Appendix D

Test Information:

Serial No.:	2YHK-5	**Test Date:**	2025/05/16
Test Site:	RF	**Test Mode:**	Transmitting
Tester:	Loge Long	**Test Result:**	Pass

Environmental Conditions:

Temperature: (°C)	25.2	**Relative Humidity: (%)**	60	**ATM Pressure: (kPa)**	101.2

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Micro-Coax	Coaxial Cable	UFA210A	94089550	2024/06/01	2025/05/31
Eastsheep	Coaxial Attenuator	5W-N-JK-6G-10dB	F-08-EM502	2024/06/07	2025/06/06
All-sun	Multimeter	EM305A	8348897	2024/08/16	2025/08/15
R&S	Spectrum Analyzer	FSV40	101947	2024/09/05	2025/09/04
R&S	Wideband Radio Communication Tester	CMW500	144976	2024/09/05	2025/09/04
Minl-Clrcuits	Coaxial Power Splitters & Combiner	ZFRSC-183-S+	SF448201614	2025/02/25	2026/02/24
Daoxiang	AC Transformer	TDGC2-5KVA	F-08-EM011	N/A	N/A
TDK-Lambda	DC Power Supply	Z+60-14	F-08-EM038-1	N/A	N/A

** Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Frequency stability vs. temperature &Frequency stability vs. voltage Compliance

FCC Part 27

LTE Band 4 , TN/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_QPSK_100@0	1711.069	1728.991	1710 ~ 1755	Pass
20MHz_Low_16QAM_100@0	1711.129	1728.931	1710 ~ 1755	Pass
20MHz_High_QPSK_100@0	1736.129	1753.991	1710 ~ 1755	Pass
20MHz_High_16QAM_100@0	1736.129	1753.991	1710 ~ 1755	Pass

LTE Band 4 , T1/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_QPSK_100@0	1711.069	1728.991	1710 ~ 1755	Pass
20MHz_Low_16QAM_100@0	1711.069	1728.931	1710 ~ 1755	Pass
20MHz_High_QPSK_100@0	1736.129	1753.991	1710 ~ 1755	Pass
20MHz_High_16QAM_100@0	1736.069	1753.991	1710 ~ 1755	Pass

LTE Band 4 , T2/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_QPSK_100@0	1711.129	1728.991	1710 ~ 1755	Pass
20MHz_Low_16QAM_100@0	1711.069	1728.991	1710 ~ 1755	Pass
20MHz_High_QPSK_100@0	1736.129	1753.991	1710 ~ 1755	Pass
20MHz_High_16QAM_100@0	1736.129	1753.991	1710 ~ 1755	Pass

LTE Band 4 , T3/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_QPSK_100@0	1711.129	1728.991	1710 ~ 1755	Pass
20MHz_Low_16QAM_100@0	1711.129	1728.991	1710 ~ 1755	Pass
20MHz_High_QPSK_100@0	1736.129	1753.991	1710 ~ 1755	Pass
20MHz_High_16QAM_100@0	1736.069	1753.991	1710 ~ 1755	Pass

LTE Band 4 , T4/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_QPSK_100@0	1711.069	1728.991	1710 ~ 1755	Pass
20MHz_Low_16QAM_100@0	1711.069	1728.991	1710 ~ 1755	Pass
20MHz_High_QPSK_100@0	1736.129	1753.991	1710 ~ 1755	Pass
20MHz_High_16QAM_100@0	1736.129	1753.991	1710 ~ 1755	Pass

LTE Band 4 , T5/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_QPSK_100@0	1711.069	1728.991	1710 ~ 1755	Pass
20MHz_Low_16QAM_100@0	1711.069	1728.991	1710 ~ 1755	Pass
20MHz_High_QPSK_100@0	1736.129	1753.991	1710 ~ 1755	Pass
20MHz_High_16QAM_100@0	1736.069	1753.991	1710 ~ 1755	Pass

LTE Band 4 , T6/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_QPSK_100@0	1711.129	1728.931	1710 ~ 1755	Pass
20MHz_Low_16QAM_100@0	1711.069	1728.991	1710 ~ 1755	Pass
20MHz_High_QPSK_100@0	1736.069	1753.991	1710 ~ 1755	Pass
20MHz_High_16QAM_100@0	1736.129	1753.991	1710 ~ 1755	Pass

LTE Band 4 , T7/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_QPSK_100@0	1711.069	1728.991	1710 ~ 1755	Pass
20MHz_Low_16QAM_100@0	1711.129	1728.931	1710 ~ 1755	Pass
20MHz_High_QPSK_100@0	1736.129	1753.991	1710 ~ 1755	Pass
20MHz_High_16QAM_100@0	1736.129	1753.991	1710 ~ 1755	Pass

