@0	5.76	13	PASS
4	10	1715	QPSK	50@0	4.54	13	PASS
4	10	1715	16QAM	50@0	5.34	13	PASS
4	20	1745	QPSK	100@0	4.98	13	PASS
4	20	1745	16QAM	100@0	5.76	13	PASS
4	20	1732.5	QPSK	100@0	5.04	13	PASS
4	20	1732.5	16QAM	100@0	5.78	13	PASS
4	20	1720	QPSK	100@0	4.78	13	PASS
4	20	1720	16QAM	100@0	5.55	13	PASS
5	1.4	848.3	QPSK	6@0	4.75	13	PASS
5	1.4	848.3	16QAM	6@0	5.59	13	PASS
5	1.4	836.5	QPSK	6@0	5	13	PASS
5	1.4	836.5	16QAM	6@0	5.85	13	PASS
5	1.4	824.7	QPSK	6@0	4.3	13	PASS
5	1.4	824.7	16QAM	6@0	5.3	13	PASS
5	3	847.5	QPSK	15@0	4.98	13	PASS
5	3	847.5	16QAM	15@0	10.26	13	PASS
5	3	836.5	QPSK	15@0	5.08	13	PASS
5	3	836.5	16QAM	15@0	5.94	13	PASS
5	3	825.5	QPSK	15@0	4.43	13	PASS
5	3	825.5	16QAM	15@0	5.36	13	PASS

