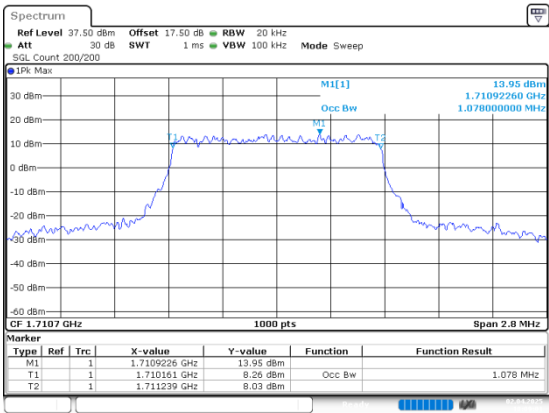


B4 , Normal

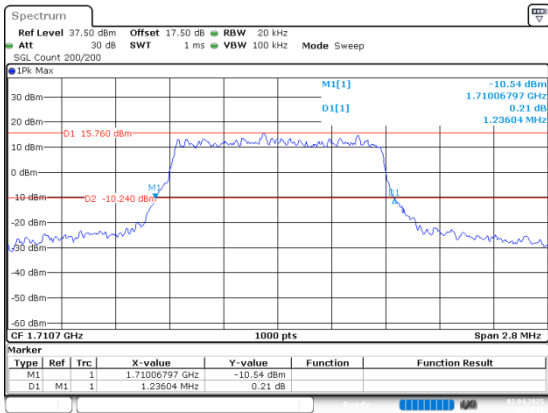
1.4MHz_Low_QPSK_6@0

Occupied Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:09:01

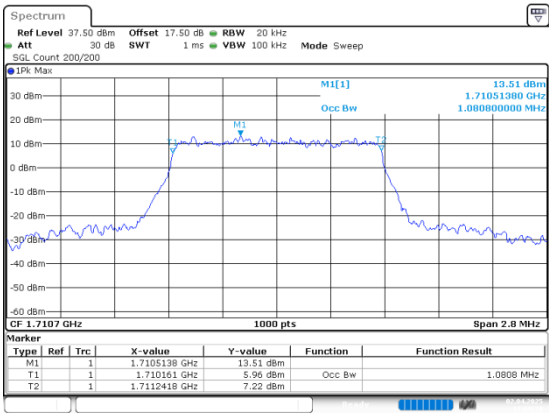
26dB Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:09:11

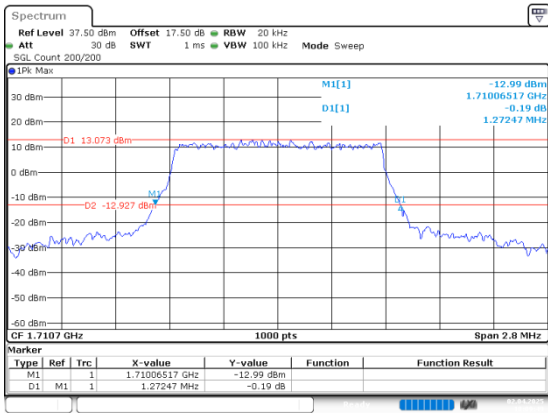
1.4MHz_Low_16QAM_6@0

Occupied Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:09:39

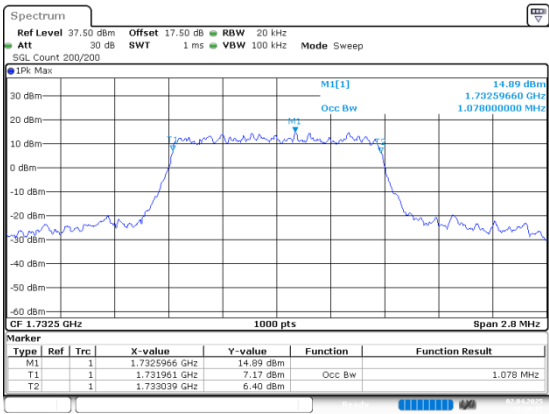
26dB Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:09:49

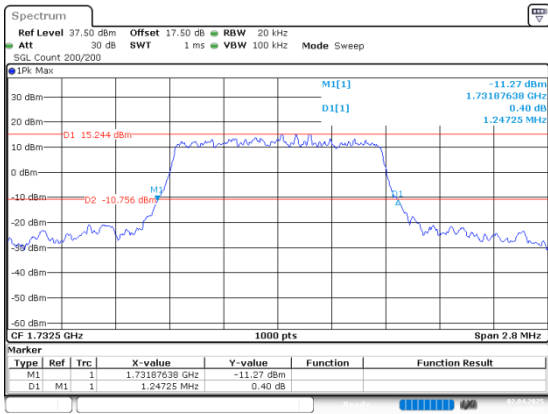
1.4MHz_Middle_QPSK_6@0

Occupied Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:10:17

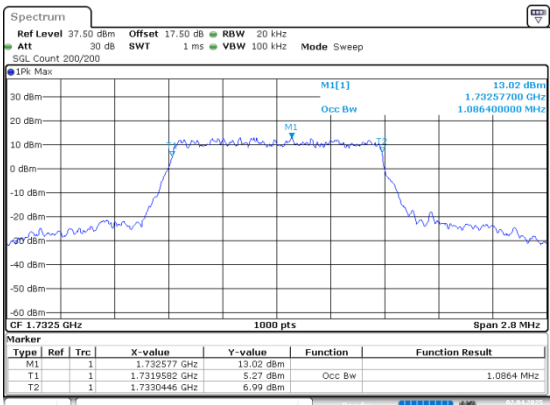
26dB Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:10:27

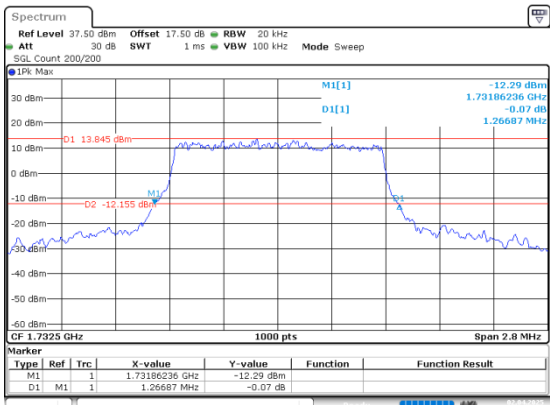
1.4MHz_Middle_16QAM_6@0

Occupied Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:10:57

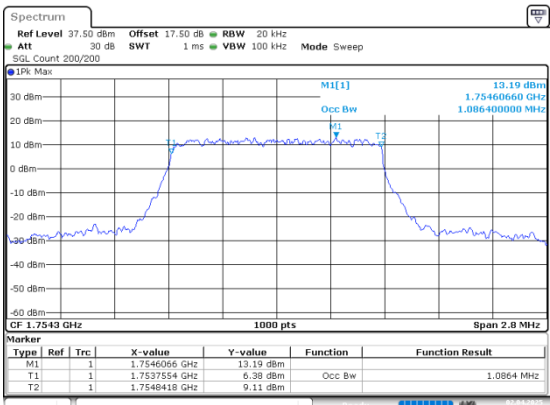
26dB Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:11:07

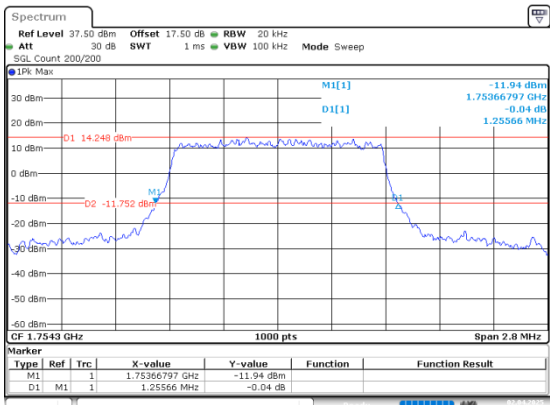
1.4MHz_High_QPSK_6@0

Occupied Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:11:33

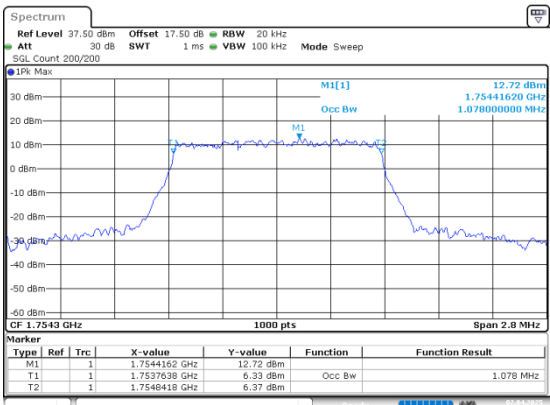
26dB Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:11:42

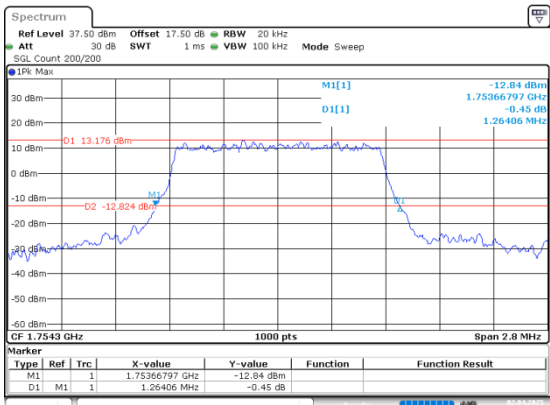
1.4MHz_High_16QAM_6@0

Occupied Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:12:08

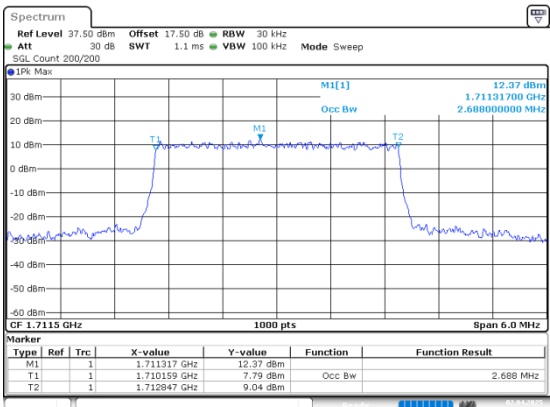
26dB Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:12:17

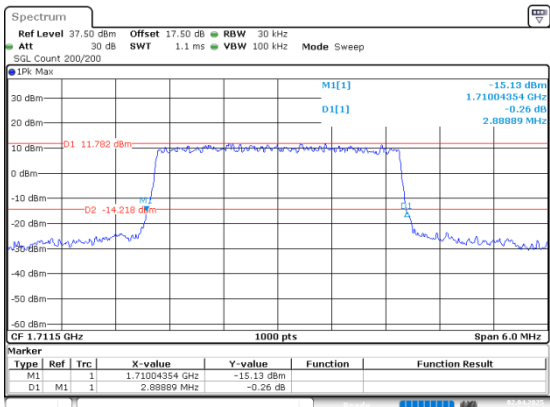
3MHz_Low_QPSK_15@0

Occupied Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:13:09

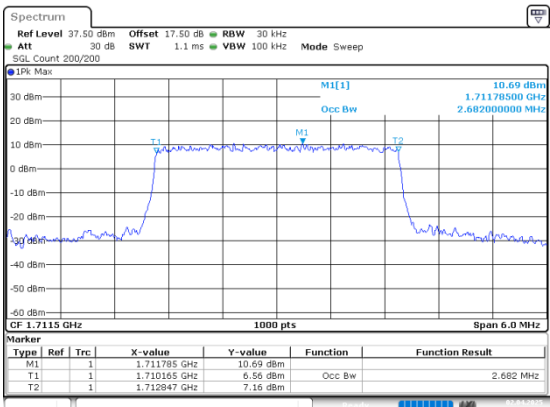
26dB Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:13:19

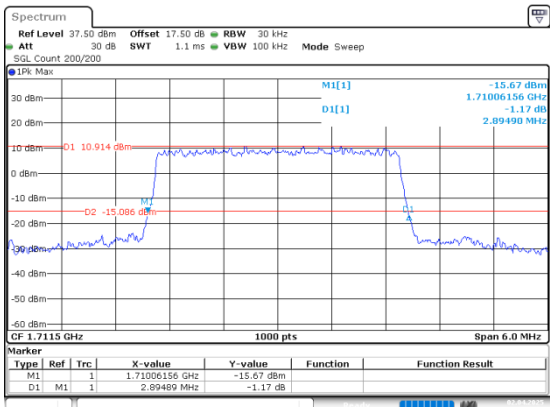
3MHz_Low_16QAM_15@0

Occupied Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:13:42

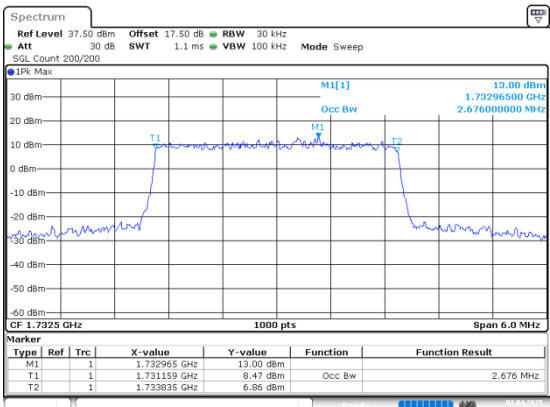
26dB Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:13:51

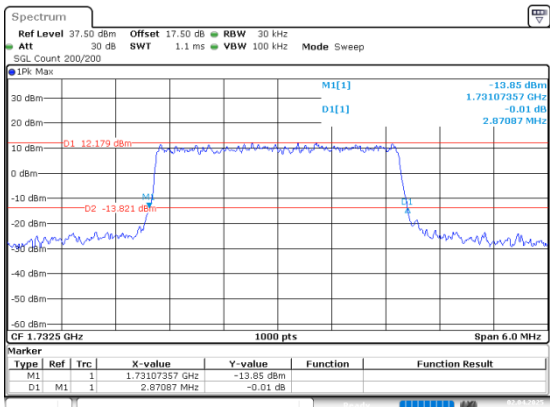
3MHz_Middle_QPSK_15@0

Occupied Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:14:14

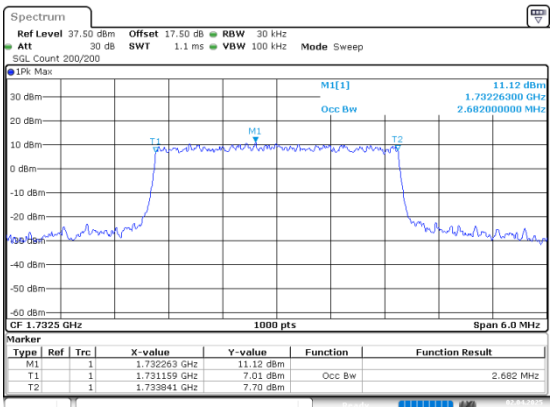
26dB Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:14:24

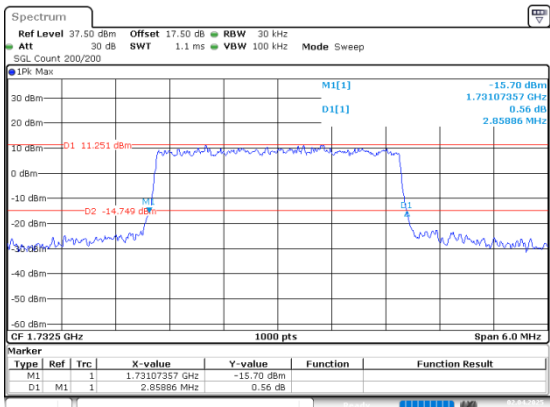
3MHz_Middle_16QAM_15@0

Occupied Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:14:48

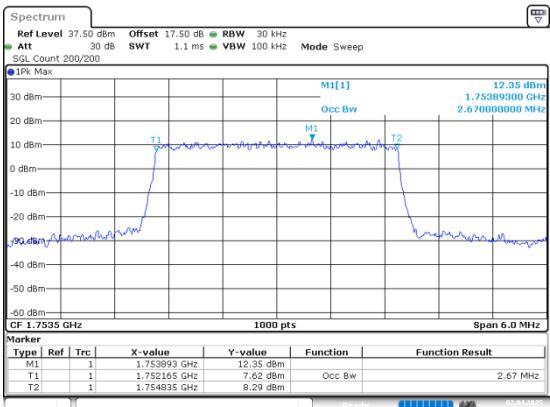
26dB Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:14:58

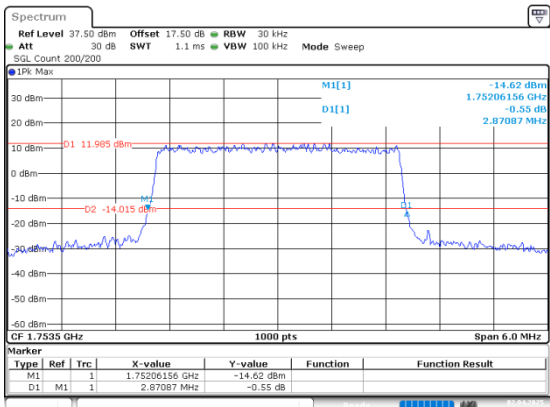
3MHz_High_QPSK_15@0

Occupied Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:15:22

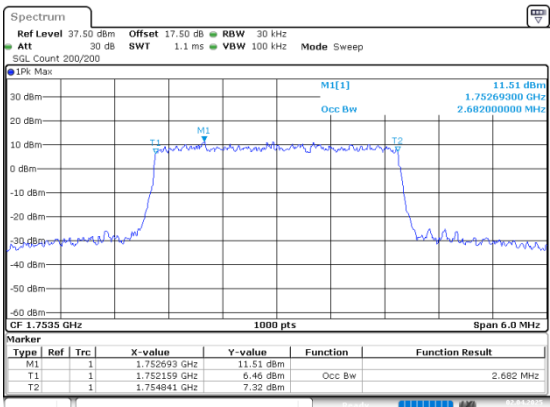
26dB Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:15:32

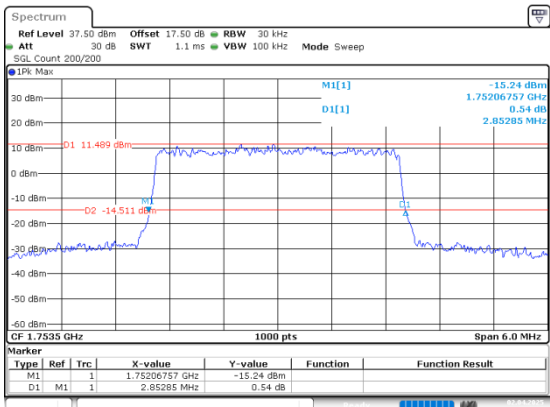
3MHz_High_16QAM_15@0

Occupied Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:15:56

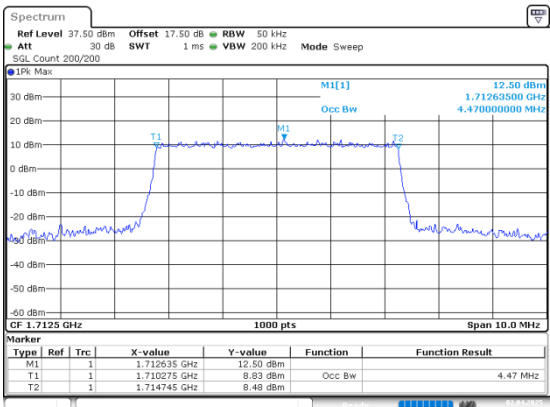
26dB Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:16:05

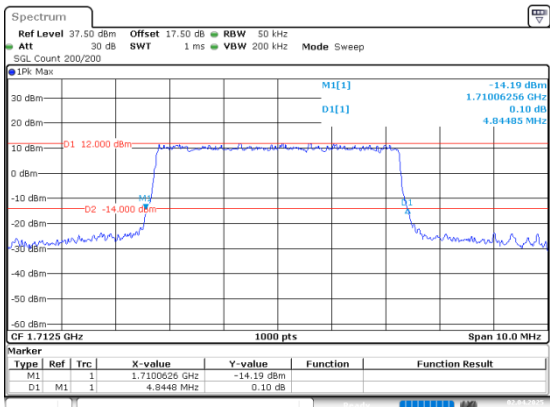
5MHz_Low_QPSK_25@0

Occupied Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:17:00

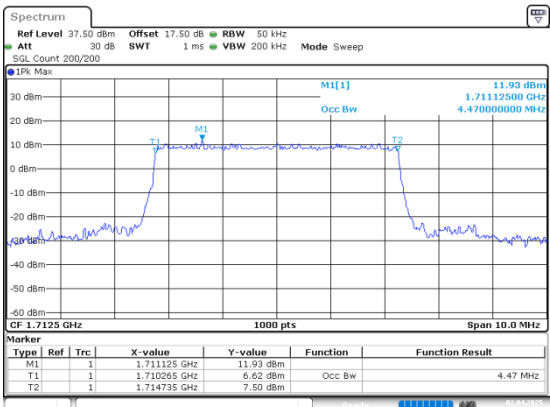
26dB Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:17:09