LTE Band 4 , T8/VN

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_QPSK_100@0	1711.069	1728.991	1710 ~ 1755	Pass
20MHz_Low_16QAM_100@0	1711.069	1728.931	1710 ~ 1755	Pass
20MHz_High_QPSK_100@0	1736.129	1753.991	1710 ~ 1755	Pass

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_High_16QAM_100@0	1736.129	1753.991	1710 ~ 1755	Pass

LTE Band 4 , TN/VH

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_QPSK_100@0	1711.129	1728.991	1710 ~ 1755	Pass
20MHz_Low_16QAM_100@0	1711.129	1728.991	1710 ~ 1755	Pass
20MHz_High_QPSK_100@0	1736.129	1753.991	1710 ~ 1755	Pass
20MHz_High_16QAM_100@0	1736.129	1753.931	1710 ~ 1755	Pass

LTE Band 4 , TN/VL

Mode	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_Low_QPSK_100@0	1711.069	1728.991	1710 ~ 1755	Pass
20MHz_Low_16QAM_100@0	1711.069	1728.931	1710 ~ 1755	Pass
20MHz_High_QPSK_100@0	1736.129	1753.991	1710 ~ 1755	Pass
20MHz_High_16QAM_100@0	1736.129	1753.991	1710 ~ 1755	Pass

Note:

TN: 20°C; T1: -30°C; T2: -20°C; T3: -10°C; T4: 0°C; T5: 10°C; T6: 30°C; T7: 40°C; T8: 50°C.

VN: Normal Voltage; VL: Low Voltage; VH: High Voltage.

Occupied Bandwidth

FCC Part 27

LTE Band 4 , Normal

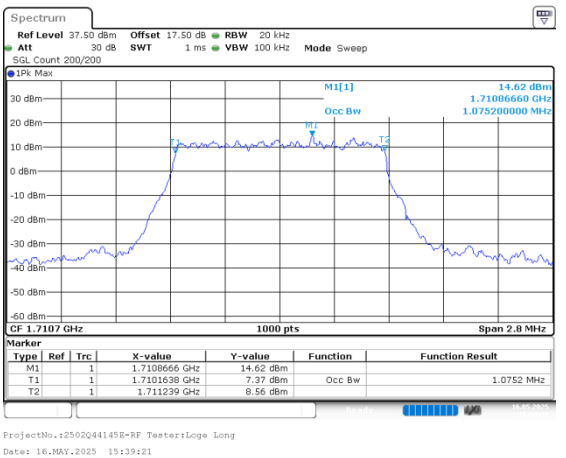
Mode	99% OBW (MHz)	26dB BW (MHz)
1.4MHz_Low_QPSK_6@0	1.075	1.239
1.4MHz_Low_16QAM_6@0	1.086	1.250
1.4MHz_Middle_QPSK_6@0	1.086	1.284
1.4MHz_Middle_16QAM_6@0	1.078	1.270
1.4MHz_High_QPSK_6@0	1.078	1.258
1.4MHz_High_16QAM_6@0	1.081	1.264
3MHz_Low_QPSK_15@0	2.676	2.883
3MHz_Low_16QAM_15@0	2.676	2.889
3MHz_Middle_QPSK_15@0	2.676	2.871
3MHz_Middle_16QAM_15@0	2.682	2.889
3MHz_High_QPSK_15@0	2.682	2.871
3MHz_High_16QAM_15@0	2.676	2.853
5MHz_Low_QPSK_25@0	4.460	4.815
5MHz_Low_16QAM_25@0	4.460	4.805
5MHz_Middle_QPSK_25@0	4.480	4.815
5MHz_Middle_16QAM_25@0	4.470	4.775
5MHz_High_QPSK_25@0	4.460	4.825
5MHz_High_16QAM_25@0	4.460	4.845
10MHz_Low_QPSK_50@0	8.940	9.550
10MHz_Low_16QAM_50@0	8.920	9.530
10MHz_Middle_QPSK_50@0	8.940	9.550
10MHz_Middle_16QAM_50@0	8.940	9.630
10MHz_High_QPSK_50@0	8.940	9.470
10MHz_High_16QAM_50@0	8.940	9.610
15MHz_Low_QPSK_75@0	13.440	14.475
15MHz_Low_16QAM_75@0	13.440	14.444
15MHz_Middle_QPSK_75@0	13.470	14.384
15MHz_Middle_16QAM_75@0	13.440	14.234
15MHz_High_QPSK_75@0	13.410	14.475
15MHz_High_16QAM_75@0	13.410	14.475

Mode	99% OBW (MHz)	26dB BW (MHz)
20MHz_Low_QPSK_100@0	17.880	18.739
20MHz_Low_16QAM_100@0	17.840	18.979
20MHz_Middle_QPSK_100@0	17.880	18.979
20MHz_Middle_16QAM_100@0	17.840	18.899
20MHz_High_QPSK_100@0	17.880	18.899
20MHz_High_16QAM_100@0	17.920	18.979