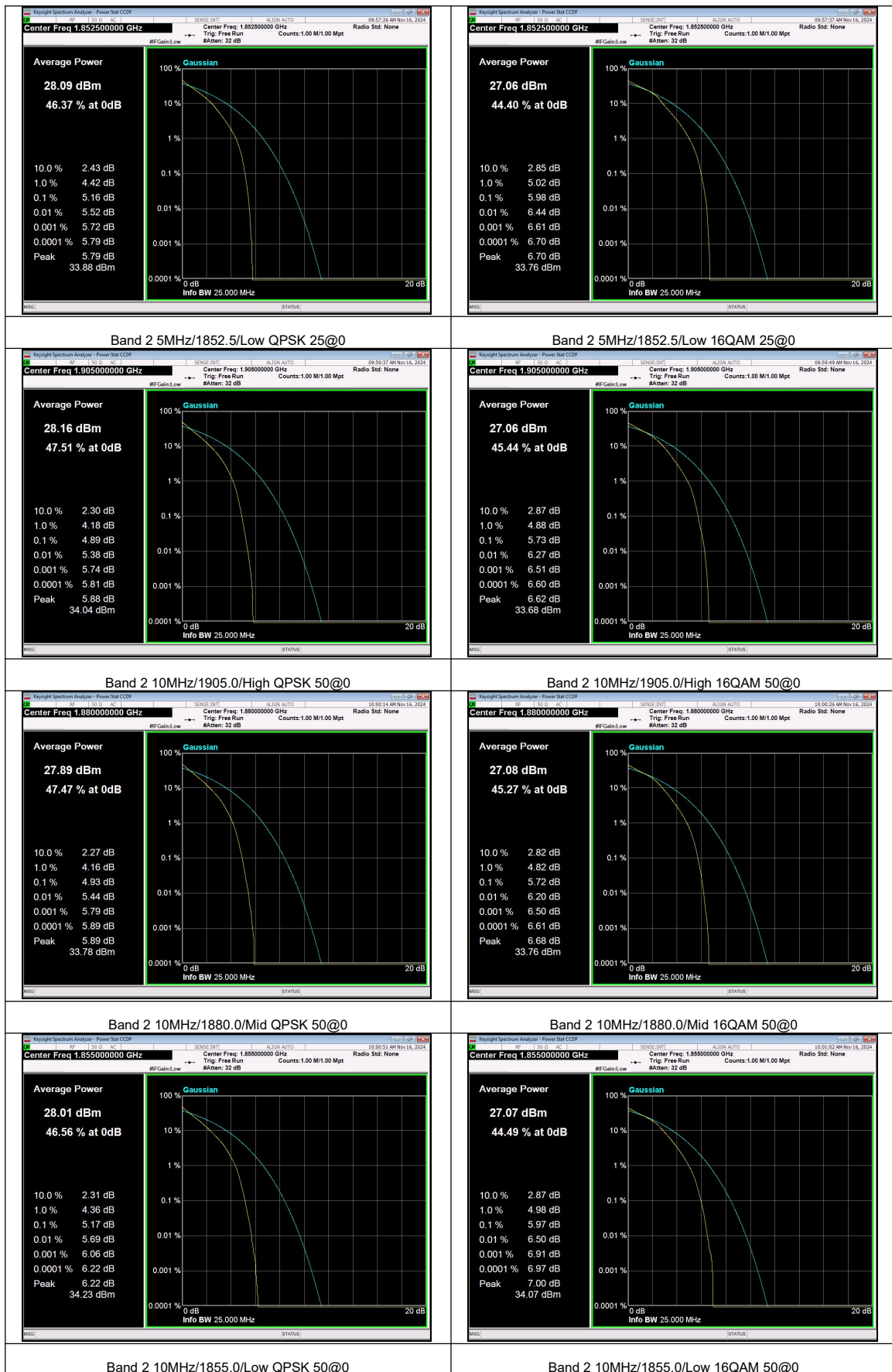
5	5	846.5	QPSK	25@0	4.8	13	PASS
5	5	846.5	16QAM	25@0	5.62	13	PASS
5	5	836.5	QPSK	25@0	5.07	13	PASS
5	5	836.5	16QAM	25@0	5.87	13	PASS
5	5	826.5	QPSK	25@0	4.54	13	PASS
5	5	826.5	16QAM	25@0	5.36	13	PASS
5	10	844	QPSK	50@0	4.74	13	PASS
5	10	844	16QAM	50@0	5.49	13	PASS
5	10	836.5	QPSK	50@0	4.94	13	PASS
5	10	836.5	16QAM	50@0	5.79	13	PASS
5	10	829	QPSK	50@0	4.95	13	PASS
5	10	829	16QAM	50@0	5.72	13	PASS
12	1.4	715.3	QPSK	6@0	4.83	13	PASS
12	1.4	715.3	16QAM	6@0	5.68	13	PASS
12	1.4	707.5	QPSK	6@0	5.04	13	PASS
12	1.4	707.5	16QAM	6@0	5.83	13	PASS
12	1.4	699.7	QPSK	6@0	8.48	13	PASS
12	1.4	699.7	16QAM	6@0	5.79	13	PASS
12	3	714.5	QPSK	15@0	5	13	PASS
12	3	714.5	16QAM	15@0	5.86	13	PASS
12	3	707.5	QPSK	15@0	5.08	13	PASS
12	3	707.5	16QAM	15@0	5.96	13	PASS
12	3	700.5	QPSK	15@0	5.07	13	PASS
12	3	700.5	16QAM	15@0	5.89	13	PASS
12	5	713.5	QPSK	25@0	5.03	13	PASS
12	5	713.5	16QAM	25@0	5.85	13	PASS
12	5	707.5	QPSK	25@0	5.07	13	PASS
12	5	707.5	16QAM	25@0	5.86	13	PASS
12	5	701.5	QPSK	25@0	5.02	13	PASS
12	5	701.5	16QAM	25@0	5.84	13	PASS
12	10	711	QPSK	50@0	5.11	13	PASS
12	10	711	16QAM	50@0	5.89	13	PASS
12	10	707.5	QPSK	50@0	5.16	13	PASS
12	10	707.5	16QAM	50@0	8.45	13	PASS
12	10	704	QPSK	50@0	5.08	13	PASS
12	10	704	16QAM	50@0	5.91	13	PASS
13	5	784.5	QPSK	25@0	4.63	13	PASS
13	5	784.5	16QAM	25@0	5.41	13	PASS
13	5	782	QPSK	25@0	4.74	13	PASS
13	5	782	16QAM	25@0	5.48	13	PASS
13	5	779.5	QPSK	25@0	4.72	13	PASS