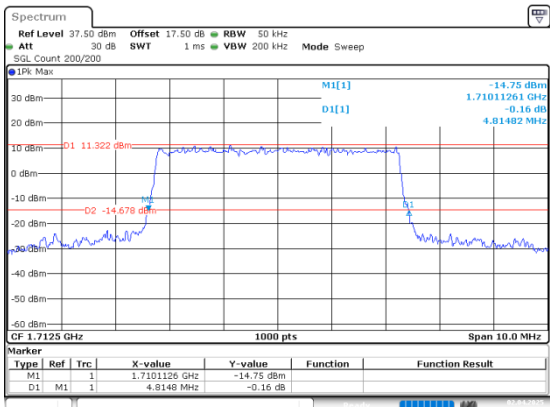
5MHz_Low_16QAM_25@0

Occupied Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:17:34

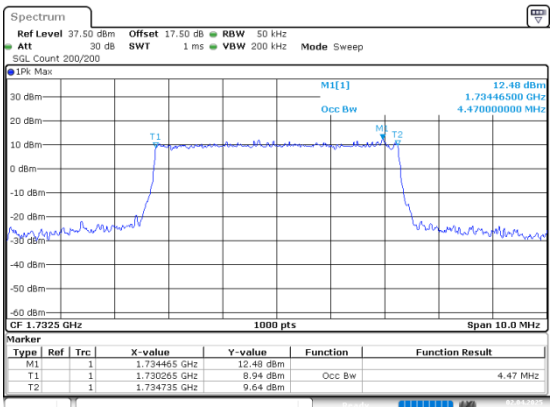
26dB Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:17:44

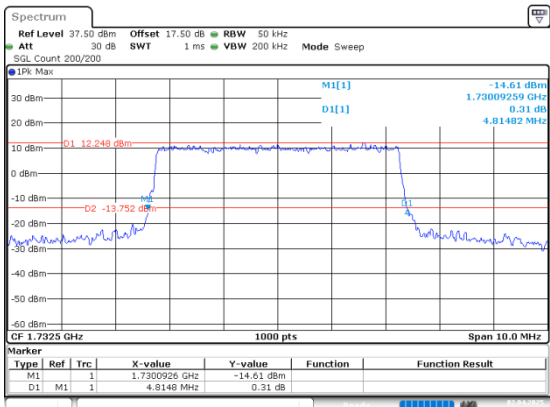
5MHz_Middle_QPSK_25@0

Occupied Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:18:10

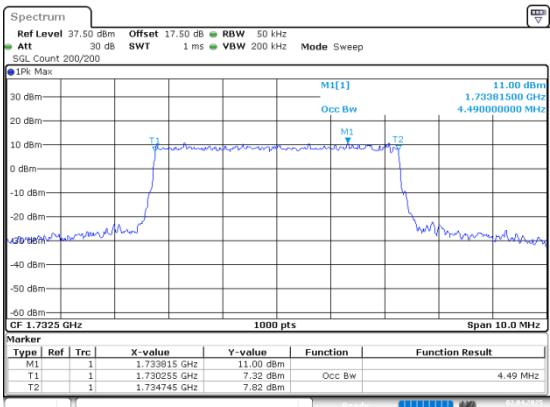
26dB Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:18:21

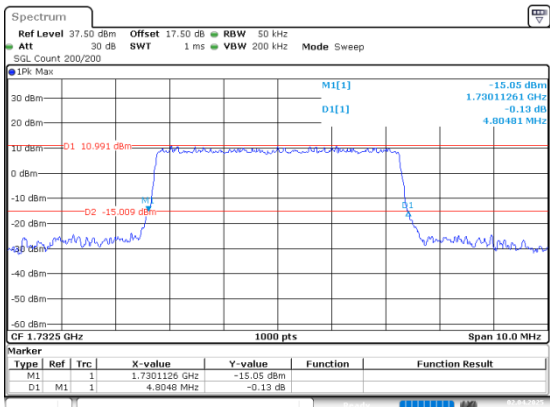
5MHz_Middle_16QAM_25@0

Occupied Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:18:47

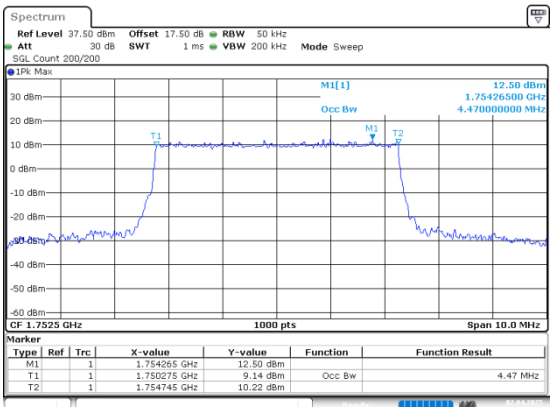
26dB Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:18:58

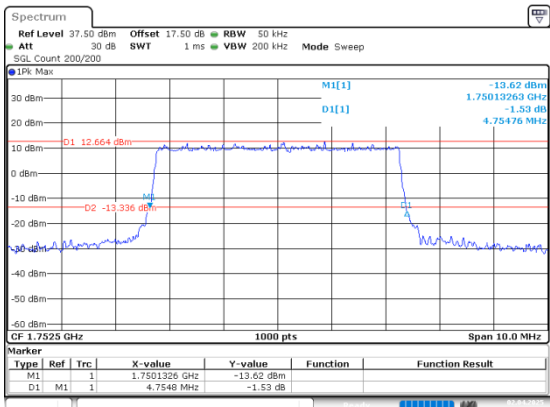
5MHz_High_QPSK_25@0

Occupied Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:19:22

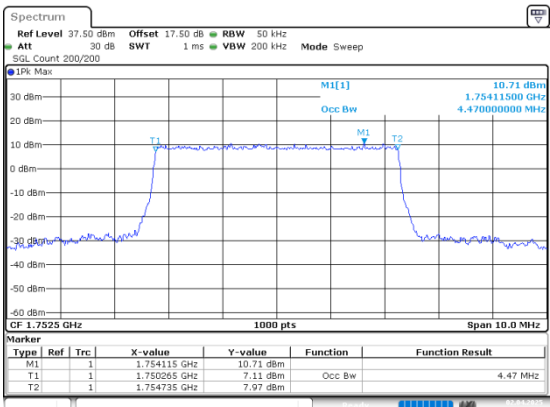
26dB Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:19:32

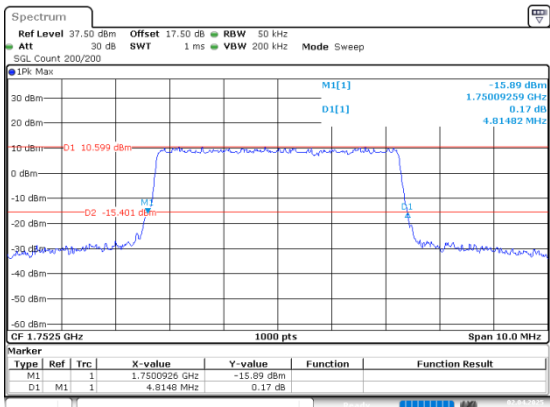
5MHz_High_16QAM_25@0

Occupied Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:19:56

26dB Bandwidth

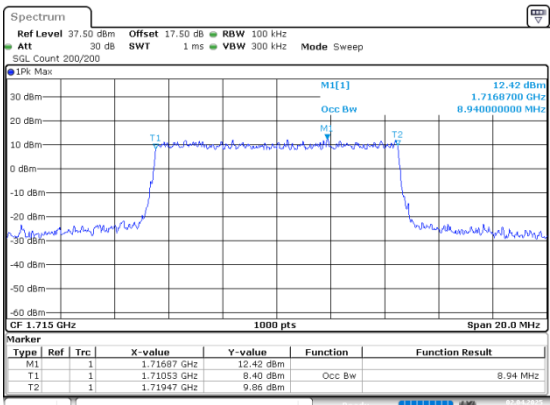


ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:20:05

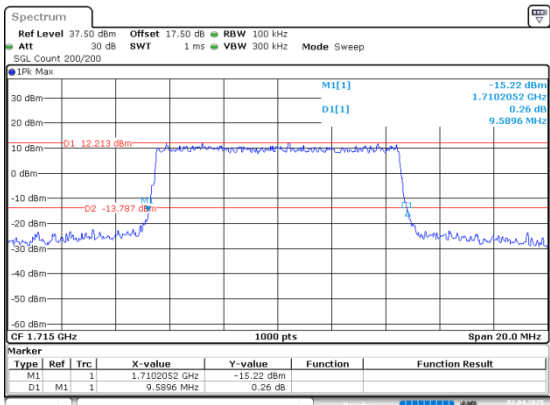
10MHz_Low_QPSK_50@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:21:11

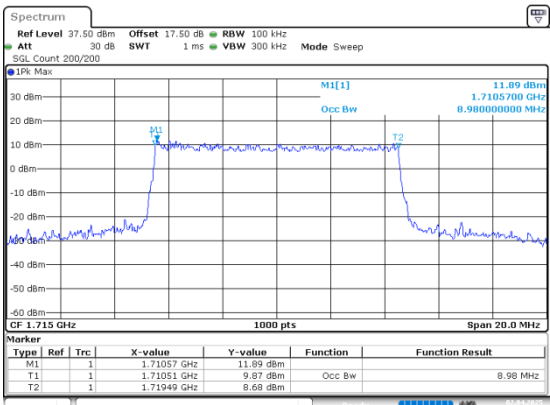


ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:21:21

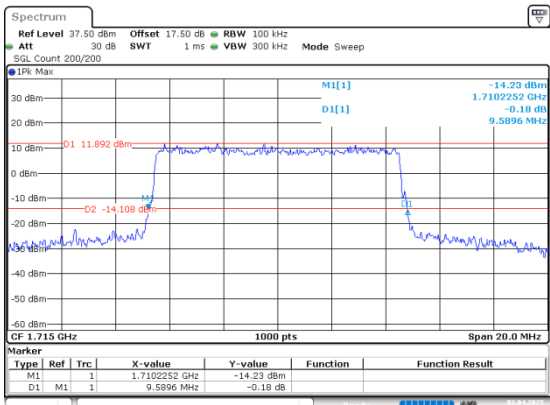
10MHz_Low_16QAM_50@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:21:48

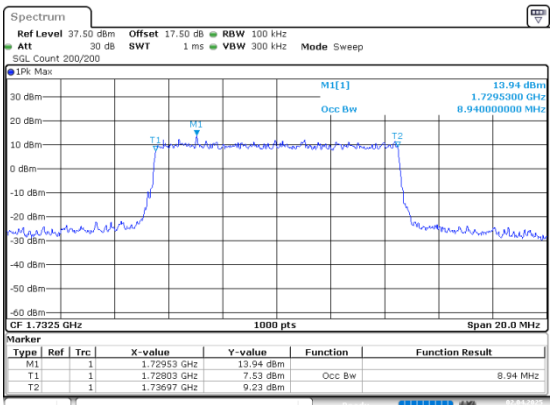


ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:21:58

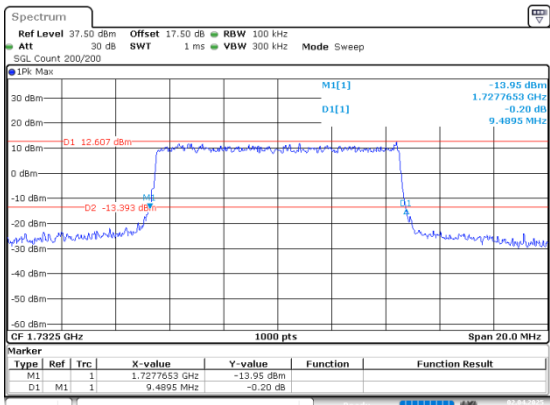
10MHz_Middle_QPSK_50@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:22:27

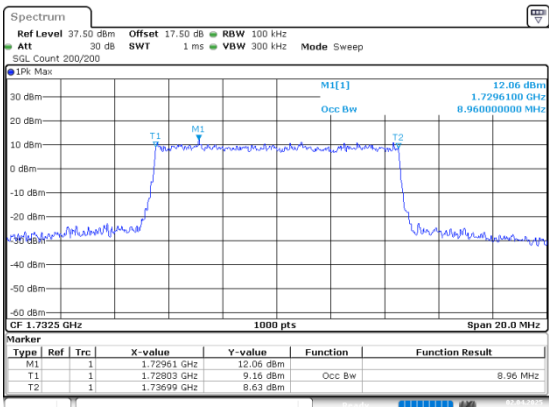


ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:22:40

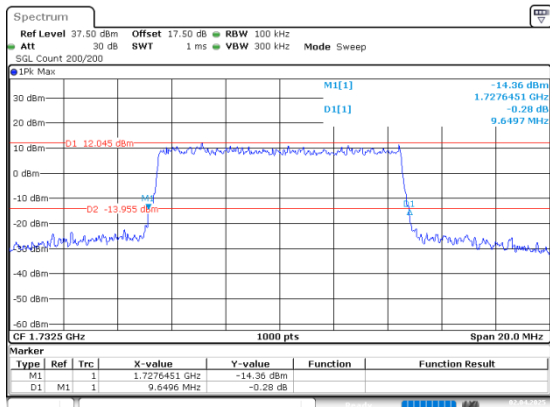
10MHz_Middle_16QAM_50@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:23:08

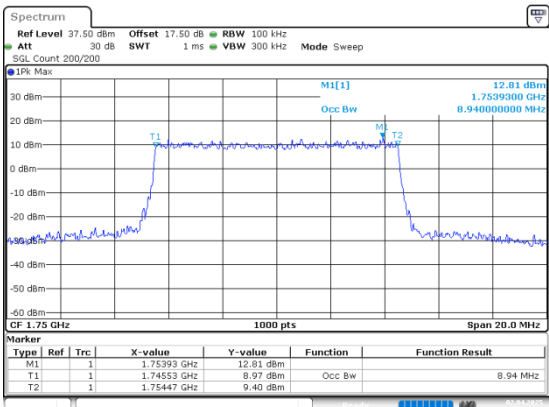


ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:23:21

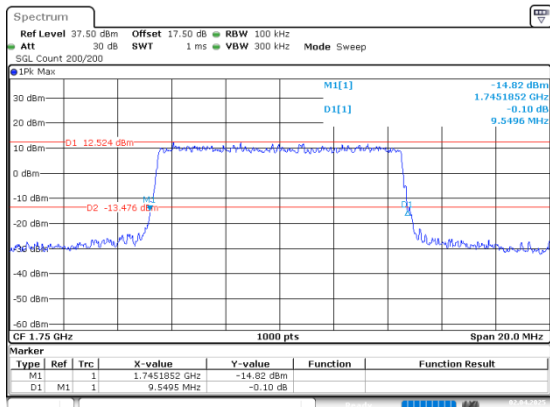
10MHz_High_QPSK_50@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:23:48

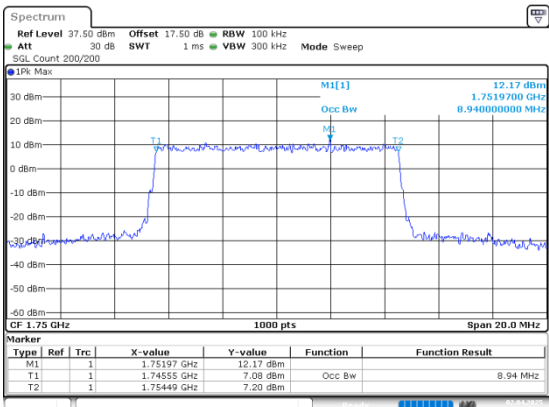


ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:23:58

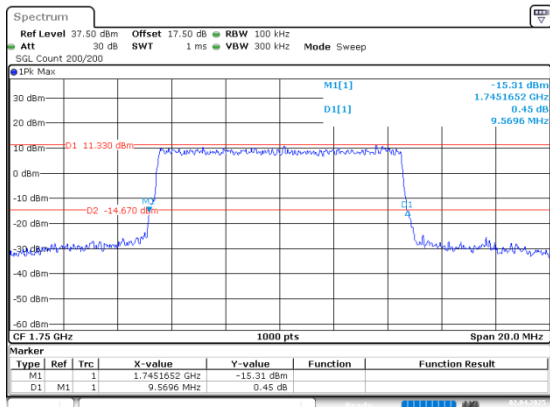
10MHz_High_16QAM_50@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:24:25

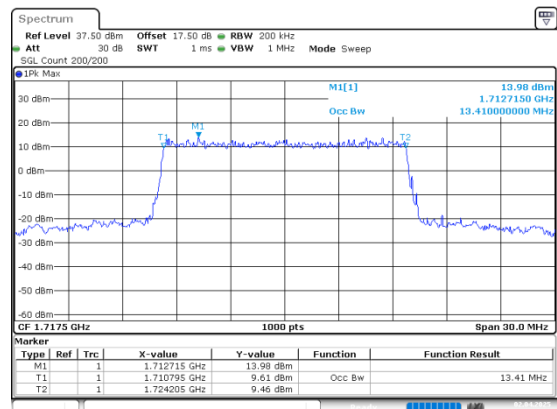


ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:24:35

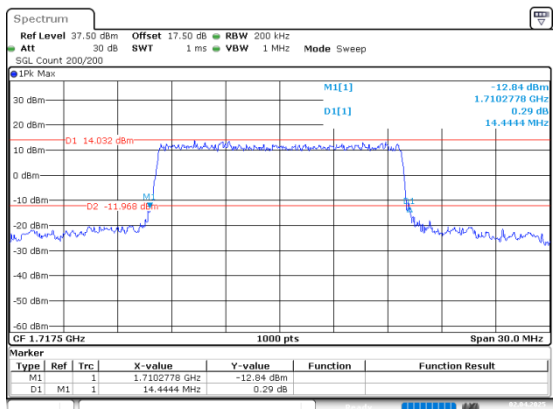
15MHz_Low_QPSK_75@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:25:33

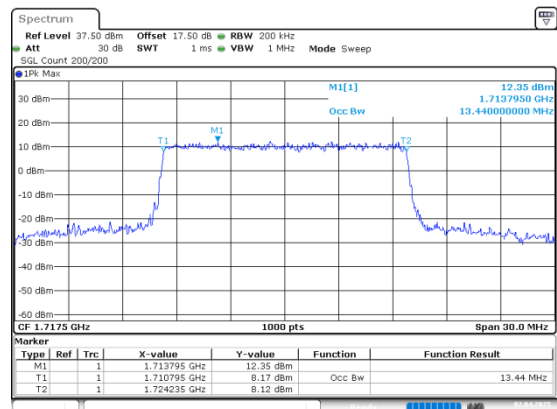


ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:25:49

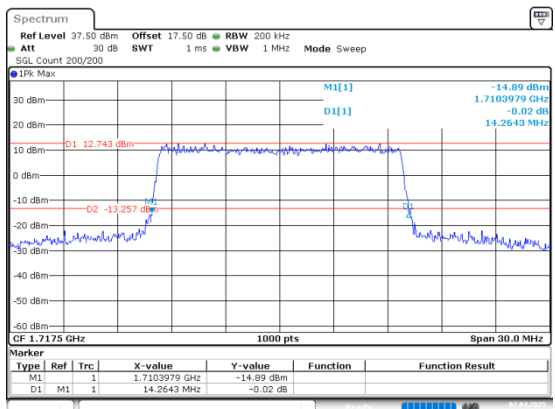
15MHz_Low_16QAM_75@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:26:14

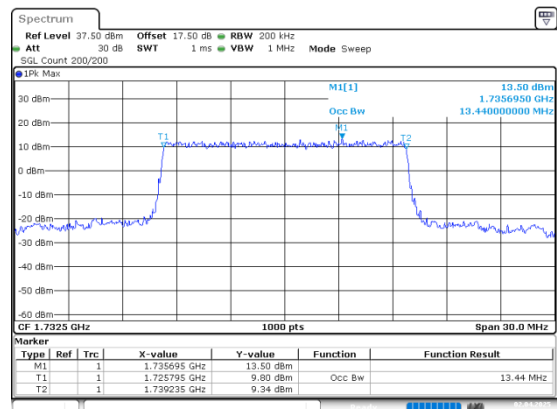


ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:26:26

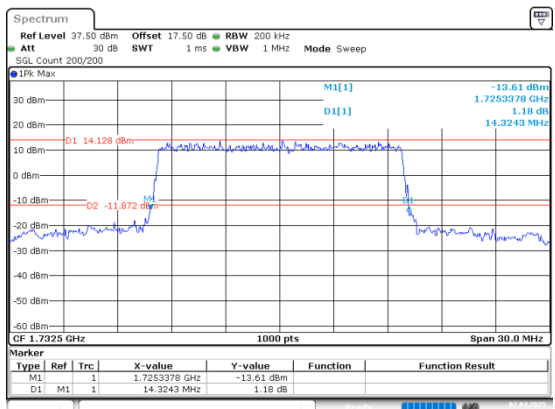
15MHz_Middle_QPSK_75@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:26:57