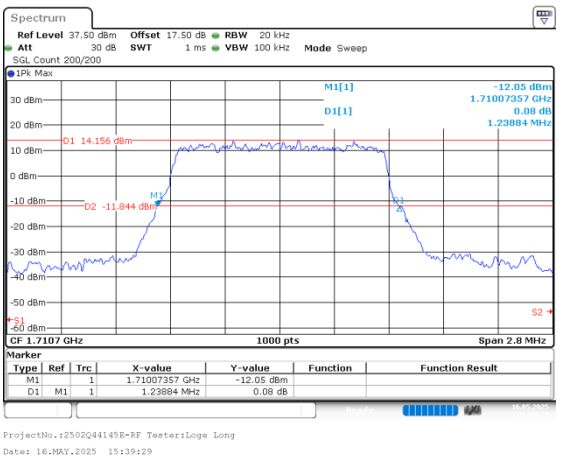
LTE Band 4 , Normal

1.4MHz_Low_QPSK_6@0

Occupied Bandwidth

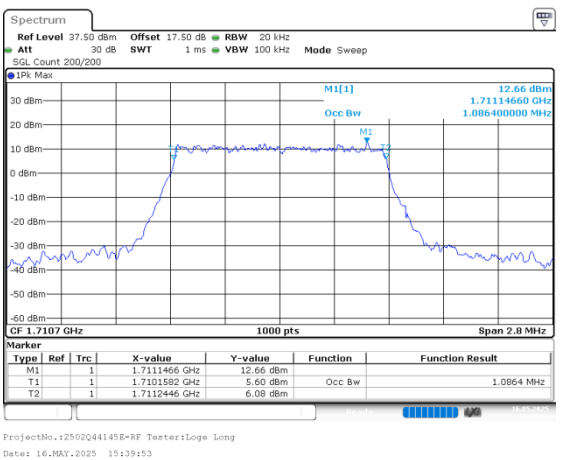


26dB Bandwidth

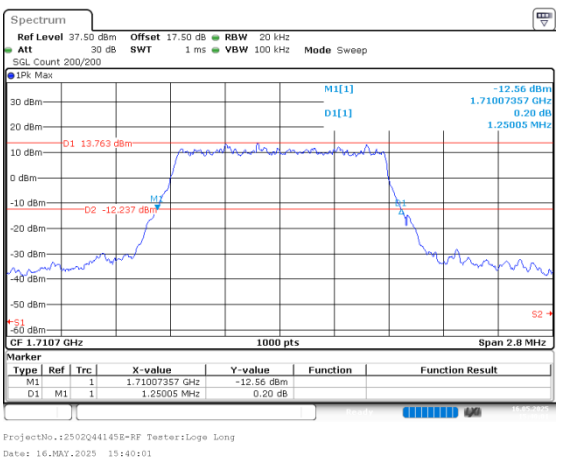


1.4MHz_Low_16QAM_6@0

Occupied Bandwidth

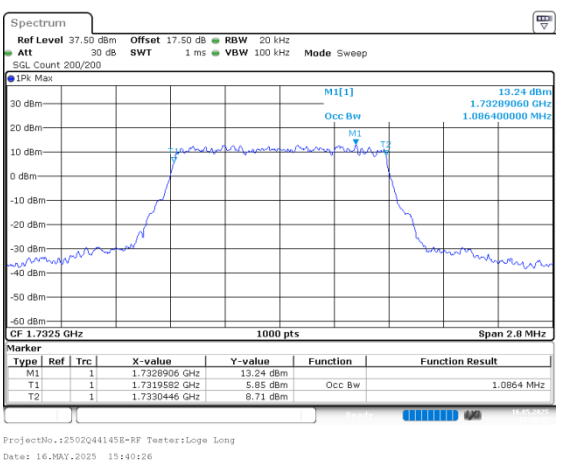


26dB Bandwidth

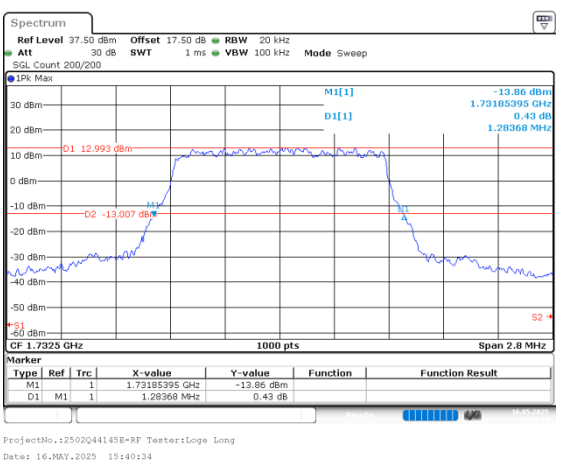


1.4MHz_Middle_QPSK_6@0