13	5	779.5	16QAM	25@0	5.56	13	PASS
13	10	782	QPSK	50@0	4.66	13	PASS
13	10	782	16QAM	50@0	5.62	13	PASS
13	10	782	QPSK	50@0	4.7	13	PASS
13	10	782	16QAM	50@0	5.52	13	PASS
13	10	782	QPSK	50@0	4.68	13	PASS
13	10	782	16QAM	50@0	5.58	13	PASS
14	5	795.5	QPSK	25@0	4.43	13	PASS
14	5	795.5	16QAM	25@0	5.19	13	PASS
14	5	793	QPSK	25@0	4.49	13	PASS
14	5	793	16QAM	25@0	5.33	13	PASS
14	5	790.5	QPSK	25@0	4.6	13	PASS
14	5	790.5	16QAM	25@0	5.41	13	PASS
14	10	793	QPSK	50@0	4.59	13	PASS
14	10	793	16QAM	50@0	5.39	13	PASS
14	10	793	QPSK	50@0	4.54	13	PASS
14	10	793	16QAM	50@0	8.48	13	PASS
14	10	793	QPSK	50@0	4.6	13	PASS
14	10	793	16QAM	50@0	5.4	13	PASS
66	1.4	1779.3	QPSK	6@0	3.71	13	PASS
66	1.4	1779.3	16QAM	6@0	4.37	13	PASS
66	1.4	1745	QPSK	6@0	4.9	13	PASS
66	1.4	1745	16QAM	6@0	5.61	13	PASS
66	1.4	1710.7	QPSK	6@0	8.46	13	PASS
66	1.4	1710.7	16QAM	6@0	5.24	13	PASS
66	3	1778.5	QPSK	15@0	3.76	13	PASS
66	3	1778.5	16QAM	15@0	4.64	13	PASS
66	3	1745	QPSK	15@0	4.96	13	PASS
66	3	1745	16QAM	15@0	5.72	13	PASS
66	3	1711.5	QPSK	15@0	4.38	13	PASS
66	3	1711.5	16QAM	15@0	5.15	13	PASS
66	5	1777.5	QPSK	25@0	3.8	13	PASS
66	5	1777.5	16QAM	25@0	4.63	13	PASS
66	5	1745	QPSK	25@0	4.94	13	PASS
66	5	1745	16QAM	25@0	5.68	13	PASS
66	5	1712.5	QPSK	25@0	4.4	13	PASS
66	5	1712.5	16QAM	25@0	5.2	13	PASS
66	10	1775	QPSK	50@0	4.07	13	PASS
66	10	1775	16QAM	50@0	4.91	13	PASS
66	10	1745	QPSK	50@0	4.89	13	PASS
66	10	1745	16QAM	50@0	5.69	13	PASS