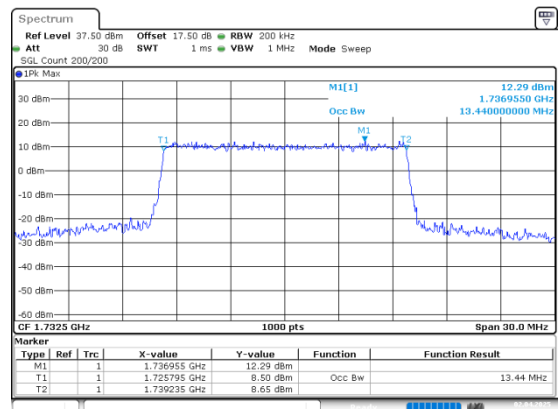


ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:27:10

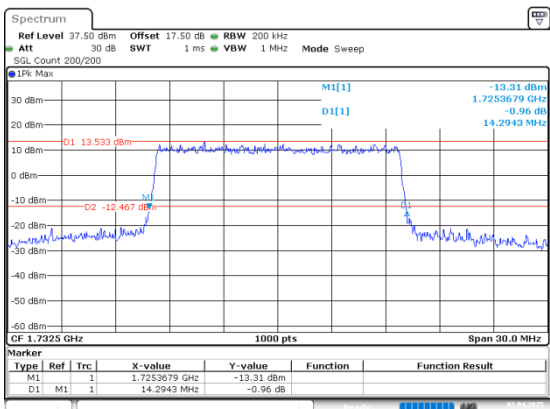
15MHz_Middle_16QAM_75@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:27:39

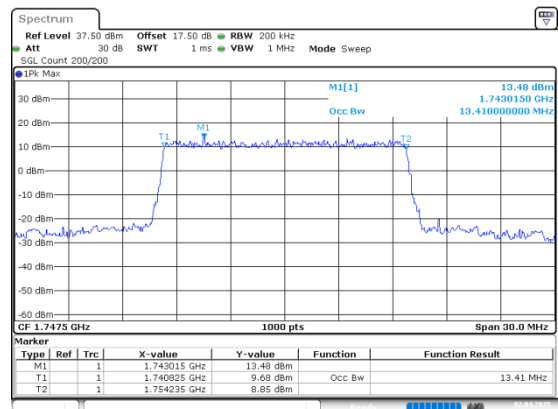


ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:27:51

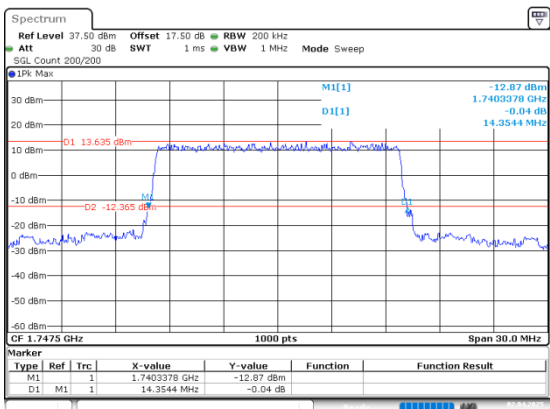
15MHz_High_QPSK_75@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:28:21

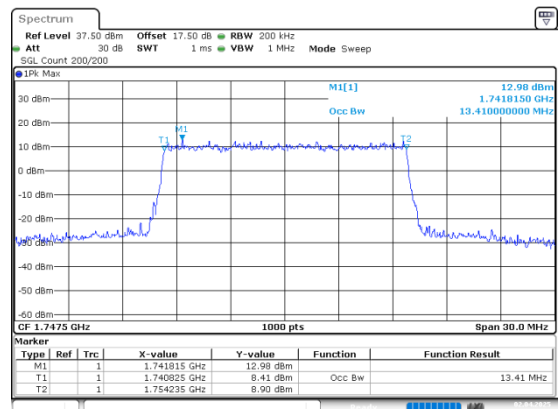


ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:28:32

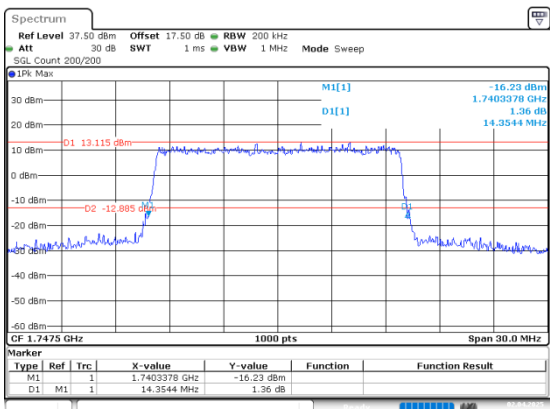
15MHz_High_16QAM_75@0

Occupied Bandwidth

26dB Bandwidth



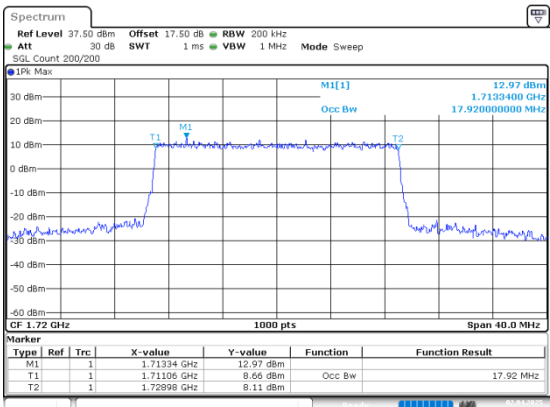
ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:29:00



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:29:12

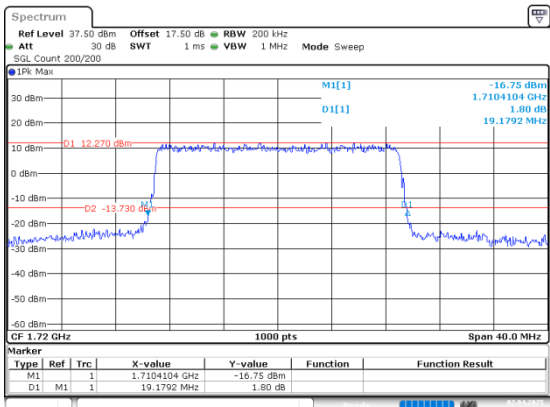
20MHz_Low_QPSK_100@0

Occupied Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:30:27

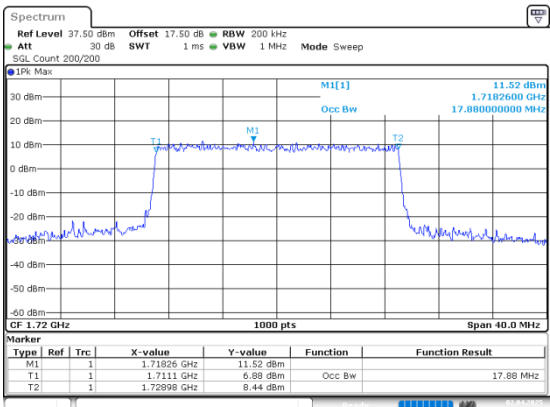
26dB Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:30:39

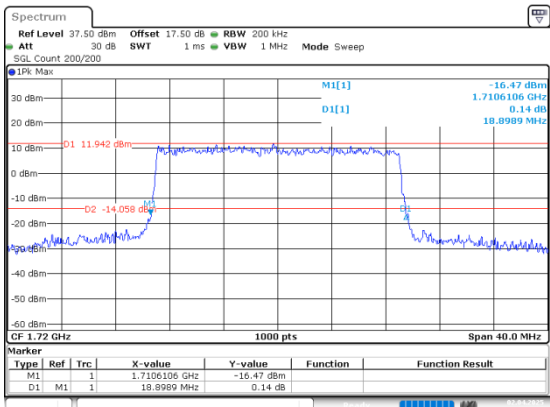
20MHz_Low_16QAM_100@0

Occupied Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:31:12

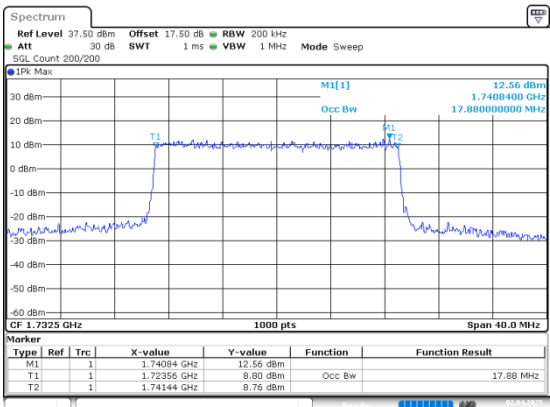
26dB Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:31:23

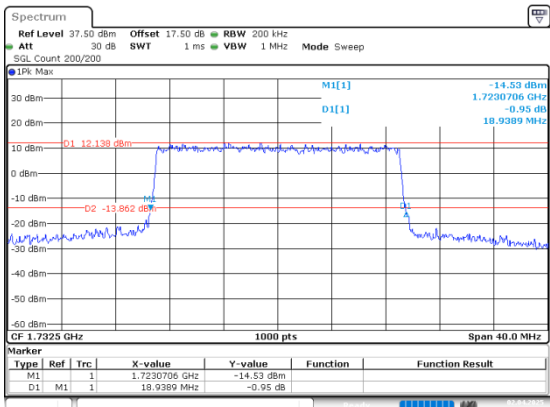
20MHz_Middle_QPSK_100@0

Occupied Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:31:58

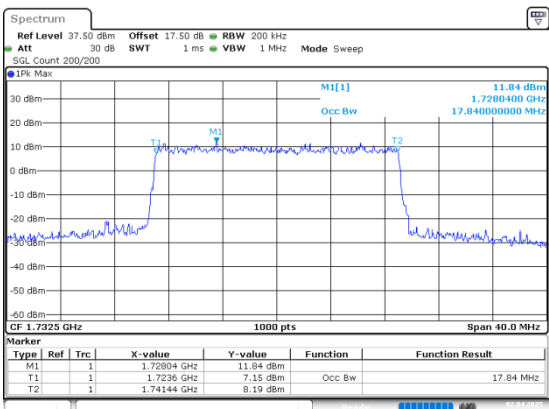
26dB Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:32:12

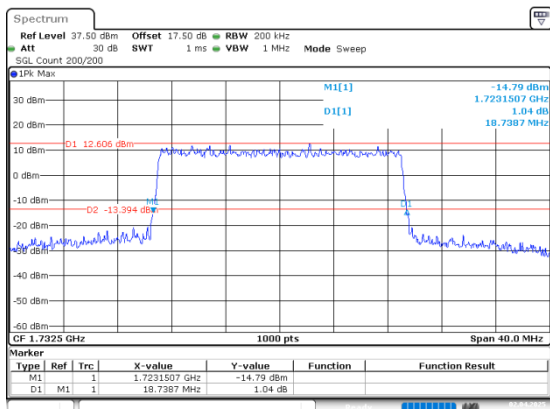
20MHz_Middle_16QAM_100@0

Occupied Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:32:44

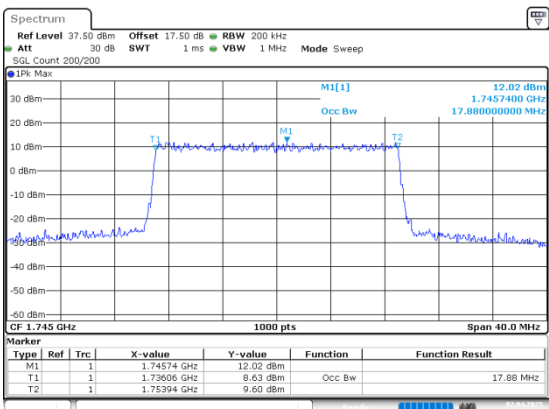
26dB Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:32:57

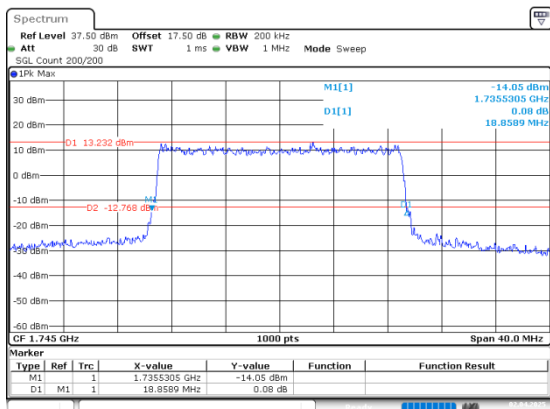
20MHz_High_QPSK_100@0

Occupied Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:33:30

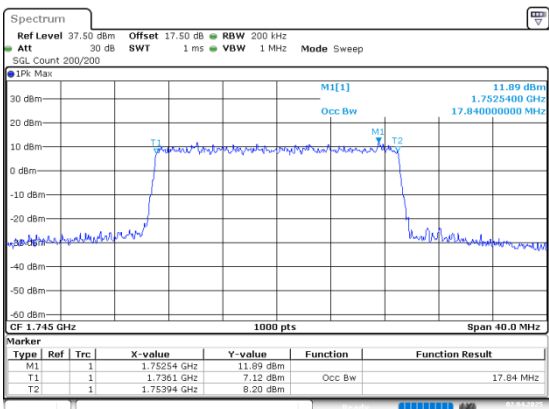
26dB Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:33:42

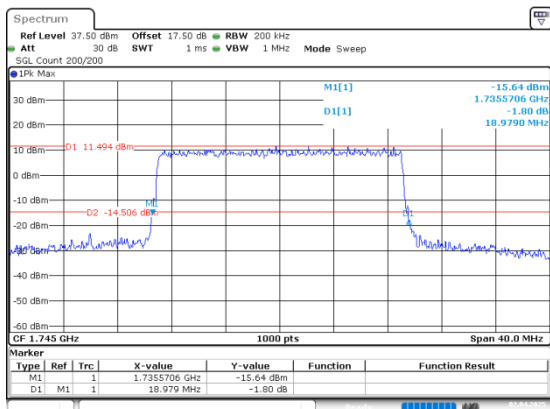
20MHz_High_16QAM_100@0

Occupied Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:34:15

26dB Bandwidth

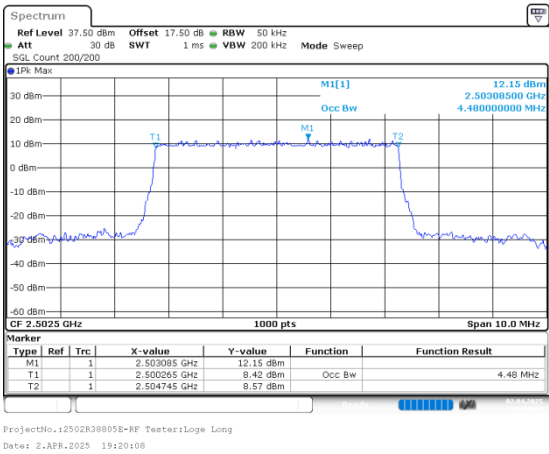


ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 18:34:28

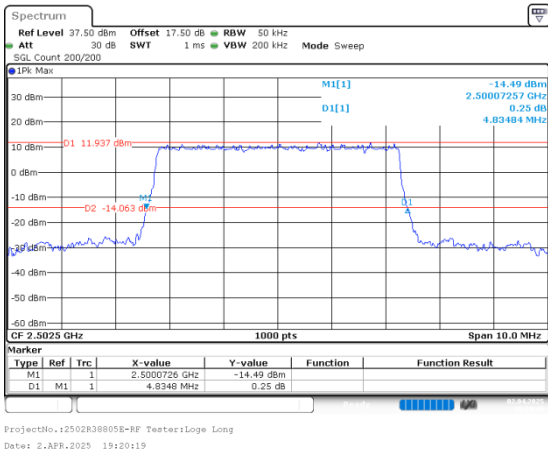
B7 , Normal

5MHz_Low_QPSK_25@0

Occupied Bandwidth

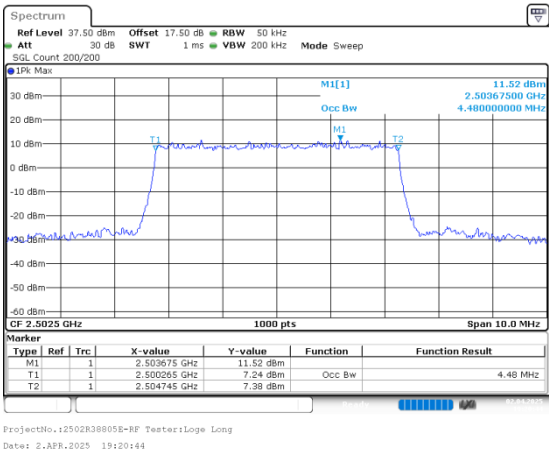


26dB Bandwidth

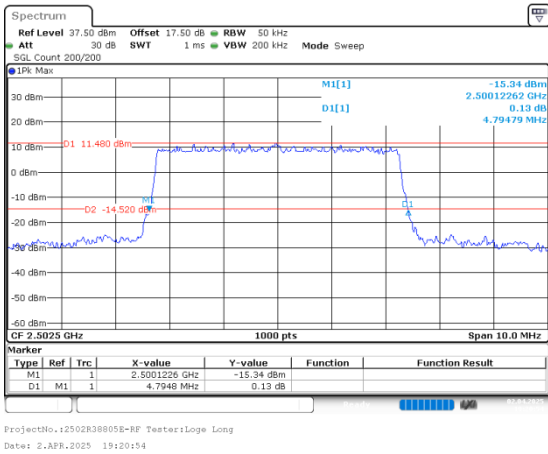


5MHz_Low_16QAM_25@0

Occupied Bandwidth

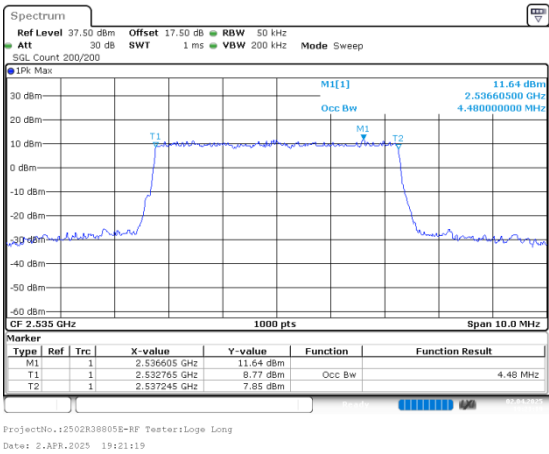


26dB Bandwidth

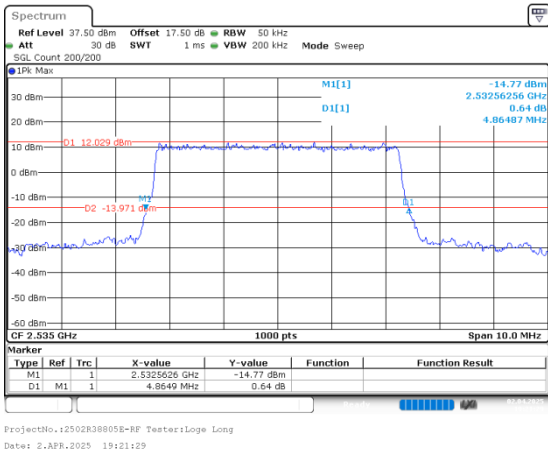


5MHz_Middle_QPSK_25@0

Occupied Bandwidth

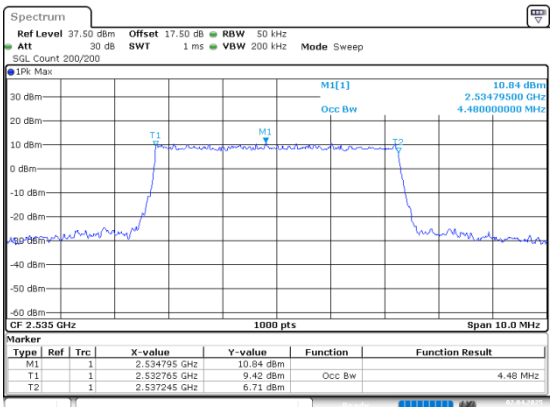


26dB Bandwidth



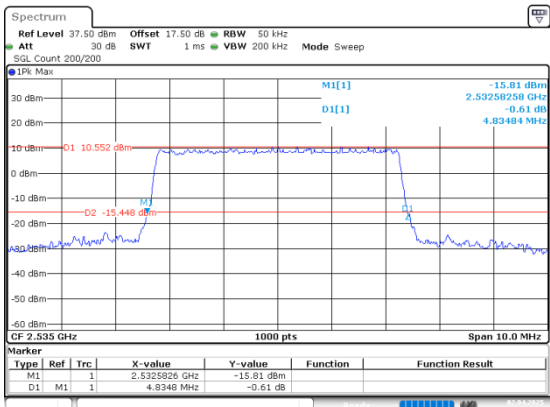
5MHz_Middle_16QAM_25@0

Occupied Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 19:21:53

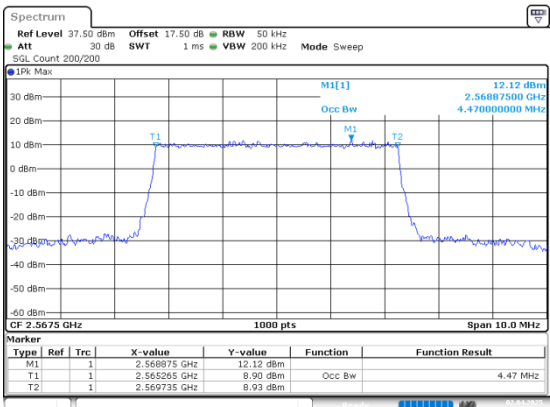
26dB Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 19:22:03