Occupied Bandwidth

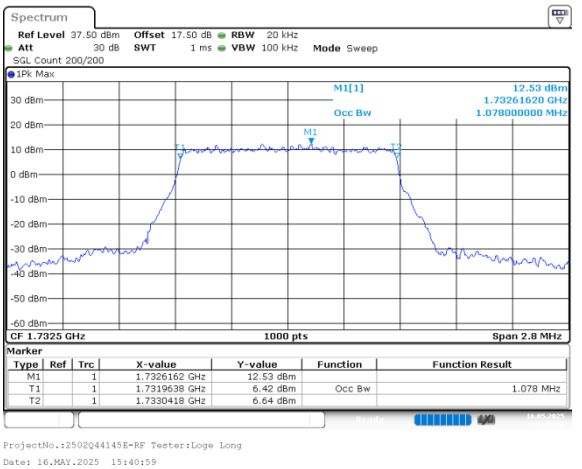


26dB Bandwidth

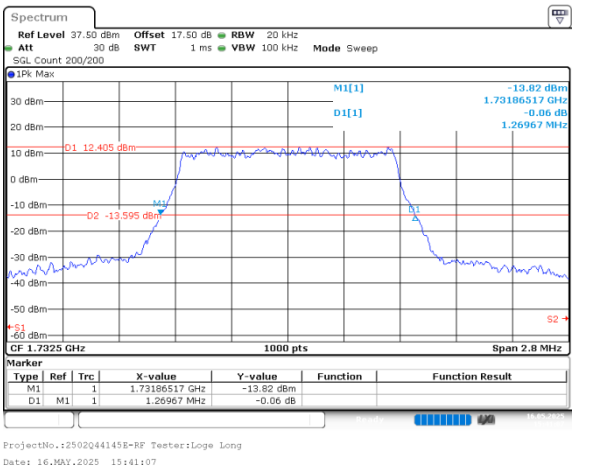


1.4MHz_Middle_16QAM_6@0

Occupied Bandwidth

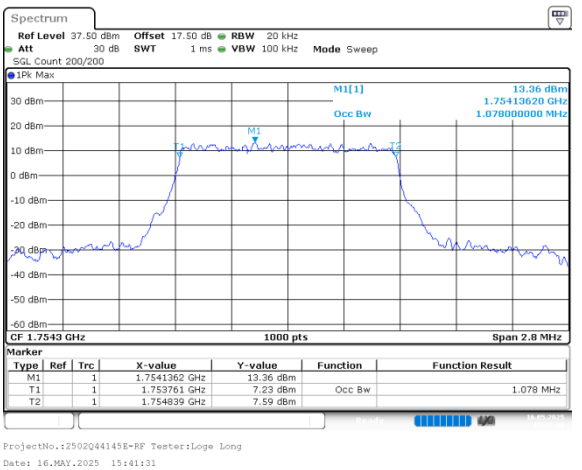


26dB Bandwidth

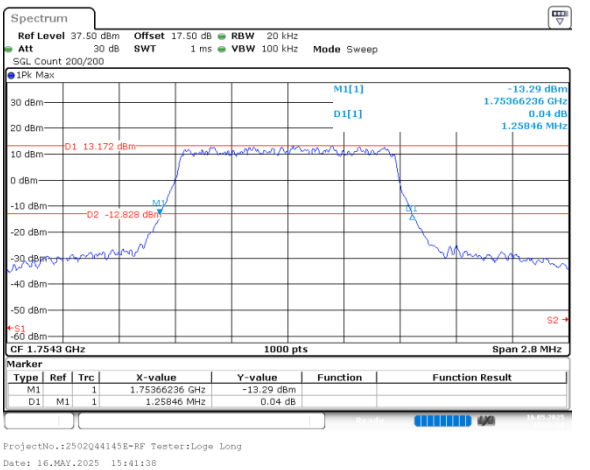


1.4MHz_High_QPSK_6@0

Occupied Bandwidth

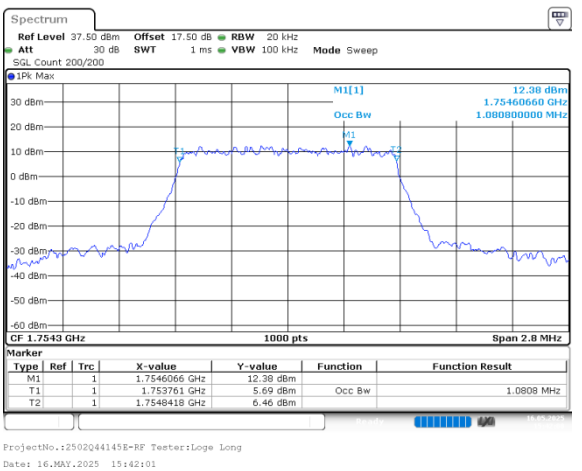


26dB Bandwidth