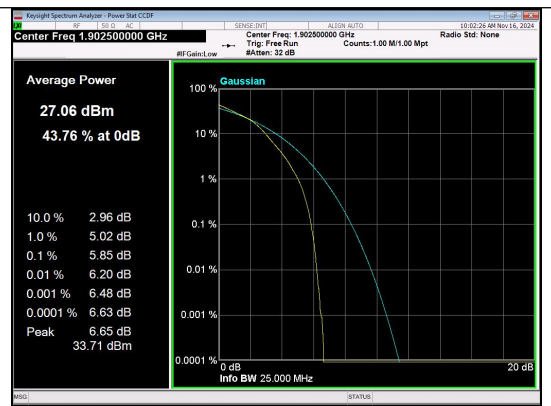
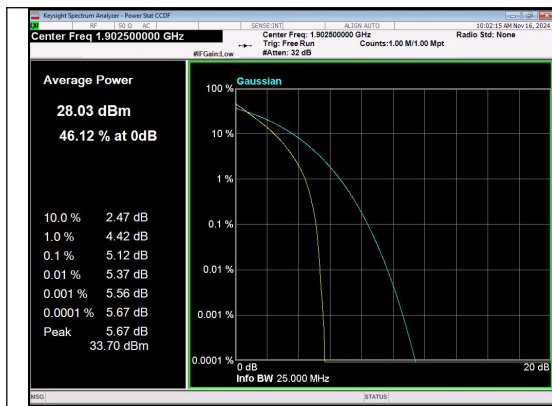
66	10	1715	QPSK	50@0	4.46	13	PASS
66	10	1715	16QAM	50@0	5.29	13	PASS
66	15	1772.5	QPSK	75@0	4.5	13	PASS
66	15	1772.5	16QAM	75@0	5.25	13	PASS
66	15	1745	QPSK	75@0	5.05	13	PASS
66	15	1745	16QAM	75@0	5.72	13	PASS
66	15	1717.5	QPSK	75@0	4.71	13	PASS
66	15	1717.5	16QAM	75@0	5.37	13	PASS
66	20	1770	QPSK	100@0	4.59	13	PASS
66	20	1770	16QAM	100@0	5.32	13	PASS
66	20	1745	QPSK	100@0	4.94	13	PASS
66	20	1745	16QAM	100@0	5.71	13	PASS
66	20	1720	QPSK	100@0	4.73	13	PASS
66	20	1720	16QAM	100@0	5.5	13	PASS
71	5	695.5	QPSK	25@0	4.48	13	PASS
71	5	695.5	16QAM	25@0	5.24	13	PASS
71	5	680.5	QPSK	25@0	4.38	13	PASS
71	5	680.5	16QAM	25@0	5.33	13	PASS
71	5	665.5	QPSK	25@0	4.21	13	PASS
71	5	665.5	16QAM	25@0	5.14	13	PASS
71	10	693	QPSK	50@0	4.06	13	PASS
71	10	693	16QAM	50@0	4.99	13	PASS
71	10	680.5	QPSK	50@0	4.11	13	PASS
71	10	680.5	16QAM	50@0	4.94	13	PASS
71	10	668	QPSK	50@0	4.19	13	PASS
71	10	668	16QAM	50@0	5.03	13	PASS
71	15	690.5	QPSK	75@0	4.28	13	PASS
71	15	690.5	16QAM	75@0	5.11	13	PASS
71	15	680.5	QPSK	75@0	4.12	13	PASS
71	15	680.5	16QAM	75@0	5.00	13	PASS
71	15	670.5	QPSK	75@0	4.12	13	PASS
71	15	670.5	16QAM	75@0	4.96	13	PASS
71	20	688	QPSK	100@0	4.38	13	PASS
71	20	688	16QAM	100@0	5.25	13	PASS
71	20	680.5	QPSK	100@0	4.41	13	PASS
71	20	680.5	16QAM	100@0	5.29	13	PASS
71	20	673	QPSK	100@0	4.16	13	PASS
71	20	673	16QAM	100@0	4.85	13	PASS