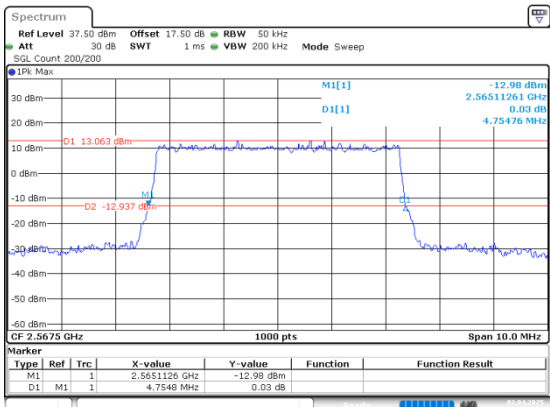
5MHz_High_QPSK_25@0

Occupied Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 19:22:29

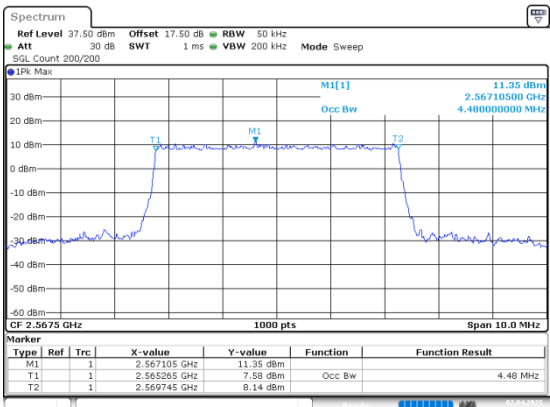
26dB Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 19:22:40

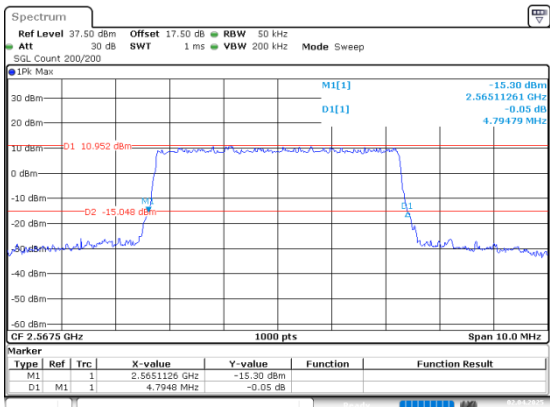
5MHz_High_16QAM_25@0

Occupied Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 19:23:06

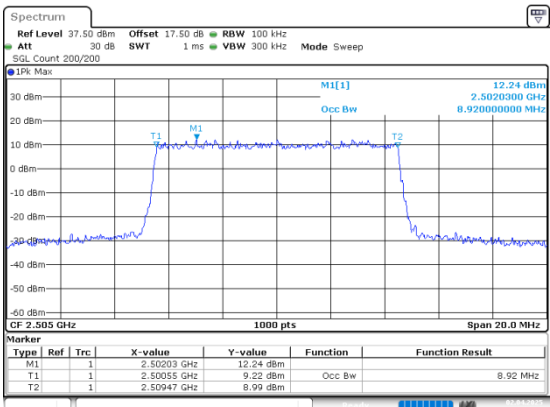
26dB Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 19:23:17

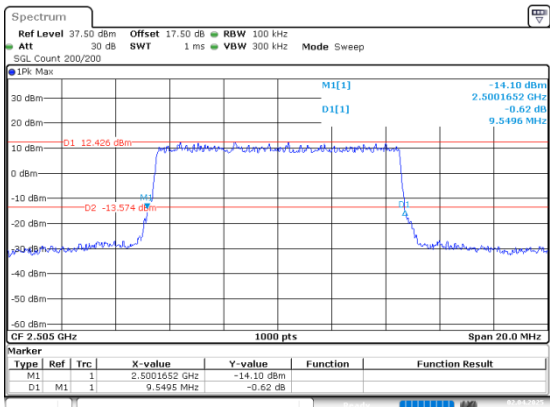
10MHz_Low_QPSK_50@0

Occupied Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 19:24:15

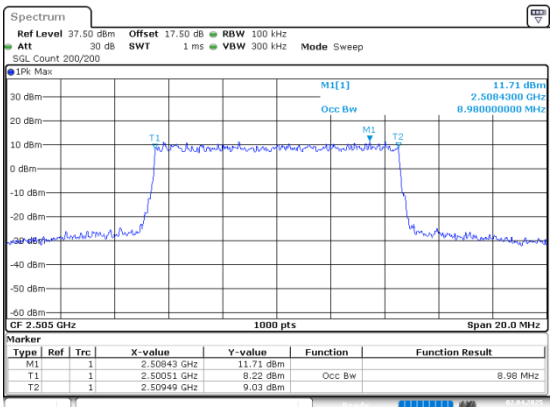
26dB Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 19:24:26

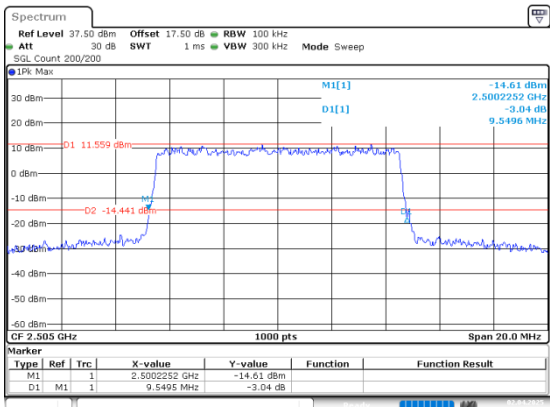
10MHz_Low_16QAM_50@0

Occupied Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 19:24:57

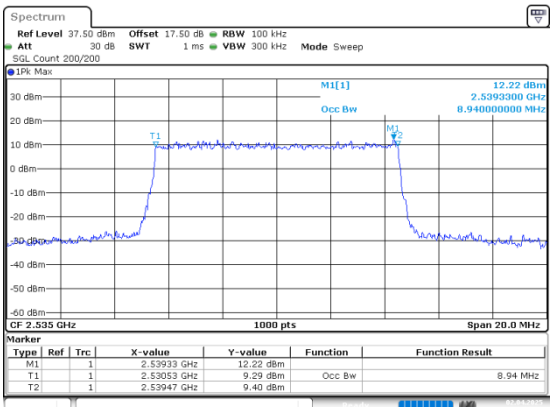
26dB Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 19:25:08

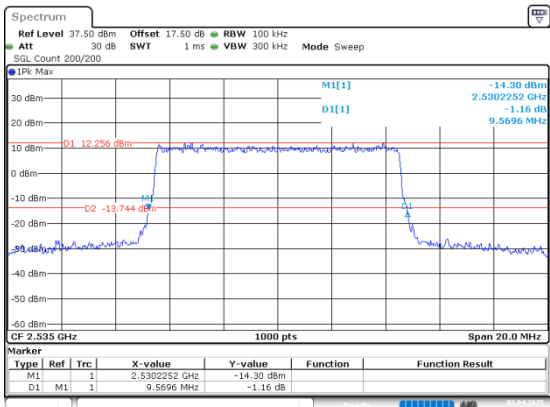
10MHz_Middle_QPSK_50@0

Occupied Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 19:25:38

26dB Bandwidth

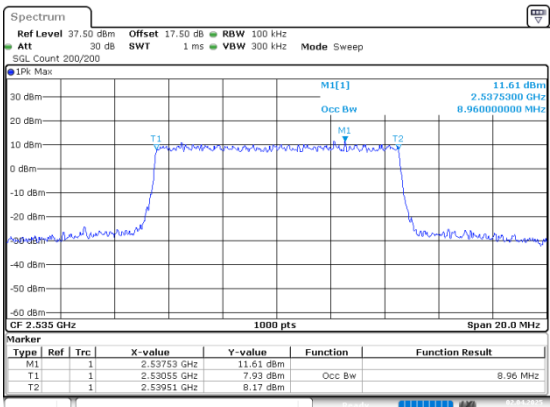


ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 19:25:51

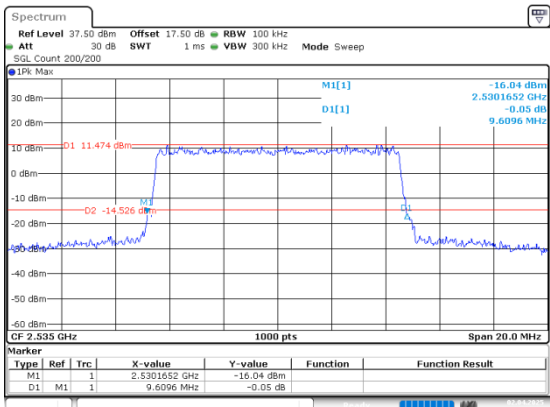
10MHz_Middle_16QAM_50@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 19:26:21

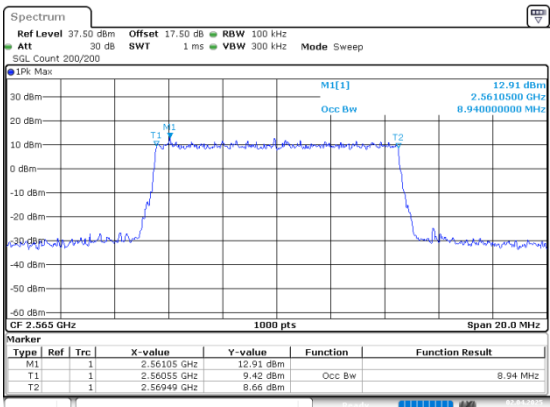


ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 19:26:33

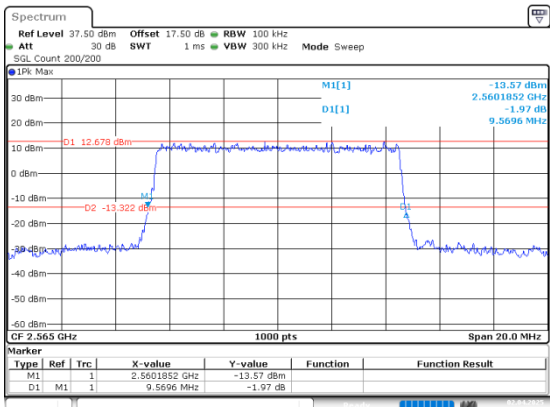
10MHz_High_QPSK_50@0

Occupied Bandwidth

26dB Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 19:27:04

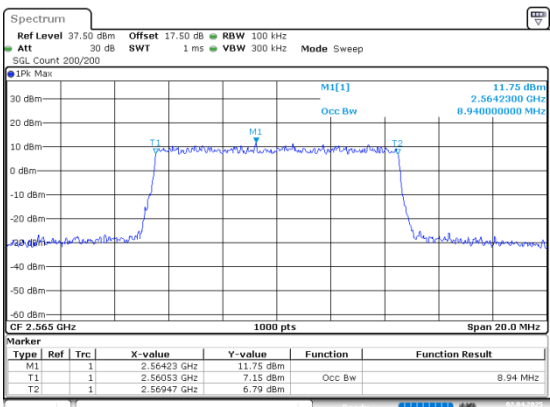


ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 19:27:16

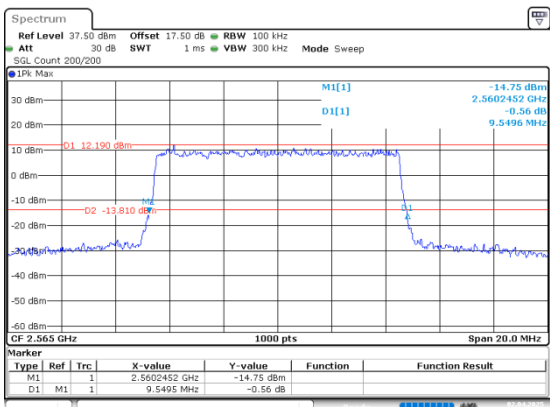
10MHz_High_16QAM_50@0

Occupied Bandwidth

26dB Bandwidth



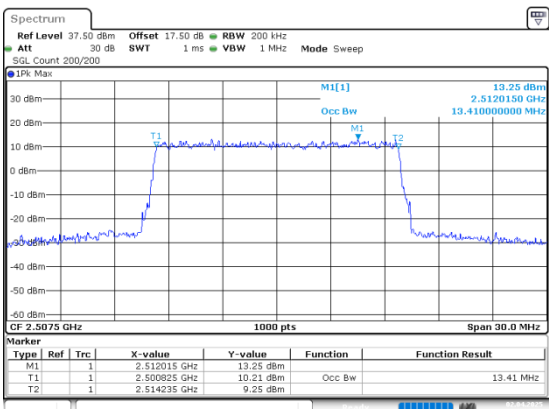
ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 19:27:45



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 19:27:57

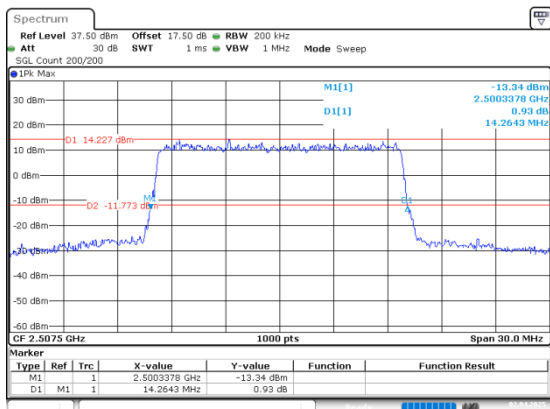
15MHz_Low_QPSK_75@0

Occupied Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 19:29:02

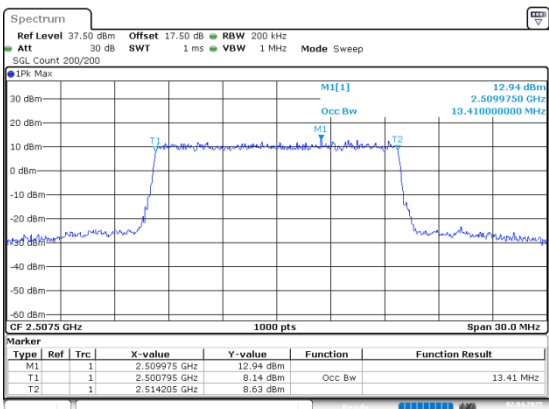
26dB Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 19:29:14

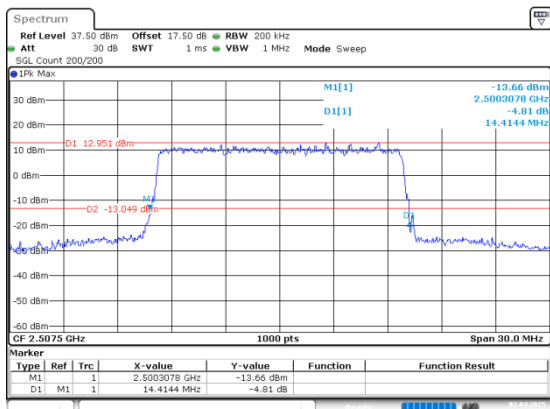
15MHz_Low_16QAM_75@0

Occupied Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 19:29:46

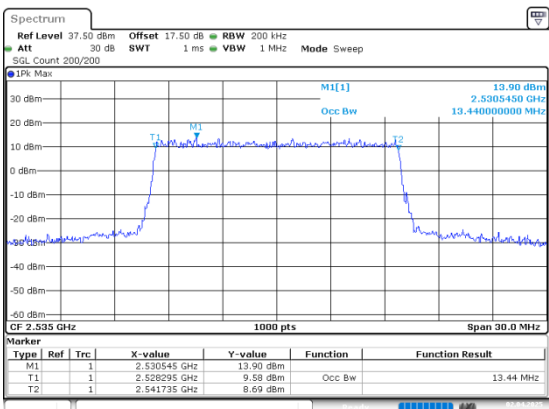
26dB Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 19:29:57

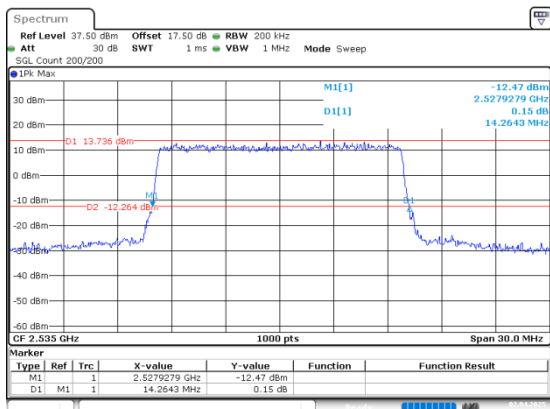
15MHz_Middle_QPSK_75@0

Occupied Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 19:30:29

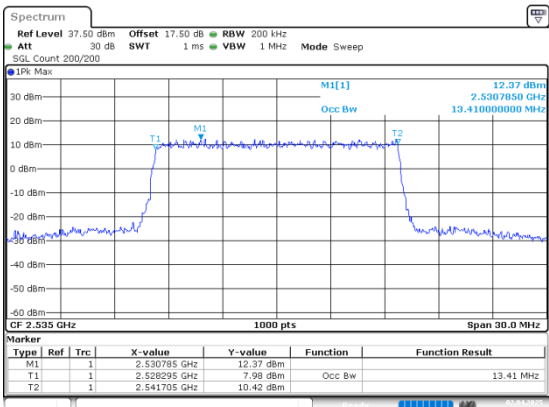
26dB Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 19:30:41

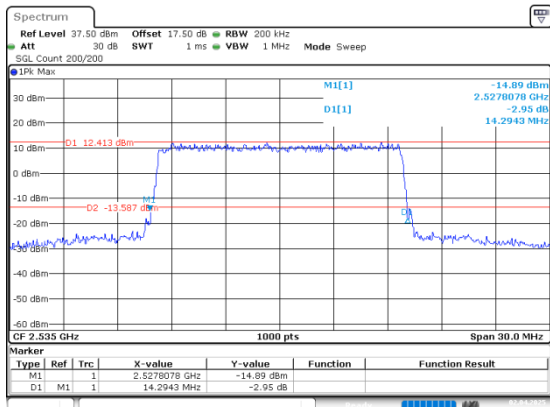
15MHz_Middle_16QAM_75@0

Occupied Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 19:31:13

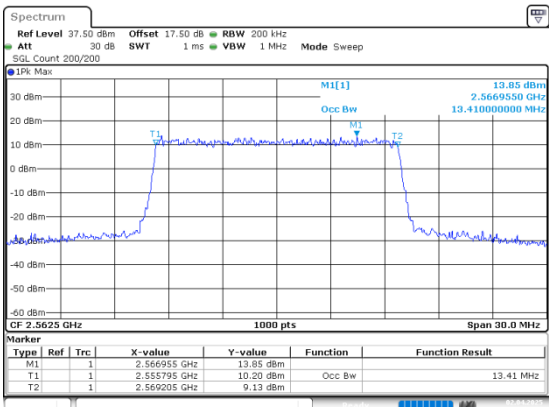
26dB Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 19:31:23

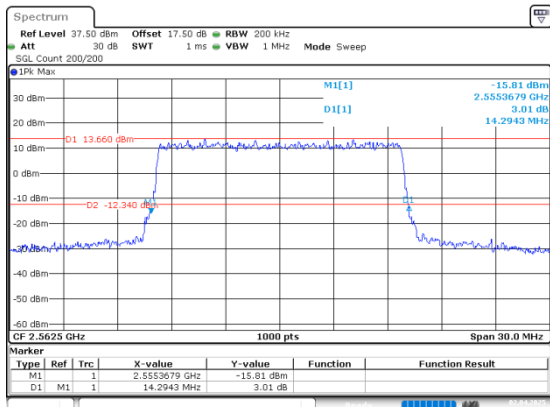
15MHz_High_QPSK_75@0

Occupied Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 19:31:56

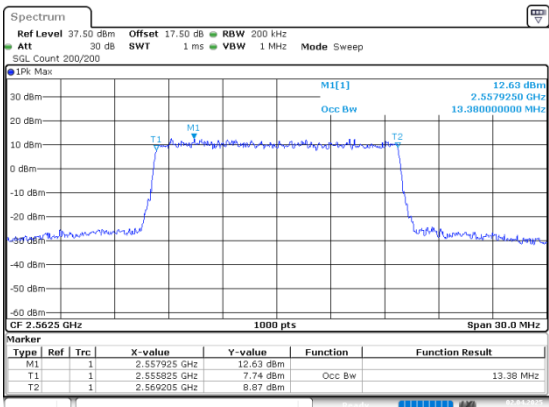
26dB Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 19:32:08