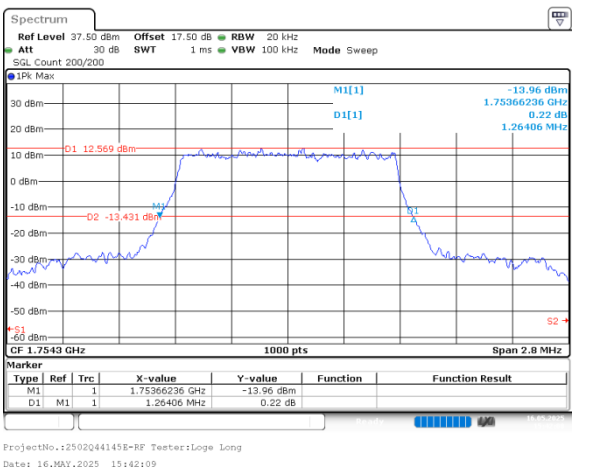


1.4MHz_High_16QAM_6@0

Occupied Bandwidth

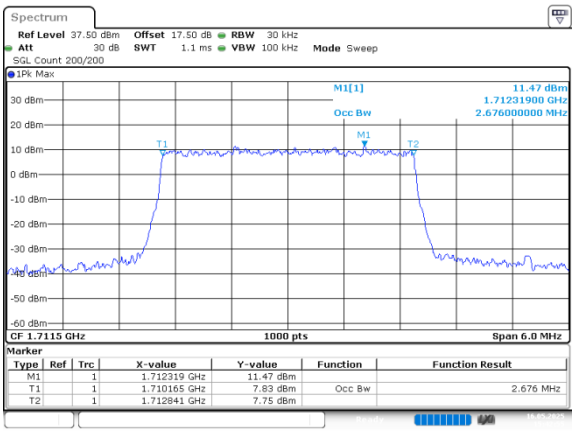


26dB Bandwidth

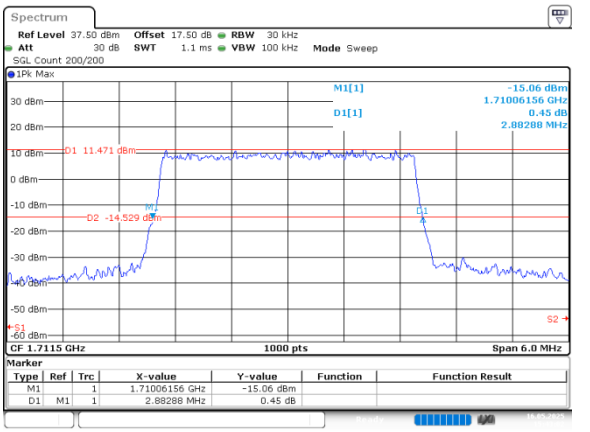


3MHz_Low_QPSK_15@0

Occupied Bandwidth

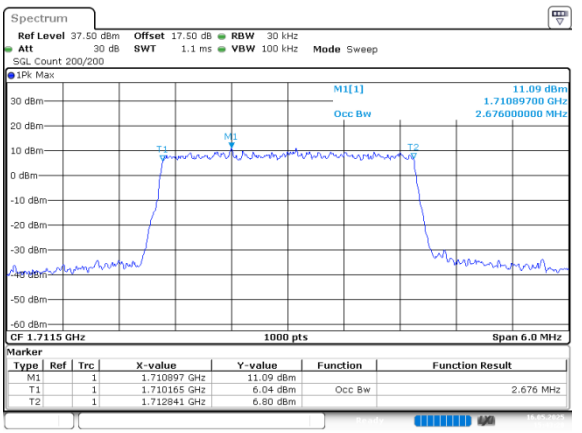


26dB Bandwidth

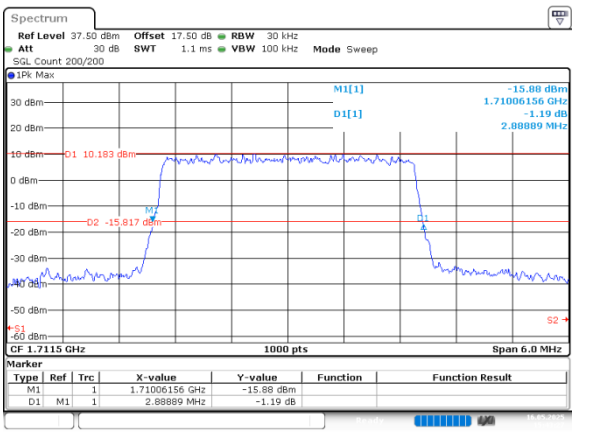


3MHz_Low_16QAM_15@0

Occupied Bandwidth