Note: All bandwidth and modulation are tested, only the worst result is reported.



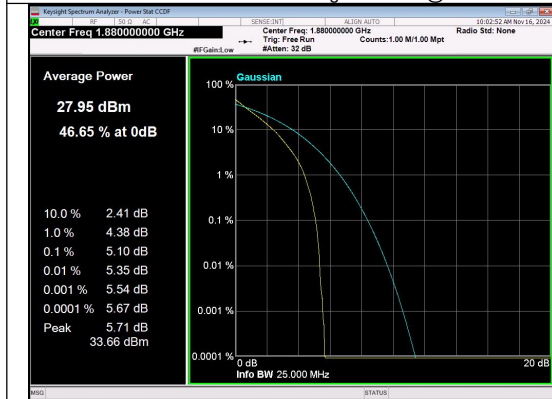






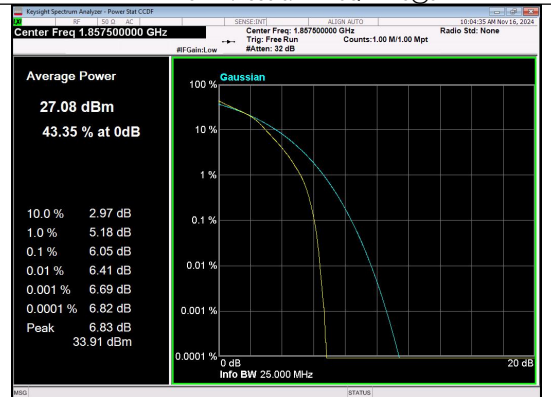
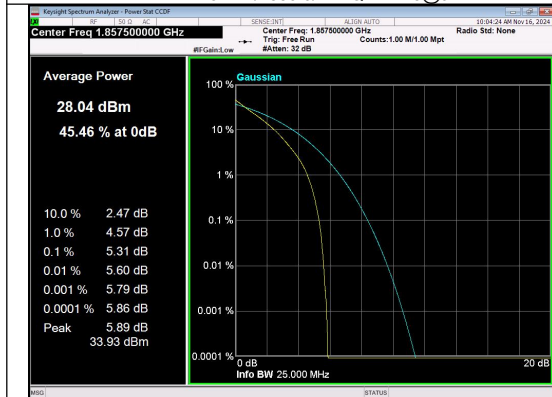
Band 2 15MHz/1902.5/High QPSK 75@0

Band 2 15MHz/1902.5/High 16QAM 75@0



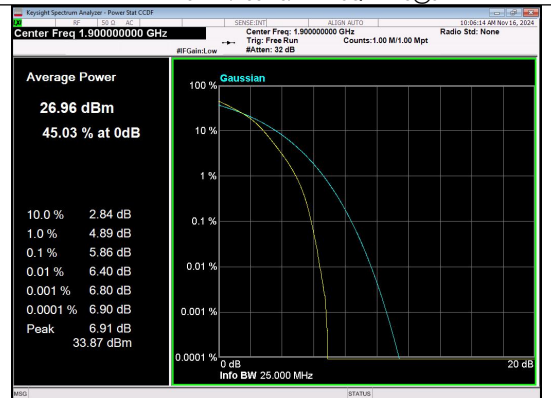
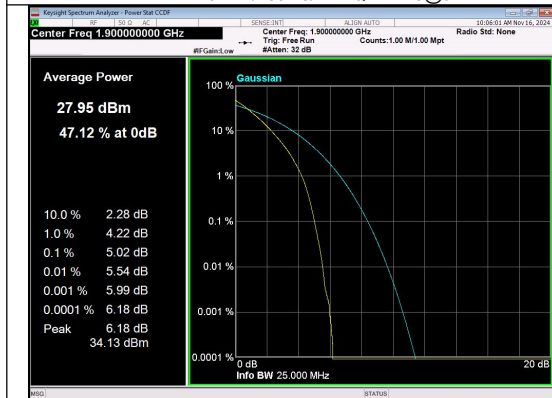
Band 2 15MHz/1880.0/Mid QPSK 75@0

Band 2 15MHz/1880.0/Mid 16QAM 75@0



Band 2 15MHz/1857.5/Low QPSK 75@0

Band 2 15MHz/1857.5/Low 16QAM 75@0



Band 2 20MHz/1900.0/High QPSK 100@0

Band 2 20MHz/1900.0/High 16QAM 100@0