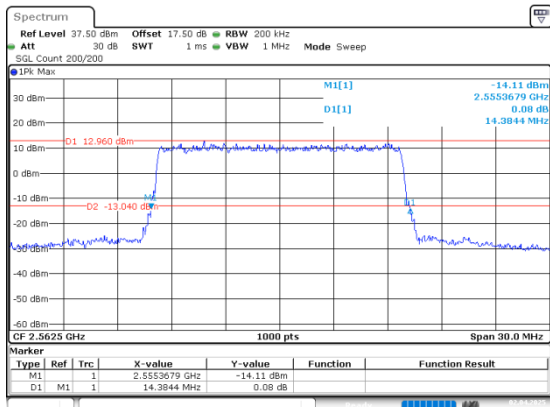
15MHz_High_16QAM_75@0

Occupied Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 19:32:39

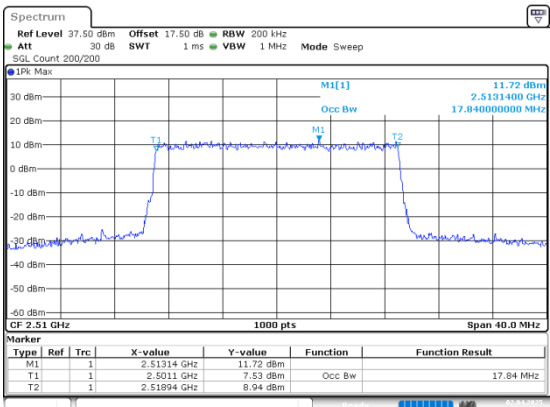
26dB Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 19:32:50

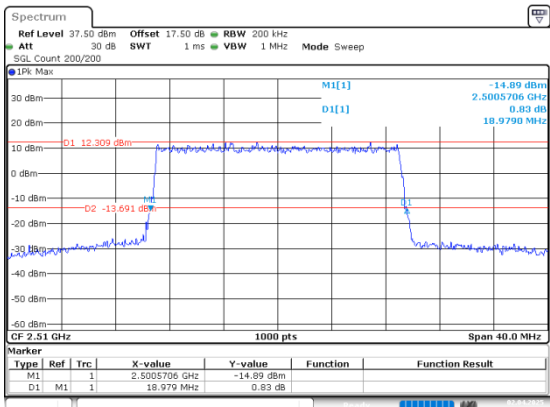
20MHz_Low_QPSK_100@0

Occupied Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 19:34:03

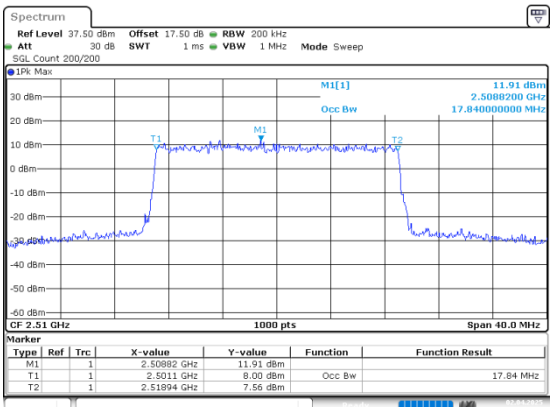
26dB Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 19:34:16

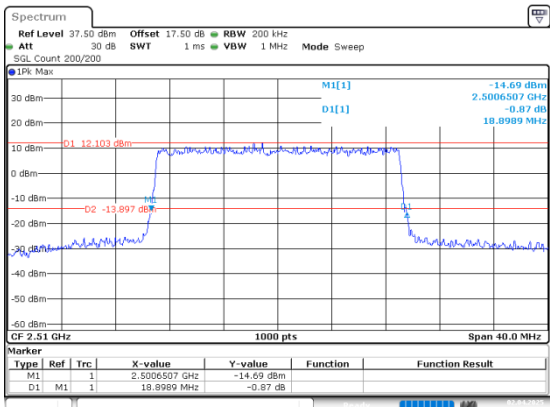
20MHz_Low_16QAM_100@0

Occupied Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 19:34:12

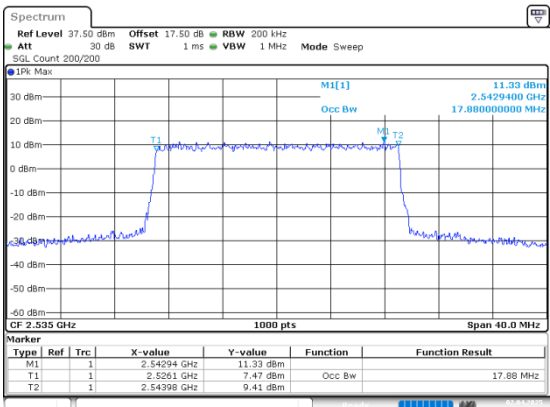
26dB Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 19:35:05

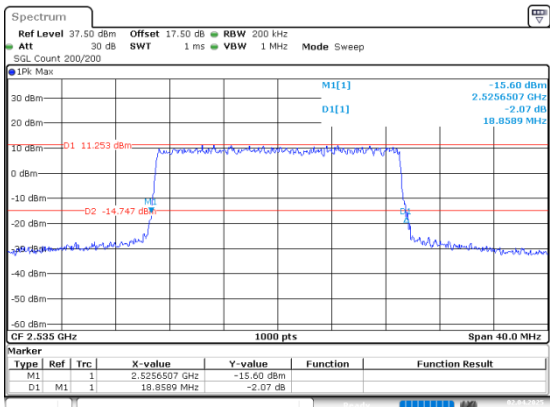
20MHz_Middle_QPSK_100@0

Occupied Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 19:35:41

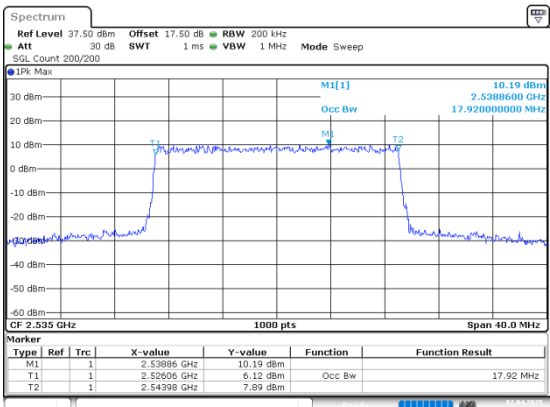
26dB Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 19:35:55

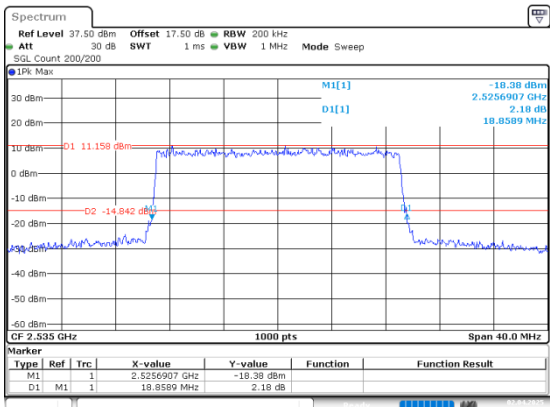
20MHz_Middle_16QAM_100@0

Occupied Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 19:36:28

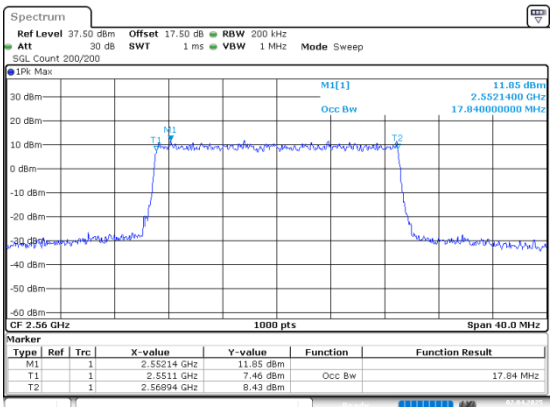
26dB Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 19:36:41

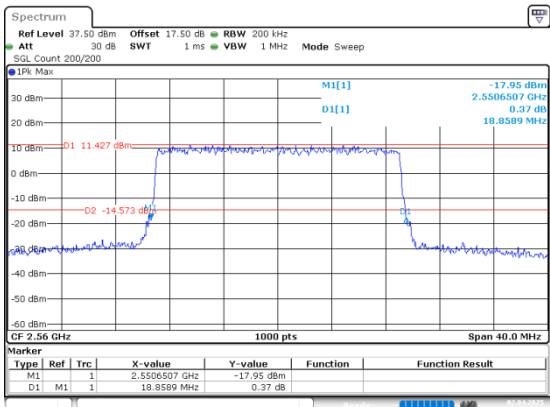
20MHz_High_QPSK_100@0

Occupied Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 19:37:16

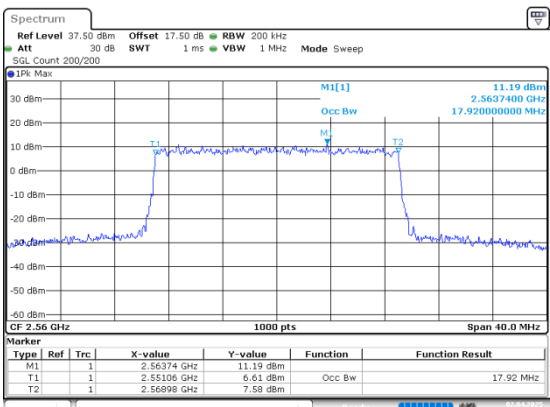
26dB Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 19:37:28

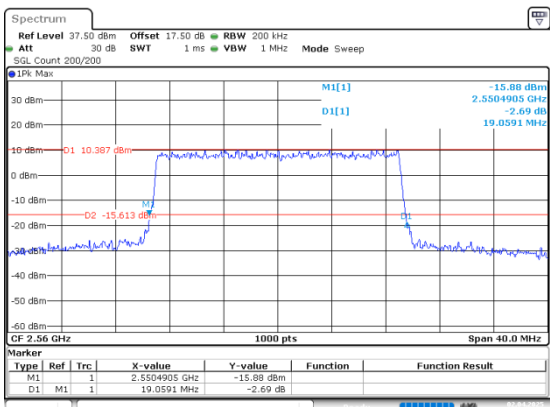
20MHz_High_16QAM_100@0

Occupied Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 19:38:03

26dB Bandwidth



ProjectNo.:2502R38805E-RF Tester:Loge Long
Date: 2.APR.2025 19:38:16

RF Output Power

FCC Part 22H

B5 , Normal

Mode	Average Conducted Power(dBm)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
1.4MHz_Low_QPSK_1@0	22.09	14.85	0.031	7	Pass
1.4MHz_Low_QPSK_1@3	22.23	14.99	0.032	7	Pass
1.4MHz_Low_QPSK_1@5	22.03	14.79	0.030	7	Pass
1.4MHz_Low_QPSK_3@0	22.22	14.98	0.031	7	Pass
1.4MHz_Low_QPSK_3@1	22.24	15.00	0.032	7	Pass
1.4MHz_Low_QPSK_3@3	22.23	14.99	0.032	7	Pass
1.4MHz_Low_QPSK_6@0	21.19	13.95	0.025	7	Pass
1.4MHz_Low_16QAM_1@0	20.94	13.70	0.023	7	Pass
1.4MHz_Low_16QAM_1@3	21.16	13.92	0.025	7	Pass
1.4MHz_Low_16QAM_1@5	20.98	13.74	0.024	7	Pass
1.4MHz_Low_16QAM_3@0	21.34	14.10	0.026	7	Pass
1.4MHz_Low_16QAM_3@1	21.41	14.17	0.026	7	Pass
1.4MHz_Low_16QAM_3@3	21.35	14.11	0.026	7	Pass
1.4MHz_Low_16QAM_6@0	20.46	13.22	0.021	7	Pass
1.4MHz_Middle_QPSK_1@0	22.49	15.25	0.033	7	Pass
1.4MHz_Middle_QPSK_1@3	22.63	15.39	0.035	7	Pass
1.4MHz_Middle_QPSK_1@5	22.43	15.19	0.033	7	Pass
1.4MHz_Middle_QPSK_3@0	22.60	15.36	0.034	7	Pass
1.4MHz_Middle_QPSK_3@1	22.45	15.21	0.033	7	Pass
1.4MHz_Middle_QPSK_3@3	22.26	15.02	0.032	7	Pass
1.4MHz_Middle_QPSK_6@0	21.23	13.99	0.025	7	Pass
1.4MHz_Middle_16QAM_1@0	21.11	13.87	0.024	7	Pass
1.4MHz_Middle_16QAM_1@3	20.93	13.69	0.023	7	Pass
1.4MHz_Middle_16QAM_1@5	20.89	13.65	0.023	7	Pass
1.4MHz_Middle_16QAM_3@0	21.30	14.06	0.025	7	Pass
1.4MHz_Middle_16QAM_3@1	21.34	14.10	0.026	7	Pass
1.4MHz_Middle_16QAM_3@3	21.30	14.06	0.025	7	Pass
1.4MHz_Middle_16QAM_6@0	20.36	13.12	0.021	7	Pass
1.4MHz_High_QPSK_1@0	21.99	14.75	0.030	7	Pass
1.4MHz_High_QPSK_1@3	22.20	14.96	0.031	7	Pass

Mode	Average Conducted Power(dBm)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
1.4MHz_High_QPSK_1@5	21.98	14.74	0.030	7	Pass
1.4MHz_High_QPSK_3@0	22.24	15.00	0.032	7	Pass
1.4MHz_High_QPSK_3@1	22.31	15.07	0.032	7	Pass
1.4MHz_High_QPSK_3@3	22.27	15.03	0.032	7	Pass
1.4MHz_High_QPSK_6@0	21.15	13.91	0.025	7	Pass
1.4MHz_High_16QAM_1@0	20.92	13.68	0.023	7	Pass
1.4MHz_High_16QAM_1@3	21.13	13.89	0.024	7	Pass
1.4MHz_High_16QAM_1@5	21	13.76	0.024	7	Pass
1.4MHz_High_16QAM_3@0	21.38	14.14	0.026	7	Pass
1.4MHz_High_16QAM_3@1	21.43	14.19	0.026	7	Pass
1.4MHz_High_16QAM_3@3	21.41	14.17	0.026	7	Pass
1.4MHz_High_16QAM_6@0	20.41	13.17	0.021	7	Pass
3MHz_Low_QPSK_1@0	22.58	15.34	0.034	7	Pass
3MHz_Low_QPSK_1@8	22.55	15.31	0.034	7	Pass
3MHz_Low_QPSK_1@14	22.51	15.27	0.034	7	Pass
3MHz_Low_QPSK_8@0	21.62	14.38	0.027	7	Pass
3MHz_Low_QPSK_8@4	21.67	14.43	0.028	7	Pass
3MHz_Low_QPSK_8@7	21.59	14.35	0.027	7	Pass
3MHz_Low_QPSK_15@0	21.63	14.39	0.027	7	Pass
3MHz_Low_16QAM_1@0	21.47	14.23	0.026	7	Pass
3MHz_Low_16QAM_1@8	21.42	14.18	0.026	7	Pass
3MHz_Low_16QAM_1@14	21.40	14.16	0.026	7	Pass
3MHz_Low_16QAM_8@0	20.64	13.40	0.022	7	Pass
3MHz_Low_16QAM_8@4	20.71	13.47	0.022	7	Pass
3MHz_Low_16QAM_8@7	20.64	13.40	0.022	7	Pass
3MHz_Low_16QAM_15@0	20.66	13.42	0.022	7	Pass
3MHz_Middle_QPSK_1@0	22.54	15.30	0.034	7	Pass
3MHz_Middle_QPSK_1@8	22.22	14.98	0.031	7	Pass
3MHz_Middle_QPSK_1@14	22.16	14.92	0.031	7	Pass
3MHz_Middle_QPSK_8@0	21.33	14.09	0.026	7	Pass
3MHz_Middle_QPSK_8@4	21.46	14.22	0.026	7	Pass
3MHz_Middle_QPSK_8@7	21.19	13.95	0.025	7	Pass
3MHz_Middle_QPSK_15@0	21.39	14.15	0.026	7	Pass
3MHz_Middle_16QAM_1@0	21.12	13.88	0.024	7	Pass

Mode	Average Conducted Power(dBm)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
3MHz_Middle_16QAM_1@8	21.08	13.84	0.024	7	Pass
3MHz_Middle_16QAM_1@14	21.06	13.82	0.024	7	Pass
3MHz_Middle_16QAM_8@0	20.20	12.96	0.020	7	Pass
3MHz_Middle_16QAM_8@4	20.29	13.05	0.020	7	Pass
3MHz_Middle_16QAM_8@7	20.21	12.97	0.020	7	Pass
3MHz_Middle_16QAM_15@0	20.25	13.01	0.020	7	Pass
3MHz_High_QPSK_1@0	22.32	15.08	0.032	7	Pass
3MHz_High_QPSK_1@8	22.27	15.03	0.032	7	Pass
3MHz_High_QPSK_1@14	22.34	15.10	0.032	7	Pass
3MHz_High_QPSK_8@0	21.11	13.87	0.024	7	Pass
3MHz_High_QPSK_8@4	21.17	13.93	0.025	7	Pass
3MHz_High_QPSK_8@7	21.11	13.87	0.024	7	Pass
3MHz_High_QPSK_15@0	21.17	13.93	0.025	7	Pass
3MHz_High_16QAM_1@0	21.52	14.28	0.027	7	Pass
3MHz_High_16QAM_1@8	21.50	14.26	0.027	7	Pass
3MHz_High_16QAM_1@14	21.55	14.31	0.027	7	Pass
3MHz_High_16QAM_8@0	20.32	13.08	0.020	7	Pass
3MHz_High_16QAM_8@4	20.38	13.14	0.021	7	Pass
3MHz_High_16QAM_8@7	20.31	13.07	0.020	7	Pass
3MHz_High_16QAM_15@0	20.25	13.01	0.020	7	Pass
5MHz_Low_QPSK_1@0	22.55	15.31	0.034	7	Pass
5MHz_Low_QPSK_1@12	22.77	15.53	0.036	7	Pass
5MHz_Low_QPSK_1@24	22.56	15.32	0.034	7	Pass
5MHz_Low_QPSK_12@0	21.65	14.41	0.028	7	Pass
5MHz_Low_QPSK_12@7	21.68	14.44	0.028	7	Pass
5MHz_Low_QPSK_12@13	21.67	14.43	0.028	7	Pass
5MHz_Low_QPSK_25@0	21.64	14.40	0.028	7	Pass
5MHz_Low_16QAM_1@0	21.64	14.40	0.028	7	Pass
5MHz_Low_16QAM_1@12	21.81	14.57	0.029	7	Pass
5MHz_Low_16QAM_1@24	21.58	14.34	0.027	7	Pass
5MHz_Low_16QAM_12@0	20.73	13.49	0.022	7	Pass
5MHz_Low_16QAM_12@7	20.83	13.59	0.023	7	Pass
5MHz_Low_16QAM_12@13	20.77	13.53	0.023	7	Pass
5MHz_Low_16QAM_25@0	20.67	13.43	0.022	7	Pass

Mode	Average Conducted Power(dBm)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
5MHz_Middle_QPSK_1@0	22.58	15.34	0.034	7	Pass
5MHz_Middle_QPSK_1@12	22.60	15.36	0.034	7	Pass
5MHz_Middle_QPSK_1@24	22.09	14.85	0.031	7	Pass
5MHz_Middle_QPSK_12@0	21.11	13.87	0.024	7	Pass
5MHz_Middle_QPSK_12@7	21.58	14.34	0.027	7	Pass
5MHz_Middle_QPSK_12@13	21.44	14.20	0.026	7	Pass
5MHz_Middle_QPSK_25@0	21.22	13.98	0.025	7	Pass
5MHz_Middle_16QAM_1@0	21.08	13.84	0.024	7	Pass
5MHz_Middle_16QAM_1@12	21.33	14.09	0.026	7	Pass
5MHz_Middle_16QAM_1@24	21.09	13.85	0.024	7	Pass
5MHz_Middle_16QAM_12@0	20.17	12.93	0.020	7	Pass
5MHz_Middle_16QAM_12@7	20.34	13.10	0.020	7	Pass
5MHz_Middle_16QAM_12@13	20.37	13.13	0.021	7	Pass
5MHz_Middle_16QAM_25@0	20.42	13.18	0.021	7	Pass
5MHz_High_QPSK_1@0	22	14.76	0.030	7	Pass
5MHz_High_QPSK_1@12	22.22	14.98	0.031	7	Pass
5MHz_High_QPSK_1@24	22.01	14.77	0.030	7	Pass
5MHz_High_QPSK_12@0	21.14	13.90	0.025	7	Pass
5MHz_High_QPSK_12@7	21.19	13.95	0.025	7	Pass
5MHz_High_QPSK_12@13	21.13	13.89	0.024	7	Pass
5MHz_High_QPSK_25@0	21.16	13.92	0.025	7	Pass
5MHz_High_16QAM_1@0	21.69	14.45	0.028	7	Pass
5MHz_High_16QAM_1@12	21.83	14.59	0.029	7	Pass
5MHz_High_16QAM_1@24	21.68	14.44	0.028	7	Pass
5MHz_High_16QAM_12@0	20.32	13.08	0.020	7	Pass
5MHz_High_16QAM_12@7	20.35	13.11	0.020	7	Pass
5MHz_High_16QAM_12@13	20.30	13.06	0.020	7	Pass
5MHz_High_16QAM_25@0	20.34	13.10	0.020	7	Pass
10MHz_Low_QPSK_1@0	22.55	15.31	0.034	7	Pass
10MHz_Low_QPSK_1@25	22.72	15.48	0.035	7	Pass
10MHz_Low_QPSK_1@49	22.53	15.29	0.034	7	Pass
10MHz_Low_QPSK_25@0	21.69	14.45	0.028	7	Pass
10MHz_Low_QPSK_25@12	21.71	14.47	0.028	7	Pass
10MHz_Low_QPSK_25@25	21.67	14.43	0.028	7	Pass