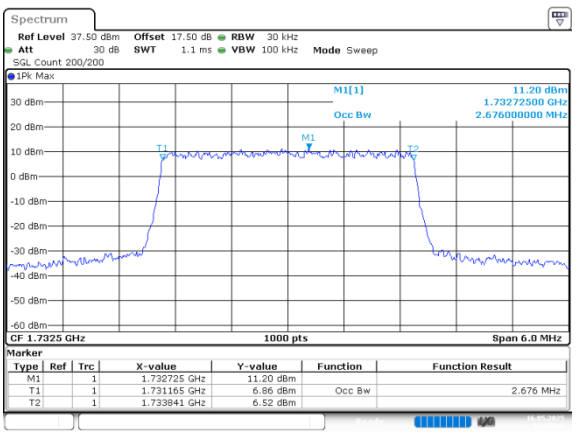


26dB Bandwidth

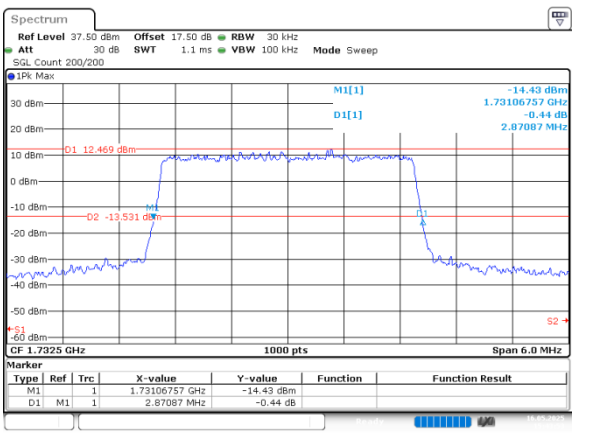


3MHz_Middle_QPSK_15@0

Occupied Bandwidth

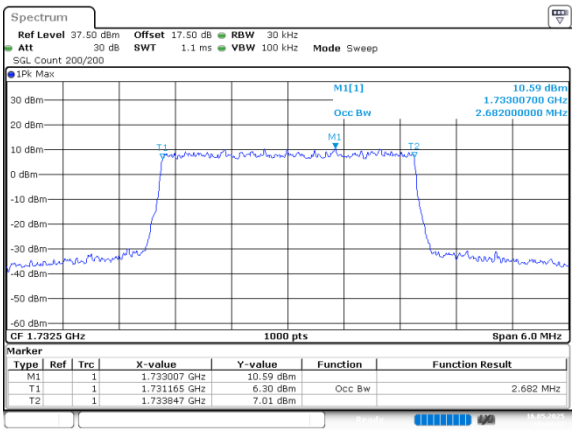


26dB Bandwidth

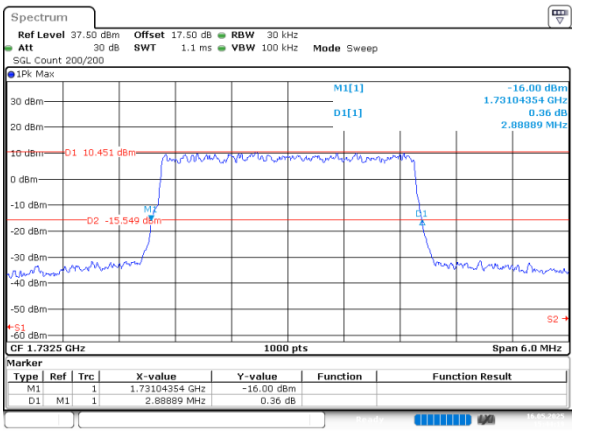


3MHz_Middle_16QAM_15@0

Occupied Bandwidth

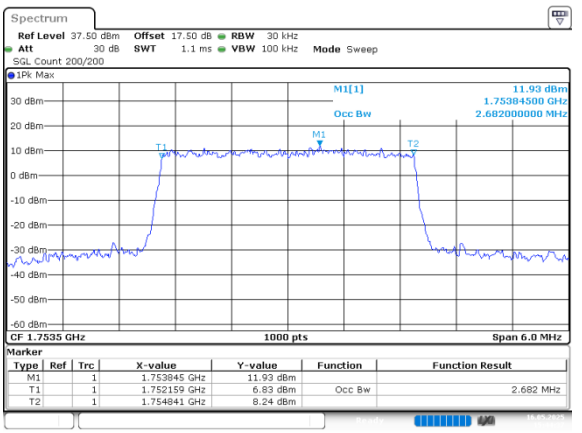


26dB Bandwidth

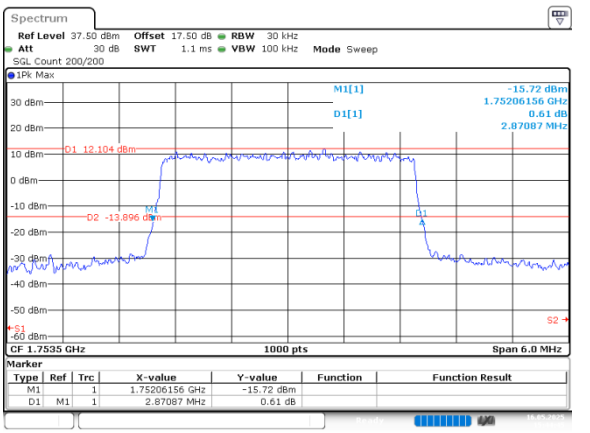


3MHz_High_QPSK_15@0

Occupied Bandwidth

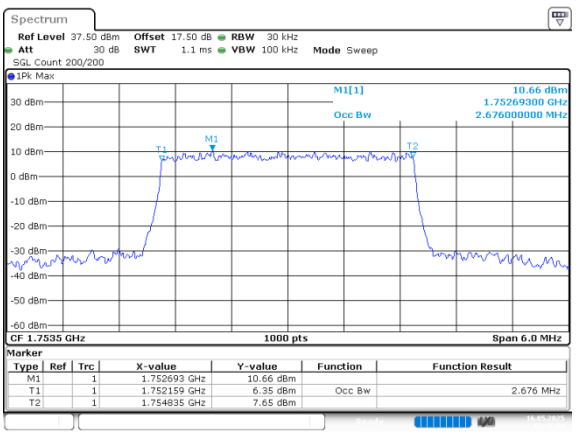


26dB Bandwidth

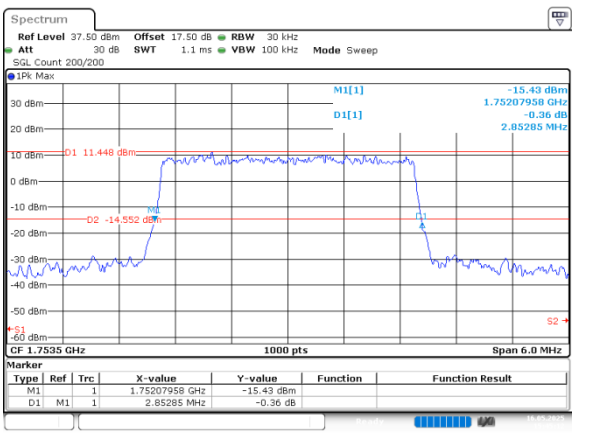


3MHz_High_16QAM_15@0

Occupied Bandwidth

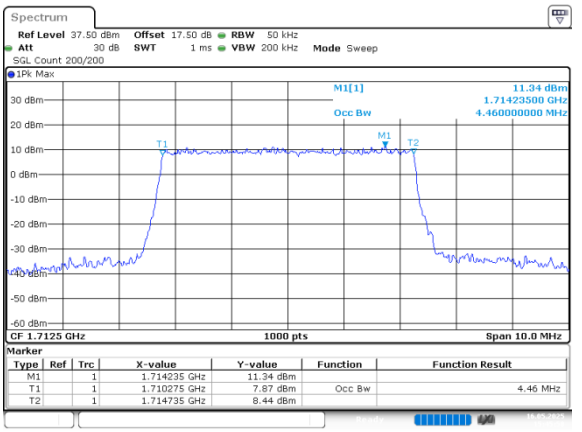


26dB Bandwidth

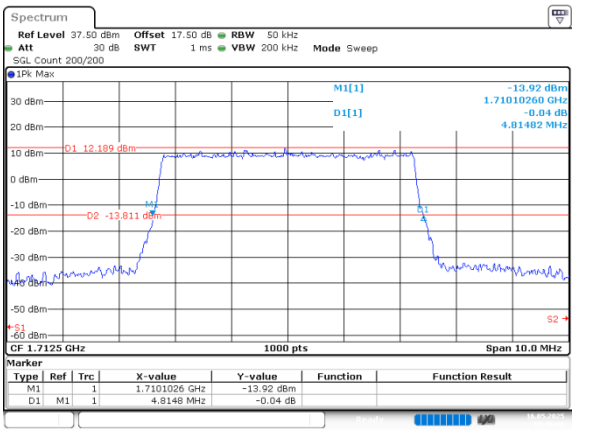


5MHz_Low_QPSK_25@0

Occupied Bandwidth

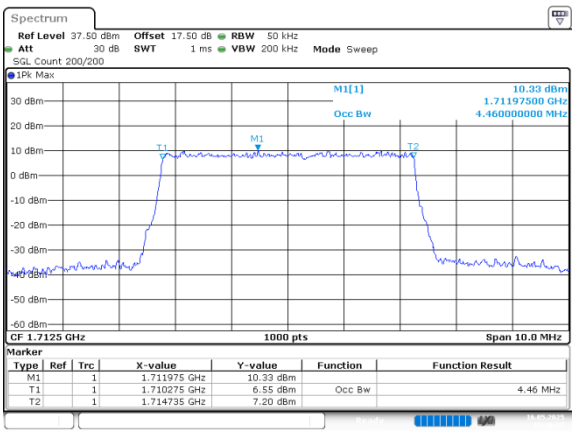


26dB Bandwidth