Mode	Average Conducted Power(dBm)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
10MHz_Low_QPSK_50@0	21.68	14.44	0.028	7	Pass
10MHz_Low_16QAM_1@0	21.43	14.19	0.026	7	Pass
10MHz_Low_16QAM_1@25	21.53	14.29	0.027	7	Pass
10MHz_Low_16QAM_1@49	21.40	14.16	0.026	7	Pass
10MHz_Low_16QAM_25@0	20.84	13.60	0.023	7	Pass
10MHz_Low_16QAM_25@12	20.86	13.62	0.023	7	Pass
10MHz_Low_16QAM_25@25	20.83	13.59	0.023	7	Pass
10MHz_Low_16QAM_50@0	20.80	13.56	0.023	7	Pass
10MHz_Middle_QPSK_1@0	22.61	15.37	0.034	7	Pass
10MHz_Middle_QPSK_1@25	22.73	15.49	0.035	7	Pass
10MHz_Middle_QPSK_1@49	22.19	14.95	0.031	7	Pass
10MHz_Middle_QPSK_25@0	21.67	14.43	0.028	7	Pass
10MHz_Middle_QPSK_25@12	21.69	14.45	0.028	7	Pass
10MHz_Middle_QPSK_25@25	21.45	14.21	0.026	7	Pass
10MHz_Middle_QPSK_50@0	21.48	14.24	0.027	7	Pass
10MHz_Middle_16QAM_1@0	21.08	13.84	0.024	7	Pass
10MHz_Middle_16QAM_1@25	21.26	14.02	0.025	7	Pass
10MHz_Middle_16QAM_1@49	21.06	13.82	0.024	7	Pass
10MHz_Middle_16QAM_25@0	20.39	13.15	0.021	7	Pass
10MHz_Middle_16QAM_25@12	20.72	13.48	0.022	7	Pass
10MHz_Middle_16QAM_25@25	20.52	13.28	0.021	7	Pass
10MHz_Middle_16QAM_50@0	20.43	13.19	0.021	7	Pass
10MHz_High_QPSK_1@0	22.30	15.06	0.032	7	Pass
10MHz_High_QPSK_1@25	22.47	15.23	0.033	7	Pass
10MHz_High_QPSK_1@49	22.32	15.08	0.032	7	Pass
10MHz_High_QPSK_25@0	21.22	13.98	0.025	7	Pass
10MHz_High_QPSK_25@12	21.20	13.96	0.025	7	Pass
10MHz_High_QPSK_25@25	21.11	13.87	0.024	7	Pass
10MHz_High_QPSK_50@0	21.17	13.93	0.025	7	Pass
10MHz_High_16QAM_1@0	21.51	14.27	0.027	7	Pass
10MHz_High_16QAM_1@25	21.65	14.41	0.028	7	Pass
10MHz_High_16QAM_1@49	21.54	14.30	0.027	7	Pass
10MHz_High_16QAM_25@0	20.33	13.09	0.020	7	Pass
10MHz_High_16QAM_25@12	20.33	13.09	0.020	7	Pass

Mode	Average Conducted Power(dBm)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
10MHz_High_16QAM_25@25	20.25	13.01	0.020	7	Pass
10MHz_High_16QAM_50@0	20.24	13.00	0.020	7	Pass

Note:

ERP = Average Conducted Power(dBm) + Antenna Gain(dBd) - Cable Loss(dB)

Antenna Gain(dBd) = Antenna Gain(dBi) - 2.15

1.Antenna Gain = -4.99dBi;

2.Cable Loss = 0.1dB.

FCC Part 24E

B2 , Normal

Mode	Average Conducted Power(dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
1.4MHz_Low_QPSK_1@0	22.44	19.14	0.082	2	Pass
1.4MHz_Low_QPSK_1@3	22.72	19.42	0.087	2	Pass
1.4MHz_Low_QPSK_1@5	22.54	19.24	0.084	2	Pass
1.4MHz_Low_QPSK_3@0	22.74	19.44	0.088	2	Pass
1.4MHz_Low_QPSK_3@1	22.82	19.52	0.090	2	Pass
1.4MHz_Low_QPSK_3@3	22.68	19.38	0.087	2	Pass
1.4MHz_Low_QPSK_6@0	21.72	18.42	0.070	2	Pass
1.4MHz_Low_16QAM_1@0	21.47	18.17	0.066	2	Pass
1.4MHz_Low_16QAM_1@3	21.66	18.36	0.069	2	Pass
1.4MHz_Low_16QAM_1@5	21.47	18.17	0.066	2	Pass
1.4MHz_Low_16QAM_3@0	21.87	18.57	0.072	2	Pass
1.4MHz_Low_16QAM_3@1	21.94	18.64	0.073	2	Pass
1.4MHz_Low_16QAM_3@3	21.87	18.57	0.072	2	Pass
1.4MHz_Low_16QAM_6@0	20.91	17.61	0.058	2	Pass
1.4MHz_Middle_QPSK_1@0	22.83	19.53	0.090	2	Pass
1.4MHz_Middle_QPSK_1@3	23	19.70	0.093	2	Pass
1.4MHz_Middle_QPSK_1@5	22.83	19.53	0.090	2	Pass
1.4MHz_Middle_QPSK_3@0	22.77	19.47	0.089	2	Pass
1.4MHz_Middle_QPSK_3@1	22.84	19.54	0.090	2	Pass
1.4MHz_Middle_QPSK_3@3	22.77	19.47	0.089	2	Pass
1.4MHz_Middle_QPSK_6@0	21.69	18.39	0.069	2	Pass
1.4MHz_Middle_16QAM_1@0	22.04	18.74	0.075	2	Pass
1.4MHz_Middle_16QAM_1@3	22.08	18.78	0.076	2	Pass
1.4MHz_Middle_16QAM_1@5	21.88	18.58	0.072	2	Pass
1.4MHz_Middle_16QAM_3@0	21.70	18.40	0.069	2	Pass
1.4MHz_Middle_16QAM_3@1	21.69	18.39	0.069	2	Pass
1.4MHz_Middle_16QAM_3@3	21.66	18.36	0.069	2	Pass
1.4MHz_Middle_16QAM_6@0	20.15	16.85	0.048	2	Pass
1.4MHz_High_QPSK_1@0	22.12	18.82	0.076	2	Pass
1.4MHz_High_QPSK_1@3	22.34	19.04	0.080	2	Pass

Mode	Average Conducted Power(dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
1.4MHz_High_QPSK_1@5	22.11	18.81	0.076	2	Pass
1.4MHz_High_QPSK_3@0	22.28	18.98	0.079	2	Pass
1.4MHz_High_QPSK_3@1	22.32	19.02	0.080	2	Pass
1.4MHz_High_QPSK_3@3	22.31	19.01	0.080	2	Pass
1.4MHz_High_QPSK_6@0	21.31	18.01	0.063	2	Pass
1.4MHz_High_16QAM_1@0	21.03	17.73	0.059	2	Pass
1.4MHz_High_16QAM_1@3	21.18	17.88	0.061	2	Pass
1.4MHz_High_16QAM_1@5	20.99	17.69	0.059	2	Pass
1.4MHz_High_16QAM_3@0	21.38	18.08	0.064	2	Pass
1.4MHz_High_16QAM_3@1	21.45	18.15	0.065	2	Pass
1.4MHz_High_16QAM_3@3	21.38	18.08	0.064	2	Pass
1.4MHz_High_16QAM_6@0	20.44	17.14	0.052	2	Pass
3MHz_Low_QPSK_1@0	22.46	19.16	0.082	2	Pass
3MHz_Low_QPSK_1@8	22.02	18.72	0.074	2	Pass
3MHz_Low_QPSK_1@14	22.23	18.93	0.078	2	Pass
3MHz_Low_QPSK_8@0	21.10	17.80	0.060	2	Pass
3MHz_Low_QPSK_8@4	21.11	17.81	0.060	2	Pass
3MHz_Low_QPSK_8@7	21.05	17.75	0.060	2	Pass
3MHz_Low_QPSK_15@0	21.05	17.75	0.060	2	Pass
3MHz_Low_16QAM_1@0	20.94	17.64	0.058	2	Pass
3MHz_Low_16QAM_1@8	20.86	17.56	0.057	2	Pass
3MHz_Low_16QAM_1@14	20.83	17.53	0.057	2	Pass
3MHz_Low_16QAM_8@0	20.05	16.75	0.047	2	Pass
3MHz_Low_16QAM_8@4	20.09	16.79	0.048	2	Pass
3MHz_Low_16QAM_8@7	20.03	16.73	0.047	2	Pass
3MHz_Low_16QAM_15@0	20.03	16.73	0.047	2	Pass
3MHz_Middle_QPSK_1@0	22.09	18.79	0.076	2	Pass
3MHz_Middle_QPSK_1@8	22.09	18.79	0.076	2	Pass
3MHz_Middle_QPSK_1@14	22.11	18.81	0.076	2	Pass
3MHz_Middle_QPSK_8@0	21.12	17.82	0.061	2	Pass
3MHz_Middle_QPSK_8@4	21.19	17.89	0.062	2	Pass
3MHz_Middle_QPSK_8@7	21.15	17.85	0.061	2	Pass
3MHz_Middle_QPSK_15@0	21.09	17.79	0.060	2	Pass
3MHz_Middle_16QAM_1@0	21.06	17.76	0.060	2	Pass

Mode	Average Conducted Power(dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
3MHz_Middle_16QAM_1@8	21.03	17.73	0.059	2	Pass
3MHz_Middle_16QAM_1@14	21.01	17.71	0.059	2	Pass
3MHz_Middle_16QAM_8@0	20.15	16.85	0.048	2	Pass
3MHz_Middle_16QAM_8@4	20.21	16.91	0.049	2	Pass
3MHz_Middle_16QAM_8@7	20.13	16.83	0.048	2	Pass
3MHz_Middle_16QAM_15@0	20.15	16.85	0.048	2	Pass
3MHz_High_QPSK_1@0	22.34	19.04	0.080	2	Pass
3MHz_High_QPSK_1@8	22.39	19.09	0.081	2	Pass
3MHz_High_QPSK_1@14	22.37	19.07	0.081	2	Pass
3MHz_High_QPSK_8@0	21.20	17.90	0.062	2	Pass
3MHz_High_QPSK_8@4	21.21	17.91	0.062	2	Pass
3MHz_High_QPSK_8@7	21.19	17.89	0.062	2	Pass
3MHz_High_QPSK_15@0	21.21	17.91	0.062	2	Pass
3MHz_High_16QAM_1@0	21.52	18.22	0.066	2	Pass
3MHz_High_16QAM_1@8	21.60	18.30	0.068	2	Pass
3MHz_High_16QAM_1@14	21.53	18.23	0.067	2	Pass
3MHz_High_16QAM_8@0	20.32	17.02	0.050	2	Pass
3MHz_High_16QAM_8@4	20.33	17.03	0.050	2	Pass
3MHz_High_16QAM_8@7	20.28	16.98	0.050	2	Pass
3MHz_High_16QAM_15@0	20.24	16.94	0.049	2	Pass
5MHz_Low_QPSK_1@0	22.55	19.25	0.084	2	Pass
5MHz_Low_QPSK_1@12	22.79	19.49	0.089	2	Pass
5MHz_Low_QPSK_1@24	22.53	19.23	0.084	2	Pass
5MHz_Low_QPSK_12@0	21.43	18.13	0.065	2	Pass
5MHz_Low_QPSK_12@7	21.15	17.85	0.061	2	Pass
5MHz_Low_QPSK_12@13	21.34	18.04	0.064	2	Pass
5MHz_Low_QPSK_25@0	21.06	17.76	0.060	2	Pass
5MHz_Low_16QAM_1@0	21.08	17.78	0.060	2	Pass
5MHz_Low_16QAM_1@12	21.29	17.99	0.063	2	Pass
5MHz_Low_16QAM_1@24	21.05	17.75	0.060	2	Pass
5MHz_Low_16QAM_12@0	20.03	16.73	0.047	2	Pass
5MHz_Low_16QAM_12@7	20.16	16.86	0.049	2	Pass
5MHz_Low_16QAM_12@13	20.11	16.81	0.048	2	Pass
5MHz_Low_16QAM_25@0	20.03	16.73	0.047	2	Pass

Mode	Average Conducted Power(dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
5MHz_Middle_QPSK_1@0	22.03	18.73	0.075	2	Pass
5MHz_Middle_QPSK_1@12	22.26	18.96	0.079	2	Pass
5MHz_Middle_QPSK_1@24	22.01	18.71	0.074	2	Pass
5MHz_Middle_QPSK_12@0	21.13	17.83	0.061	2	Pass
5MHz_Middle_QPSK_12@7	21.20	17.90	0.062	2	Pass
5MHz_Middle_QPSK_12@13	21.11	17.81	0.060	2	Pass
5MHz_Middle_QPSK_25@0	21.14	17.84	0.061	2	Pass
5MHz_Middle_16QAM_1@0	21.65	18.35	0.068	2	Pass
5MHz_Middle_16QAM_1@12	21.89	18.59	0.072	2	Pass
5MHz_Middle_16QAM_1@24	21.64	18.34	0.068	2	Pass
5MHz_Middle_16QAM_12@0	20.21	16.91	0.049	2	Pass
5MHz_Middle_16QAM_12@7	20.25	16.95	0.050	2	Pass
5MHz_Middle_16QAM_12@13	20.18	16.88	0.049	2	Pass
5MHz_Middle_16QAM_25@0	20.24	16.94	0.049	2	Pass
5MHz_High_QPSK_1@0	22.12	18.82	0.076	2	Pass
5MHz_High_QPSK_1@12	22.32	19.02	0.080	2	Pass
5MHz_High_QPSK_1@24	22.08	18.78	0.076	2	Pass
5MHz_High_QPSK_12@0	21.19	17.89	0.062	2	Pass
5MHz_High_QPSK_12@7	21.28	17.98	0.063	2	Pass
5MHz_High_QPSK_12@13	21.21	17.91	0.062	2	Pass
5MHz_High_QPSK_25@0	21.22	17.92	0.062	2	Pass
5MHz_High_16QAM_1@0	21.18	17.88	0.061	2	Pass
5MHz_High_16QAM_1@12	21.35	18.05	0.064	2	Pass
5MHz_High_16QAM_1@24	21.11	17.81	0.060	2	Pass
5MHz_High_16QAM_12@0	20.26	16.96	0.050	2	Pass
5MHz_High_16QAM_12@7	20.34	17.04	0.051	2	Pass
5MHz_High_16QAM_12@13	20.25	16.95	0.050	2	Pass
5MHz_High_16QAM_25@0	20.24	16.94	0.049	2	Pass
10MHz_Low_QPSK_1@0	22.45	19.15	0.082	2	Pass
10MHz_Low_QPSK_1@25	22.61	19.31	0.085	2	Pass
10MHz_Low_QPSK_1@49	22.46	19.16	0.082	2	Pass
10MHz_Low_QPSK_25@0	21.17	17.87	0.061	2	Pass
10MHz_Low_QPSK_25@12	21.15	17.85	0.061	2	Pass
10MHz_Low_QPSK_25@25	21.16	17.86	0.061	2	Pass

Mode	Average Conducted Power(dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
10MHz_Low_QPSK_50@0	21.07	17.77	0.060	2	Pass
10MHz_Low_16QAM_1@0	20.87	17.57	0.057	2	Pass
10MHz_Low_16QAM_1@25	21.04	17.74	0.059	2	Pass
10MHz_Low_16QAM_1@49	20.86	17.56	0.057	2	Pass
10MHz_Low_16QAM_25@0	20.12	16.82	0.048	2	Pass
10MHz_Low_16QAM_25@12	20.22	16.92	0.049	2	Pass
10MHz_Low_16QAM_25@25	20.17	16.87	0.049	2	Pass
10MHz_Low_16QAM_50@0	20.07	16.77	0.048	2	Pass
10MHz_Middle_QPSK_1@0	22.09	18.79	0.076	2	Pass
10MHz_Middle_QPSK_1@25	22.25	18.95	0.079	2	Pass
10MHz_Middle_QPSK_1@49	22.08	18.78	0.076	2	Pass
10MHz_Middle_QPSK_25@0	21.12	17.82	0.061	2	Pass
10MHz_Middle_QPSK_25@12	21.14	17.84	0.061	2	Pass
10MHz_Middle_QPSK_25@25	21.15	17.85	0.061	2	Pass
10MHz_Middle_QPSK_50@0	21.12	17.82	0.061	2	Pass
10MHz_Middle_16QAM_1@0	21.06	17.76	0.060	2	Pass
10MHz_Middle_16QAM_1@25	21.24	17.94	0.062	2	Pass
10MHz_Middle_16QAM_1@49	21.06	17.76	0.060	2	Pass
10MHz_Middle_16QAM_25@0	20.17	16.87	0.049	2	Pass
10MHz_Middle_16QAM_25@12	20.22	16.92	0.049	2	Pass
10MHz_Middle_16QAM_25@25	20.24	16.94	0.049	2	Pass
10MHz_Middle_16QAM_50@0	20.08	16.78	0.048	2	Pass
10MHz_High_QPSK_1@0	22.38	19.08	0.081	2	Pass
10MHz_High_QPSK_1@25	22.55	19.25	0.084	2	Pass
10MHz_High_QPSK_1@49	22.34	19.04	0.080	2	Pass
10MHz_High_QPSK_25@0	21.40	18.10	0.065	2	Pass
10MHz_High_QPSK_25@12	21.31	18.01	0.063	2	Pass
10MHz_High_QPSK_25@25	21.28	17.98	0.063	2	Pass
10MHz_High_QPSK_50@0	21.34	18.04	0.064	2	Pass
10MHz_High_16QAM_1@0	21.57	18.27	0.067	2	Pass
10MHz_High_16QAM_1@25	21.76	18.46	0.070	2	Pass
10MHz_High_16QAM_1@49	21.56	18.26	0.067	2	Pass
10MHz_High_16QAM_25@0	20.37	17.07	0.051	2	Pass
10MHz_High_16QAM_25@12	20.35	17.05	0.051	2	Pass

Mode	Average Conducted Power(dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
10MHz_High_16QAM_25@25	20.34	17.04	0.051	2	Pass
10MHz_High_16QAM_50@0	20.32	17.02	0.050	2	Pass
15MHz_Low_QPSK_1@0	22.64	19.34	0.086	2	Pass
15MHz_Low_QPSK_1@37	22.29	18.99	0.079	2	Pass
15MHz_Low_QPSK_1@74	22.10	18.80	0.076	2	Pass
15MHz_Low_QPSK_36@0	21.09	17.79	0.060	2	Pass
15MHz_Low_QPSK_36@20	21.12	17.82	0.061	2	Pass
15MHz_Low_QPSK_36@39	21.08	17.78	0.060	2	Pass
15MHz_Low_QPSK_75@0	21.06	17.76	0.060	2	Pass
15MHz_Low_16QAM_1@0	21.15	17.85	0.061	2	Pass
15MHz_Low_16QAM_1@37	21.32	18.02	0.063	2	Pass
15MHz_Low_16QAM_1@74	21.13	17.83	0.061	2	Pass
15MHz_Low_16QAM_36@0	20.04	16.74	0.047	2	Pass
15MHz_Low_16QAM_36@20	20.09	16.79	0.048	2	Pass
15MHz_Low_16QAM_36@39	20.02	16.72	0.047	2	Pass
15MHz_Low_16QAM_75@0	20	16.70	0.047	2	Pass
15MHz_Middle_QPSK_1@0	22.02	18.72	0.074	2	Pass
15MHz_Middle_QPSK_1@37	22.26	18.96	0.079	2	Pass
15MHz_Middle_QPSK_1@74	22.02	18.72	0.074	2	Pass
15MHz_Middle_QPSK_36@0	21.14	17.84	0.061	2	Pass
15MHz_Middle_QPSK_36@20	21.19	17.89	0.062	2	Pass
15MHz_Middle_QPSK_36@39	21.19	17.89	0.062	2	Pass
15MHz_Middle_QPSK_75@0	21.19	17.89	0.062	2	Pass
15MHz_Middle_16QAM_1@0	21.02	17.72	0.059	2	Pass
15MHz_Middle_16QAM_1@37	21.22	17.92	0.062	2	Pass
15MHz_Middle_16QAM_1@74	21	17.70	0.059	2	Pass
15MHz_Middle_16QAM_36@0	20.13	16.83	0.048	2	Pass
15MHz_Middle_16QAM_36@20	20.15	16.85	0.048	2	Pass
15MHz_Middle_16QAM_36@39	20.15	16.85	0.048	2	Pass
15MHz_Middle_16QAM_75@0	20.15	16.85	0.048	2	Pass
15MHz_High_QPSK_1@0	22.30	19.00	0.079	2	Pass
15MHz_High_QPSK_1@37	22.51	19.21	0.083	2	Pass
15MHz_High_QPSK_1@74	22.28	18.98	0.079	2	Pass
15MHz_High_QPSK_36@0	21.27	17.97	0.063	2	Pass

Mode	Average Conducted Power(dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
15MHz_High_QPSK_36@20	21.24	17.94	0.062	2	Pass
15MHz_High_QPSK_36@39	21.30	18.00	0.063	2	Pass
15MHz_High_QPSK_75@0	21.30	18.00	0.063	2	Pass
15MHz_High_16QAM_1@0	21.49	18.19	0.066	2	Pass
15MHz_High_16QAM_1@37	21.72	18.42	0.070	2	Pass
15MHz_High_16QAM_1@74	21.47	18.17	0.066	2	Pass
15MHz_High_16QAM_36@0	20.27	16.97	0.050	2	Pass
15MHz_High_16QAM_36@20	20.25	16.95	0.050	2	Pass
15MHz_High_16QAM_36@39	20.31	17.01	0.050	2	Pass
15MHz_High_16QAM_75@0	20.31	17.01	0.050	2	Pass
20MHz_Low_QPSK_1@0	22.29	18.99	0.079	2	Pass
20MHz_Low_QPSK_1@49	22.03	18.73	0.075	2	Pass
20MHz_Low_QPSK_1@99	21.79	18.49	0.071	2	Pass
20MHz_Low_QPSK_50@0	21.08	17.78	0.060	2	Pass
20MHz_Low_QPSK_50@24	21.10	17.80	0.060	2	Pass
20MHz_Low_QPSK_50@50	21.10	17.80	0.060	2	Pass
20MHz_Low_QPSK_100@0	21.10	17.80	0.060	2	Pass
20MHz_Low_16QAM_1@0	21.14	17.84	0.061	2	Pass
20MHz_Low_16QAM_1@49	21.41	18.11	0.065	2	Pass
20MHz_Low_16QAM_1@99	21.19	17.89	0.062	2	Pass
20MHz_Low_16QAM_50@0	20.04	16.74	0.047	2	Pass
20MHz_Low_16QAM_50@24	20.06	16.76	0.047	2	Pass
20MHz_Low_16QAM_50@50	20.06	16.76	0.047	2	Pass
20MHz_Low_16QAM_100@0	20.10	16.80	0.048	2	Pass
20MHz_Middle_QPSK_1@0	21.87	18.57	0.072	2	Pass
20MHz_Middle_QPSK_1@49	22.25	18.95	0.079	2	Pass
20MHz_Middle_QPSK_1@99	21.90	18.60	0.072	2	Pass
20MHz_Middle_QPSK_50@0	21.19	17.89	0.062	2	Pass
20MHz_Middle_QPSK_50@24	21.16	17.86	0.061	2	Pass
20MHz_Middle_QPSK_50@50	21.20	17.90	0.062	2	Pass
20MHz_Middle_QPSK_100@0	21.19	17.89	0.062	2	Pass
20MHz_Middle_16QAM_1@0	21.57	18.27	0.067	2	Pass
20MHz_Middle_16QAM_1@49	21.85	18.55	0.072	2	Pass
20MHz_Middle_16QAM_1@99	21.54	18.24	0.067	2	Pass

Mode	Average Conducted Power(dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
20MHz_Middle_16QAM_50@0	20.15	16.85	0.048	2	Pass
20MHz_Middle_16QAM_50@24	20.16	16.86	0.049	2	Pass
20MHz_Middle_16QAM_50@50	20.20	16.90	0.049	2	Pass
20MHz_Middle_16QAM_100@0	20.16	16.86	0.049	2	Pass
20MHz_High_QPSK_1@0	21.84	18.54	0.071	2	Pass
20MHz_High_QPSK_1@49	22.21	18.91	0.078	2	Pass
20MHz_High_QPSK_1@99	21.94	18.64	0.073	2	Pass
20MHz_High_QPSK_50@0	21.25	17.95	0.062	2	Pass
20MHz_High_QPSK_50@24	21.17	17.87	0.061	2	Pass
20MHz_High_QPSK_50@50	21.18	17.88	0.061	2	Pass
20MHz_High_QPSK_100@0	21.18	17.88	0.061	2	Pass
20MHz_High_16QAM_1@0	21.20	17.90	0.062	2	Pass
20MHz_High_16QAM_1@49	21.56	18.26	0.067	2	Pass
20MHz_High_16QAM_1@99	21.32	18.02	0.063	2	Pass
20MHz_High_16QAM_50@0	20.27	16.97	0.050	2	Pass
20MHz_High_16QAM_50@24	20.23	16.93	0.049	2	Pass
20MHz_High_16QAM_50@50	20.19	16.89	0.049	2	Pass
20MHz_High_16QAM_100@0	20.20	16.90	0.049	2	Pass

Note:

EIRP = Average Conducted Power(dBm) + Antenna Gain(dBi) - Cable Loss(dB)

1.Antenna Gain = -3.1dBi;

2.Cable Loss = 0.2dB.

FCC Part 27

B4 , Normal

Mode	Average Conducted Power(dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
1.4MHz_Low_QPSK_1@0	22.10	15.69	0.037	1	Pass
1.4MHz_Low_QPSK_1@3	22.21	15.80	0.038	1	Pass
1.4MHz_Low_QPSK_1@5	22.07	15.66	0.037	1	Pass
1.4MHz_Low_QPSK_3@0	21.98	15.57	0.036	1	Pass
1.4MHz_Low_QPSK_3@1	22.05	15.64	0.037	1	Pass
1.4MHz_Low_QPSK_3@3	22.02	15.61	0.036	1	Pass
1.4MHz_Low_QPSK_6@0	20.95	14.54	0.028	1	Pass
1.4MHz_Low_16QAM_1@0	21.25	14.84	0.030	1	Pass
1.4MHz_Low_16QAM_1@3	21.44	15.03	0.032	1	Pass
1.4MHz_Low_16QAM_1@5	21.27	14.86	0.031	1	Pass
1.4MHz_Low_16QAM_3@0	21.27	14.86	0.031	1	Pass
1.4MHz_Low_16QAM_3@1	21.27	14.86	0.031	1	Pass
1.4MHz_Low_16QAM_3@3	21.30	14.89	0.031	1	Pass
1.4MHz_Low_16QAM_6@0	19.93	13.52	0.022	1	Pass
1.4MHz_Middle_QPSK_1@0	22.16	15.75	0.038	1	Pass
1.4MHz_Middle_QPSK_1@3	22.18	15.77	0.038	1	Pass
1.4MHz_Middle_QPSK_1@5	22.06	15.65	0.037	1	Pass
1.4MHz_Middle_QPSK_3@0	21.97	15.56	0.036	1	Pass
1.4MHz_Middle_QPSK_3@1	22.05	15.64	0.037	1	Pass
1.4MHz_Middle_QPSK_3@3	21.99	15.58	0.036	1	Pass
1.4MHz_Middle_QPSK_6@0	20.90	14.49	0.028	1	Pass
1.4MHz_Middle_16QAM_1@0	21.27	14.86	0.031	1	Pass
1.4MHz_Middle_16QAM_1@3	21.39	14.98	0.031	1	Pass
1.4MHz_Middle_16QAM_1@5	21.25	14.84	0.030	1	Pass
1.4MHz_Middle_16QAM_3@0	21.22	14.81	0.030	1	Pass
1.4MHz_Middle_16QAM_3@1	21.28	14.87	0.031	1	Pass
1.4MHz_Middle_16QAM_3@3	21.29	14.88	0.031	1	Pass
1.4MHz_Middle_16QAM_6@0	19.89	13.48	0.022	1	Pass
1.4MHz_High_QPSK_1@0	21.75	15.34	0.034	1	Pass
1.4MHz_High_QPSK_1@3	21.93	15.52	0.036	1	Pass

Mode	Average Conducted Power(dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
1.4MHz_High_QPSK_1@5	21.74	15.33	0.034	1	Pass
1.4MHz_High_QPSK_3@0	21.90	15.49	0.035	1	Pass
1.4MHz_High_QPSK_3@1	21.97	15.56	0.036	1	Pass
1.4MHz_High_QPSK_3@3	21.95	15.54	0.036	1	Pass
1.4MHz_High_QPSK_6@0	20.96	14.55	0.029	1	Pass
1.4MHz_High_16QAM_1@0	20.66	14.25	0.027	1	Pass
1.4MHz_High_16QAM_1@3	20.85	14.44	0.028	1	Pass
1.4MHz_High_16QAM_1@5	20.66	14.25	0.027	1	Pass
1.4MHz_High_16QAM_3@0	21.06	14.65	0.029	1	Pass
1.4MHz_High_16QAM_3@1	21.12	14.71	0.030	1	Pass
1.4MHz_High_16QAM_3@3	21.05	14.64	0.029	1	Pass
1.4MHz_High_16QAM_6@0	20.16	13.75	0.024	1	Pass
3MHz_Low_QPSK_1@0	21.83	15.42	0.035	1	Pass
3MHz_Low_QPSK_1@8	21.87	15.46	0.035	1	Pass
3MHz_Low_QPSK_1@14	21.86	15.45	0.035	1	Pass
3MHz_Low_QPSK_8@0	20.95	14.54	0.028	1	Pass
3MHz_Low_QPSK_8@4	20.98	14.57	0.029	1	Pass
3MHz_Low_QPSK_8@7	20.94	14.53	0.028	1	Pass
3MHz_Low_QPSK_15@0	20.95	14.54	0.028	1	Pass
3MHz_Low_16QAM_1@0	20.75	14.34	0.027	1	Pass
3MHz_Low_16QAM_1@8	20.75	14.34	0.027	1	Pass
3MHz_Low_16QAM_1@14	20.68	14.27	0.027	1	Pass
3MHz_Low_16QAM_8@0	19.96	13.55	0.023	1	Pass
3MHz_Low_16QAM_8@4	19.99	13.58	0.023	1	Pass
3MHz_Low_16QAM_8@7	19.97	13.56	0.023	1	Pass
3MHz_Low_16QAM_15@0	19.97	13.56	0.023	1	Pass
3MHz_Middle_QPSK_1@0	21.85	15.44	0.035	1	Pass
3MHz_Middle_QPSK_1@8	21.89	15.48	0.035	1	Pass
3MHz_Middle_QPSK_1@14	21.90	15.49	0.035	1	Pass
3MHz_Middle_QPSK_8@0	20.93	14.52	0.028	1	Pass
3MHz_Middle_QPSK_8@4	20.96	14.55	0.029	1	Pass
3MHz_Middle_QPSK_8@7	20.93	14.52	0.028	1	Pass
3MHz_Middle_QPSK_15@0	20.94	14.53	0.028	1	Pass
3MHz_Middle_16QAM_1@0	20.86	14.45	0.028	1	Pass

Mode	Average Conducted Power(dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
3MHz_Middle_16QAM_1@8	20.82	14.41	0.028	1	Pass
3MHz_Middle_16QAM_1@14	20.81	14.40	0.028	1	Pass
3MHz_Middle_16QAM_8@0	20	13.59	0.023	1	Pass
3MHz_Middle_16QAM_8@4	20.03	13.62	0.023	1	Pass
3MHz_Middle_16QAM_8@7	19.97	13.56	0.023	1	Pass
3MHz_Middle_16QAM_15@0	20.01	13.60	0.023	1	Pass
3MHz_High_QPSK_1@0	22.05	15.64	0.037	1	Pass
3MHz_High_QPSK_1@8	22.08	15.67	0.037	1	Pass
3MHz_High_QPSK_1@14	22.09	15.68	0.037	1	Pass
3MHz_High_QPSK_8@0	20.93	14.52	0.028	1	Pass
3MHz_High_QPSK_8@4	20.93	14.52	0.028	1	Pass
3MHz_High_QPSK_8@7	20.90	14.49	0.028	1	Pass
3MHz_High_QPSK_15@0	20.88	14.47	0.028	1	Pass
3MHz_High_16QAM_1@0	21.25	14.84	0.030	1	Pass
3MHz_High_16QAM_1@8	21.24	14.83	0.030	1	Pass
3MHz_High_16QAM_1@14	21.27	14.86	0.031	1	Pass
3MHz_High_16QAM_8@0	20.02	13.61	0.023	1	Pass
3MHz_High_16QAM_8@4	20.06	13.65	0.023	1	Pass
3MHz_High_16QAM_8@7	19.99	13.58	0.023	1	Pass
3MHz_High_16QAM_15@0	19.93	13.52	0.022	1	Pass
5MHz_Low_QPSK_1@0	21.78	15.37	0.034	1	Pass
5MHz_Low_QPSK_1@12	22.06	15.65	0.037	1	Pass
5MHz_Low_QPSK_1@24	21.78	15.37	0.034	1	Pass
5MHz_Low_QPSK_12@0	20.96	14.55	0.029	1	Pass
5MHz_Low_QPSK_12@7	20.99	14.58	0.029	1	Pass
5MHz_Low_QPSK_12@13	20.90	14.49	0.028	1	Pass
5MHz_Low_QPSK_25@0	20.93	14.52	0.028	1	Pass
5MHz_Low_16QAM_1@0	20.86	14.45	0.028	1	Pass
5MHz_Low_16QAM_1@12	21.11	14.70	0.030	1	Pass
5MHz_Low_16QAM_1@24	20.80	14.39	0.027	1	Pass
5MHz_Low_16QAM_12@0	20.03	13.62	0.023	1	Pass
5MHz_Low_16QAM_12@7	20.09	13.68	0.023	1	Pass
5MHz_Low_16QAM_12@13	20.04	13.63	0.023	1	Pass
5MHz_Low_16QAM_25@0	19.99	13.58	0.023	1	Pass

Mode	Average Conducted Power(dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
5MHz_Middle_QPSK_1@0	21.77	15.36	0.034	1	Pass
5MHz_Middle_QPSK_1@12	22.08	15.67	0.037	1	Pass
5MHz_Middle_QPSK_1@24	21.81	15.40	0.035	1	Pass
5MHz_Middle_QPSK_12@0	20.84	14.43	0.028	1	Pass
5MHz_Middle_QPSK_12@7	20.96	14.55	0.029	1	Pass
5MHz_Middle_QPSK_12@13	20.90	14.49	0.028	1	Pass
5MHz_Middle_QPSK_25@0	20.90	14.49	0.028	1	Pass
5MHz_Middle_16QAM_1@0	20.80	14.39	0.027	1	Pass
5MHz_Middle_16QAM_1@12	21.11	14.70	0.030	1	Pass
5MHz_Middle_16QAM_1@24	20.83	14.42	0.028	1	Pass
5MHz_Middle_16QAM_12@0	19.96	13.55	0.023	1	Pass
5MHz_Middle_16QAM_12@7	20.03	13.62	0.023	1	Pass
5MHz_Middle_16QAM_12@13	19.96	13.55	0.023	1	Pass
5MHz_Middle_16QAM_25@0	19.91	13.50	0.022	1	Pass
5MHz_High_QPSK_1@0	21.74	15.33	0.034	1	Pass
5MHz_High_QPSK_1@12	22.02	15.61	0.036	1	Pass
5MHz_High_QPSK_1@24	21.75	15.34	0.034	1	Pass
5MHz_High_QPSK_12@0	20.90	14.49	0.028	1	Pass
5MHz_High_QPSK_12@7	20.95	14.54	0.028	1	Pass
5MHz_High_QPSK_12@13	20.93	14.52	0.028	1	Pass
5MHz_High_QPSK_25@0	20.89	14.48	0.028	1	Pass
5MHz_High_16QAM_1@0	21.40	14.99	0.032	1	Pass
5MHz_High_16QAM_1@12	21.67	15.26	0.034	1	Pass
5MHz_High_16QAM_1@24	21.38	14.97	0.031	1	Pass
5MHz_High_16QAM_12@0	20.02	13.61	0.023	1	Pass
5MHz_High_16QAM_12@7	20.08	13.67	0.023	1	Pass
5MHz_High_16QAM_12@13	20.01	13.60	0.023	1	Pass
5MHz_High_16QAM_25@0	20.05	13.64	0.023	1	Pass
10MHz_Low_QPSK_1@0	21.89	15.48	0.035	1	Pass
10MHz_Low_QPSK_1@25	22.06	15.65	0.037	1	Pass
10MHz_Low_QPSK_1@49	21.92	15.51	0.036	1	Pass
10MHz_Low_QPSK_25@0	20.99	14.58	0.029	1	Pass
10MHz_Low_QPSK_25@12	20.98	14.57	0.029	1	Pass
10MHz_Low_QPSK_25@25	20.96	14.55	0.029	1	Pass

Mode	Average Conducted Power(dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
10MHz_Low_QPSK_50@0	20.98	14.57	0.029	1	Pass
10MHz_Low_16QAM_1@0	20.87	14.46	0.028	1	Pass
10MHz_Low_16QAM_1@25	20.99	14.58	0.029	1	Pass
10MHz_Low_16QAM_1@49	20.86	14.45	0.028	1	Pass
10MHz_Low_16QAM_25@0	20.14	13.73	0.024	1	Pass
10MHz_Low_16QAM_25@12	20.11	13.70	0.023	1	Pass
10MHz_Low_16QAM_25@25	20.09	13.68	0.023	1	Pass
10MHz_Low_16QAM_50@0	20	13.59	0.023	1	Pass
10MHz_Middle_QPSK_1@0	22.02	15.61	0.036	1	Pass
10MHz_Middle_QPSK_1@25	22.19	15.78	0.038	1	Pass
10MHz_Middle_QPSK_1@49	22.07	15.66	0.037	1	Pass
10MHz_Middle_QPSK_25@0	20.94	14.53	0.028	1	Pass
10MHz_Middle_QPSK_25@12	20.93	14.52	0.028	1	Pass
10MHz_Middle_QPSK_25@25	20.96	14.55	0.029	1	Pass
10MHz_Middle_QPSK_50@0	20.91	14.50	0.028	1	Pass
10MHz_Middle_16QAM_1@0	21.19	14.78	0.030	1	Pass
10MHz_Middle_16QAM_1@25	21.35	14.94	0.031	1	Pass
10MHz_Middle_16QAM_1@49	21.24	14.83	0.030	1	Pass
10MHz_Middle_16QAM_25@0	20.05	13.64	0.023	1	Pass
10MHz_Middle_16QAM_25@12	20.02	13.61	0.023	1	Pass
10MHz_Middle_16QAM_25@25	20.04	13.63	0.023	1	Pass
10MHz_Middle_16QAM_50@0	19.97	13.56	0.023	1	Pass
10MHz_High_QPSK_1@0	21.76	15.35	0.034	1	Pass
10MHz_High_QPSK_1@25	21.89	15.48	0.035	1	Pass
10MHz_High_QPSK_1@49	21.75	15.34	0.034	1	Pass
10MHz_High_QPSK_25@0	20.91	14.50	0.028	1	Pass
10MHz_High_QPSK_25@12	20.90	14.49	0.028	1	Pass
10MHz_High_QPSK_25@25	20.93	14.52	0.028	1	Pass
10MHz_High_QPSK_50@0	20.91	14.50	0.028	1	Pass
10MHz_High_16QAM_1@0	20.67	14.26	0.027	1	Pass
10MHz_High_16QAM_1@25	20.77	14.36	0.027	1	Pass
10MHz_High_16QAM_1@49	20.64	14.23	0.026	1	Pass
10MHz_High_16QAM_25@0	20.03	13.62	0.023	1	Pass
10MHz_High_16QAM_25@12	20.05	13.64	0.023	1	Pass

Mode	Average Conducted Power(dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
10MHz_High_16QAM_25@25	20.09	13.68	0.023	1	Pass
10MHz_High_16QAM_50@0	19.96	13.55	0.023	1	Pass
15MHz_Low_QPSK_1@0	22.31	15.90	0.039	1	Pass
15MHz_Low_QPSK_1@37	21.98	15.57	0.036	1	Pass
15MHz_Low_QPSK_1@74	21.76	15.35	0.034	1	Pass
15MHz_Low_QPSK_36@0	20.97	14.56	0.029	1	Pass
15MHz_Low_QPSK_36@20	20.98	14.57	0.029	1	Pass
15MHz_Low_QPSK_36@39	20.98	14.57	0.029	1	Pass
15MHz_Low_QPSK_75@0	20.98	14.57	0.029	1	Pass
15MHz_Low_16QAM_1@0	20.77	14.36	0.027	1	Pass
15MHz_Low_16QAM_1@37	20.96	14.55	0.029	1	Pass
15MHz_Low_16QAM_1@74	20.72	14.31	0.027	1	Pass
15MHz_Low_16QAM_36@0	20.01	13.60	0.023	1	Pass
15MHz_Low_16QAM_36@20	20.01	13.60	0.023	1	Pass
15MHz_Low_16QAM_36@39	20.01	13.60	0.023	1	Pass
15MHz_Low_16QAM_75@0	19.97	13.56	0.023	1	Pass
15MHz_Middle_QPSK_1@0	22.01	15.60	0.036	1	Pass
15MHz_Middle_QPSK_1@37	22.18	15.77	0.038	1	Pass
15MHz_Middle_QPSK_1@74	21.97	15.56	0.036	1	Pass
15MHz_Middle_QPSK_36@0	20.97	14.56	0.029	1	Pass
15MHz_Middle_QPSK_36@20	20.93	14.52	0.028	1	Pass
15MHz_Middle_QPSK_36@39	20.99	14.58	0.029	1	Pass
15MHz_Middle_QPSK_75@0	21	14.59	0.029	1	Pass
15MHz_Middle_16QAM_1@0	21.19	14.78	0.030	1	Pass
15MHz_Middle_16QAM_1@37	21.36	14.95	0.031	1	Pass
15MHz_Middle_16QAM_1@74	21.17	14.76	0.030	1	Pass
15MHz_Middle_16QAM_36@0	19.95	13.54	0.023	1	Pass
15MHz_Middle_16QAM_36@20	19.98	13.57	0.023	1	Pass
15MHz_Middle_16QAM_36@39	19.95	13.54	0.023	1	Pass
15MHz_Middle_16QAM_75@0	19.99	13.58	0.023	1	Pass
15MHz_High_QPSK_1@0	21.87	15.46	0.035	1	Pass
15MHz_High_QPSK_1@37	22.05	15.64	0.037	1	Pass
15MHz_High_QPSK_1@74	21.86	15.45	0.035	1	Pass
15MHz_High_QPSK_36@0	20.92	14.51	0.028	1	Pass

Mode	Average Conducted Power(dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
15MHz_High_QPSK_36@20	20.93	14.52	0.028	1	Pass
15MHz_High_QPSK_36@39	20.90	14.49	0.028	1	Pass
15MHz_High_QPSK_75@0	20.95	14.54	0.028	1	Pass
15MHz_High_16QAM_1@0	20.85	14.44	0.028	1	Pass
15MHz_High_16QAM_1@37	21.04	14.63	0.029	1	Pass
15MHz_High_16QAM_1@74	20.84	14.43	0.028	1	Pass
15MHz_High_16QAM_36@0	19.92	13.51	0.022	1	Pass
15MHz_High_16QAM_36@20	19.92	13.51	0.022	1	Pass
15MHz_High_16QAM_36@39	19.89	13.48	0.022	1	Pass
15MHz_High_16QAM_75@0	19.93	13.52	0.022	1	Pass
20MHz_Low_QPSK_1@0	22.03	15.62	0.036	1	Pass
20MHz_Low_QPSK_1@49	21.82	15.41	0.035	1	Pass
20MHz_Low_QPSK_1@99	21.52	15.11	0.032	1	Pass
20MHz_Low_QPSK_50@0	20.92	14.51	0.028	1	Pass
20MHz_Low_QPSK_50@24	20.93	14.52	0.028	1	Pass
20MHz_Low_QPSK_50@50	20.85	14.44	0.028	1	Pass
20MHz_Low_QPSK_100@0	20.90	14.49	0.028	1	Pass
20MHz_Low_16QAM_1@0	20.90	14.49	0.028	1	Pass
20MHz_Low_16QAM_1@49	21.22	14.81	0.030	1	Pass
20MHz_Low_16QAM_1@99	20.88	14.47	0.028	1	Pass
20MHz_Low_16QAM_50@0	19.94	13.53	0.023	1	Pass
20MHz_Low_16QAM_50@24	19.93	13.52	0.022	1	Pass
20MHz_Low_16QAM_50@50	19.89	13.48	0.022	1	Pass
20MHz_Low_16QAM_100@0	19.95	13.54	0.023	1	Pass
20MHz_Middle_QPSK_1@0	21.60	15.19	0.033	1	Pass
20MHz_Middle_QPSK_1@49	21.96	15.55	0.036	1	Pass
20MHz_Middle_QPSK_1@99	21.62	15.21	0.033	1	Pass
20MHz_Middle_QPSK_50@0	20.91	14.50	0.028	1	Pass
20MHz_Middle_QPSK_50@24	20.89	14.48	0.028	1	Pass
20MHz_Middle_QPSK_50@50	20.88	14.47	0.028	1	Pass
20MHz_Middle_QPSK_100@0	20.94	14.53	0.028	1	Pass
20MHz_Middle_16QAM_1@0	21.26	14.85	0.031	1	Pass
20MHz_Middle_16QAM_1@49	21.68	15.27	0.034	1	Pass
20MHz_Middle_16QAM_1@99	21.28	14.87	0.031	1	Pass

Mode	Average Conducted Power(dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
20MHz_Middle_16QAM_50@0	19.98	13.57	0.023	1	Pass
20MHz_Middle_16QAM_50@24	19.93	13.52	0.022	1	Pass
20MHz_Middle_16QAM_50@50	19.94	13.53	0.023	1	Pass
20MHz_Middle_16QAM_100@0	19.94	13.53	0.023	1	Pass
20MHz_High_QPSK_1@0	21.52	15.11	0.032	1	Pass
20MHz_High_QPSK_1@49	21.81	15.40	0.035	1	Pass
20MHz_High_QPSK_1@99	21.54	15.13	0.033	1	Pass
20MHz_High_QPSK_50@0	20.86	14.45	0.028	1	Pass
20MHz_High_QPSK_50@24	20.89	14.48	0.028	1	Pass
20MHz_High_QPSK_50@50	20.87	14.46	0.028	1	Pass
20MHz_High_QPSK_100@0	20.89	14.48	0.028	1	Pass
20MHz_High_16QAM_1@0	20.91	14.50	0.028	1	Pass
20MHz_High_16QAM_1@49	21.28	14.87	0.031	1	Pass
20MHz_High_16QAM_1@99	20.93	14.52	0.028	1	Pass
20MHz_High_16QAM_50@0	19.95	13.54	0.023	1	Pass
20MHz_High_16QAM_50@24	19.96	13.55	0.023	1	Pass
20MHz_High_16QAM_50@50	19.92	13.51	0.022	1	Pass
20MHz_High_16QAM_100@0	19.95	13.54	0.023	1	Pass

Note:

EIRP = Average Conducted Power(dBm) + Antenna Gain(dBi) - Cable Loss(dB)

1.Antenna Gain = -6.21dBi;

2.Cable Loss = 0.2dB.

B7, Normal

Mode	Average Conducted Power(dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
5MHz_Low_QPSK_1@0	21.76	22.13	0.163	2	Pass
5MHz_Low_QPSK_1@12	22.03	22.40	0.174	2	Pass
5MHz_Low_QPSK_1@24	21.78	22.15	0.164	2	Pass
5MHz_Low_QPSK_12@0	20.92	21.29	0.135	2	Pass
5MHz_Low_QPSK_12@7	20.95	21.32	0.136	2	Pass
5MHz_Low_QPSK_12@13	20.97	21.34	0.136	2	Pass
5MHz_Low_QPSK_25@0	20.90	21.27	0.134	2	Pass
5MHz_Low_16QAM_1@0	20.85	21.22	0.132	2	Pass

Mode	Average Conducted Power(dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
5MHz_Low_16QAM_1@12	21.06	21.43	0.139	2	Pass
5MHz_Low_16QAM_1@24	20.86	21.23	0.133	2	Pass
5MHz_Low_16QAM_12@0	20.05	20.42	0.110	2	Pass
5MHz_Low_16QAM_12@7	20.12	20.49	0.112	2	Pass
5MHz_Low_16QAM_12@13	20.08	20.45	0.111	2	Pass
5MHz_Low_16QAM_25@0	20.03	20.40	0.110	2	Pass
5MHz_Middle_QPSK_1@0	21.98	22.35	0.172	2	Pass
5MHz_Middle_QPSK_1@12	22.16	22.53	0.179	2	Pass
5MHz_Middle_QPSK_1@24	21.96	22.33	0.171	2	Pass
5MHz_Middle_QPSK_12@0	20.99	21.36	0.137	2	Pass
5MHz_Middle_QPSK_12@7	21.08	21.45	0.140	2	Pass
5MHz_Middle_QPSK_12@13	21.05	21.42	0.139	2	Pass
5MHz_Middle_QPSK_25@0	21.03	21.40	0.138	2	Pass
5MHz_Middle_16QAM_1@0	20.96	21.33	0.136	2	Pass
5MHz_Middle_16QAM_1@12	21.23	21.60	0.145	2	Pass
5MHz_Middle_16QAM_1@24	20.99	21.36	0.137	2	Pass
5MHz_Middle_16QAM_12@0	20.18	20.55	0.114	2	Pass
5MHz_Middle_16QAM_12@7	20.17	20.54	0.113	2	Pass
5MHz_Middle_16QAM_12@13	20.16	20.53	0.113	2	Pass
5MHz_Middle_16QAM_25@0	20.16	20.53	0.113	2	Pass
5MHz_High_QPSK_1@0	21.96	22.33	0.171	2	Pass
5MHz_High_QPSK_1@12	22.25	22.62	0.183	2	Pass
5MHz_High_QPSK_1@24	22.04	22.41	0.174	2	Pass
5MHz_High_QPSK_12@0	21.14	21.51	0.142	2	Pass
5MHz_High_QPSK_12@7	21.19	21.56	0.143	2	Pass
5MHz_High_QPSK_12@13	21.15	21.52	0.142	2	Pass
5MHz_High_QPSK_25@0	21.16	21.53	0.142	2	Pass
5MHz_High_16QAM_1@0	21.68	22.05	0.160	2	Pass
5MHz_High_16QAM_1@12	21.96	22.33	0.171	2	Pass
5MHz_High_16QAM_1@24	21.68	22.05	0.160	2	Pass
5MHz_High_16QAM_12@0	20.34	20.71	0.118	2	Pass
5MHz_High_16QAM_12@7	20.33	20.70	0.117	2	Pass
5MHz_High_16QAM_12@13	20.27	20.64	0.116	2	Pass
5MHz_High_16QAM_25@0	20.38	20.75	0.119	2	Pass

Mode	Average Conducted Power(dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
10MHz_Low_QPSK_1@0	22.32	22.69	0.186	2	Pass
10MHz_Low_QPSK_1@25	22.60	22.97	0.198	2	Pass
10MHz_Low_QPSK_1@49	21.85	22.22	0.167	2	Pass
10MHz_Low_QPSK_25@0	20.96	21.33	0.136	2	Pass
10MHz_Low_QPSK_25@12	20.98	21.35	0.136	2	Pass
10MHz_Low_QPSK_25@25	20.99	21.36	0.137	2	Pass
10MHz_Low_QPSK_50@0	20.99	21.36	0.137	2	Pass
10MHz_Low_16QAM_1@0	20.83	21.20	0.132	2	Pass
10MHz_Low_16QAM_1@25	21.01	21.38	0.137	2	Pass
10MHz_Low_16QAM_1@49	20.89	21.26	0.134	2	Pass
10MHz_Low_16QAM_25@0	20.14	20.51	0.112	2	Pass
10MHz_Low_16QAM_25@12	20.20	20.57	0.114	2	Pass
10MHz_Low_16QAM_25@25	20.20	20.57	0.114	2	Pass
10MHz_Low_16QAM_50@0	20.08	20.45	0.111	2	Pass
10MHz_Middle_QPSK_1@0	22.21	22.58	0.181	2	Pass
10MHz_Middle_QPSK_1@25	22.37	22.74	0.188	2	Pass
10MHz_Middle_QPSK_1@49	22.23	22.60	0.182	2	Pass
10MHz_Middle_QPSK_25@0	21.10	21.47	0.140	2	Pass
10MHz_Middle_QPSK_25@12	21.14	21.51	0.142	2	Pass
10MHz_Middle_QPSK_25@25	21.11	21.48	0.141	2	Pass
10MHz_Middle_QPSK_50@0	21.13	21.50	0.141	2	Pass
10MHz_Middle_16QAM_1@0	21.44	21.81	0.152	2	Pass
10MHz_Middle_16QAM_1@25	21.58	21.95	0.157	2	Pass
10MHz_Middle_16QAM_1@49	21.46	21.83	0.152	2	Pass
10MHz_Middle_16QAM_25@0	20.30	20.67	0.117	2	Pass
10MHz_Middle_16QAM_25@12	20.28	20.65	0.116	2	Pass
10MHz_Middle_16QAM_25@25	20.25	20.62	0.115	2	Pass
10MHz_Middle_16QAM_50@0	20.22	20.59	0.115	2	Pass
10MHz_High_QPSK_1@0	21.98	22.35	0.172	2	Pass
10MHz_High_QPSK_1@25	22.09	22.46	0.176	2	Pass
10MHz_High_QPSK_1@49	22.02	22.39	0.173	2	Pass
10MHz_High_QPSK_25@0	21.19	21.56	0.143	2	Pass
10MHz_High_QPSK_25@12	21.21	21.58	0.144	2	Pass
10MHz_High_QPSK_25@25	21.26	21.63	0.146	2	Pass

Mode	Average Conducted Power(dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
10MHz_High_QPSK_50@0	21.25	21.62	0.145	2	Pass
10MHz_High_16QAM_1@0	20.85	21.22	0.132	2	Pass
10MHz_High_16QAM_1@25	21.05	21.42	0.139	2	Pass
10MHz_High_16QAM_1@49	20.92	21.29	0.135	2	Pass
10MHz_High_16QAM_25@0	20.37	20.74	0.119	2	Pass
10MHz_High_16QAM_25@12	20.39	20.76	0.119	2	Pass
10MHz_High_16QAM_25@25	20.40	20.77	0.119	2	Pass
10MHz_High_16QAM_50@0	20.38	20.75	0.119	2	Pass
15MHz_Low_QPSK_1@0	22.33	22.70	0.186	2	Pass
15MHz_Low_QPSK_1@37	22.13	22.50	0.178	2	Pass
15MHz_Low_QPSK_1@74	21.95	22.32	0.171	2	Pass
15MHz_Low_QPSK_36@0	20.92	21.29	0.135	2	Pass
15MHz_Low_QPSK_36@20	21	21.37	0.137	2	Pass
15MHz_Low_QPSK_36@39	20.99	21.36	0.137	2	Pass
15MHz_Low_QPSK_75@0	20.99	21.36	0.137	2	Pass
15MHz_Low_16QAM_1@0	20.87	21.24	0.133	2	Pass
15MHz_Low_16QAM_1@37	21.15	21.52	0.142	2	Pass
15MHz_Low_16QAM_1@74	21.03	21.40	0.138	2	Pass
15MHz_Low_16QAM_36@0	19.95	20.32	0.108	2	Pass
15MHz_Low_16QAM_36@20	20.02	20.39	0.109	2	Pass
15MHz_Low_16QAM_36@39	19.99	20.36	0.109	2	Pass
15MHz_Low_16QAM_75@0	20	20.37	0.109	2	Pass
15MHz_Middle_QPSK_1@0	21.92	22.29	0.169	2	Pass
15MHz_Middle_QPSK_1@37	22.16	22.53	0.179	2	Pass
15MHz_Middle_QPSK_1@74	21.89	22.26	0.168	2	Pass
15MHz_Middle_QPSK_36@0	21.06	21.43	0.139	2	Pass
15MHz_Middle_QPSK_36@20	21.12	21.49	0.141	2	Pass
15MHz_Middle_QPSK_36@39	21.10	21.47	0.140	2	Pass
15MHz_Middle_QPSK_75@0	21.11	21.48	0.141	2	Pass
15MHz_Middle_16QAM_1@0	20.93	21.30	0.135	2	Pass
15MHz_Middle_16QAM_1@37	21.07	21.44	0.139	2	Pass
15MHz_Middle_16QAM_1@74	20.88	21.25	0.133	2	Pass
15MHz_Middle_16QAM_36@0	20.16	20.53	0.113	2	Pass
15MHz_Middle_16QAM_36@20	20.16	20.53	0.113	2	Pass

Mode	Average Conducted Power(dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
15MHz_Middle_16QAM_36@39	20.14	20.51	0.112	2	Pass
15MHz_Middle_16QAM_75@0	20.12	20.49	0.112	2	Pass
15MHz_High_QPSK_1@0	22.21	22.58	0.181	2	Pass
15MHz_High_QPSK_1@37	22.47	22.84	0.192	2	Pass
15MHz_High_QPSK_1@74	22.27	22.64	0.184	2	Pass
15MHz_High_QPSK_36@0	21.17	21.54	0.143	2	Pass
15MHz_High_QPSK_36@20	21.24	21.61	0.145	2	Pass
15MHz_High_QPSK_36@39	21.22	21.59	0.144	2	Pass
15MHz_High_QPSK_75@0	21.20	21.57	0.144	2	Pass
15MHz_High_16QAM_1@0	21.44	21.81	0.152	2	Pass
15MHz_High_16QAM_1@37	21.67	22.04	0.160	2	Pass
15MHz_High_16QAM_1@74	21.47	21.84	0.153	2	Pass
15MHz_High_16QAM_36@0	20.21	20.58	0.114	2	Pass
15MHz_High_16QAM_36@20	20.26	20.63	0.116	2	Pass
15MHz_High_16QAM_36@39	20.28	20.65	0.116	2	Pass
15MHz_High_16QAM_75@0	20.26	20.63	0.116	2	Pass
20MHz_Low_QPSK_1@0	22.03	22.40	0.174	2	Pass
20MHz_Low_QPSK_1@49	21.93	22.30	0.170	2	Pass
20MHz_Low_QPSK_1@99	21.64	22.01	0.159	2	Pass
20MHz_Low_QPSK_50@0	20.87	21.24	0.133	2	Pass
20MHz_Low_QPSK_50@24	20.93	21.30	0.135	2	Pass
20MHz_Low_QPSK_50@50	20.88	21.25	0.133	2	Pass
20MHz_Low_QPSK_100@0	20.89	21.26	0.134	2	Pass
20MHz_Low_16QAM_1@0	21.27	21.64	0.146	2	Pass
20MHz_Low_16QAM_1@49	21.64	22.01	0.159	2	Pass
20MHz_Low_16QAM_1@99	21.37	21.74	0.149	2	Pass
20MHz_Low_16QAM_50@0	19.97	20.34	0.108	2	Pass
20MHz_Low_16QAM_50@24	20.03	20.40	0.110	2	Pass
20MHz_Low_16QAM_50@50	19.99	20.36	0.109	2	Pass
20MHz_Low_16QAM_100@0	19.96	20.33	0.108	2	Pass
20MHz_Middle_QPSK_1@0	21.63	22.00	0.158	2	Pass
20MHz_Middle_QPSK_1@49	21.97	22.34	0.171	2	Pass
20MHz_Middle_QPSK_1@99	21.72	22.09	0.162	2	Pass
20MHz_Middle_QPSK_50@0	20.95	21.32	0.136	2	Pass

Mode	Average Conducted Power(dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
20MHz_Middle_QPSK_50@24	20.99	21.36	0.137	2	Pass
20MHz_Middle_QPSK_50@50	21	21.37	0.137	2	Pass
20MHz_Middle_QPSK_100@0	20.95	21.32	0.136	2	Pass
20MHz_Middle_16QAM_1@0	21.07	21.44	0.139	2	Pass
20MHz_Middle_16QAM_1@49	21.41	21.78	0.151	2	Pass
20MHz_Middle_16QAM_1@99	21.14	21.51	0.142	2	Pass
20MHz_Middle_16QAM_50@0	20.03	20.40	0.110	2	Pass
20MHz_Middle_16QAM_50@24	20.14	20.51	0.112	2	Pass
20MHz_Middle_16QAM_50@50	20.10	20.47	0.111	2	Pass
20MHz_Middle_16QAM_100@0	20.06	20.43	0.110	2	Pass
20MHz_High_QPSK_1@0	21.64	22.01	0.159	2	Pass
20MHz_High_QPSK_1@49	21.91	22.28	0.169	2	Pass
20MHz_High_QPSK_1@99	21.71	22.08	0.161	2	Pass
20MHz_High_QPSK_50@0	21.09	21.46	0.140	2	Pass
20MHz_High_QPSK_50@24	21.07	21.44	0.139	2	Pass
20MHz_High_QPSK_50@50	21.06	21.43	0.139	2	Pass
20MHz_High_QPSK_100@0	21.08	21.45	0.140	2	Pass
20MHz_High_16QAM_1@0	21.03	21.40	0.138	2	Pass
20MHz_High_16QAM_1@49	21.38	21.75	0.150	2	Pass
20MHz_High_16QAM_1@99	21.13	21.50	0.141	2	Pass
20MHz_High_16QAM_50@0	20.10	20.47	0.111	2	Pass
20MHz_High_16QAM_50@24	20.11	20.48	0.112	2	Pass
20MHz_High_16QAM_50@50	20.07	20.44	0.111	2	Pass
20MHz_High_16QAM_100@0	20.17	20.54	0.113	2	Pass

Note:

EIRP = Average Conducted Power(dBm) + Antenna Gain(dBi) - Cable Loss(dB)

1.Antenna Gain = 0.67dBi;

2.Cable Loss = 0.3dB.

Peak-to-average Ratio(PAR)**FCC Part 22H****B5 , Normal**

Mode	Result (dB)	Limit (dB)
10MHz_Low_QPSK_1@0	5.07	13
10MHz_Low_QPSK_50@0	5.19	13
10MHz_Low_16QAM_1@0	5.59	13
10MHz_Low_16QAM_50@0	6.06	13
10MHz_Middle_QPSK_1@0	5.10	13
10MHz_Middle_QPSK_50@0	5.30	13
10MHz_Middle_16QAM_1@0	5.94	13
10MHz_Middle_16QAM_50@0	6.14	13
10MHz_High_QPSK_1@0	5.13	13
10MHz_High_QPSK_50@0	5.30	13
10MHz_High_16QAM_1@0	6.09	13
10MHz_High_16QAM_50@0	6.23	13

Note:worst case.