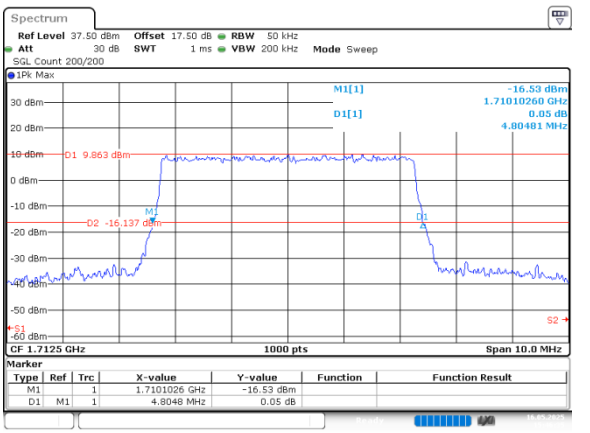


5MHz_Low_16QAM_25@0

Occupied Bandwidth

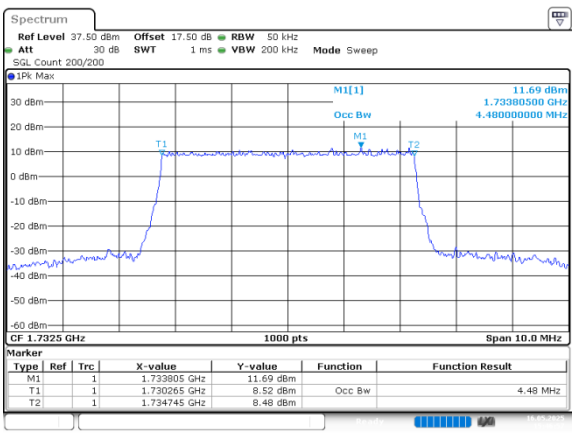


26dB Bandwidth

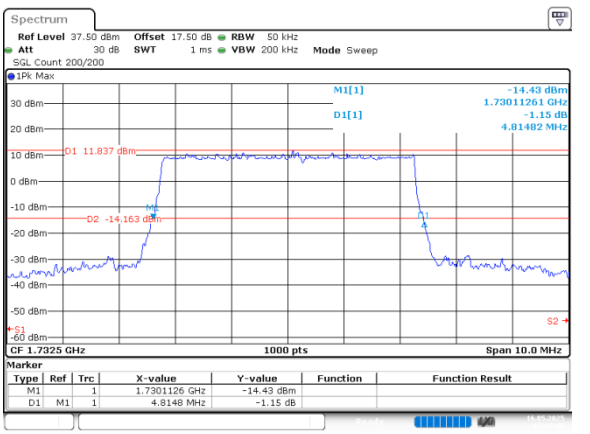


5MHz_Middle_QPSK_25@0

Occupied Bandwidth

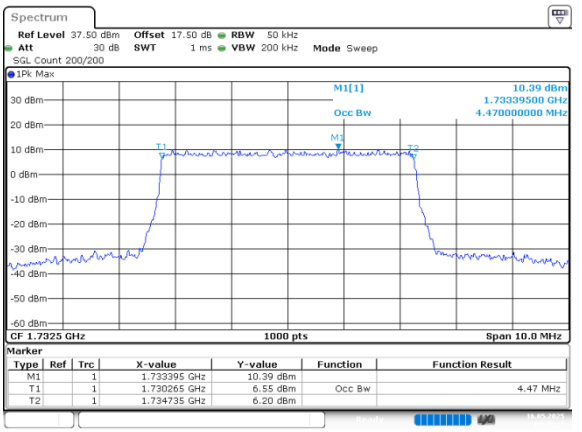


26dB Bandwidth

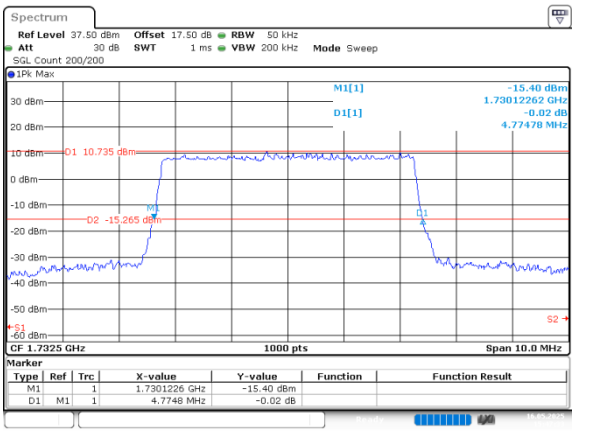


5MHz_Middle_16QAM_25@0

Occupied Bandwidth

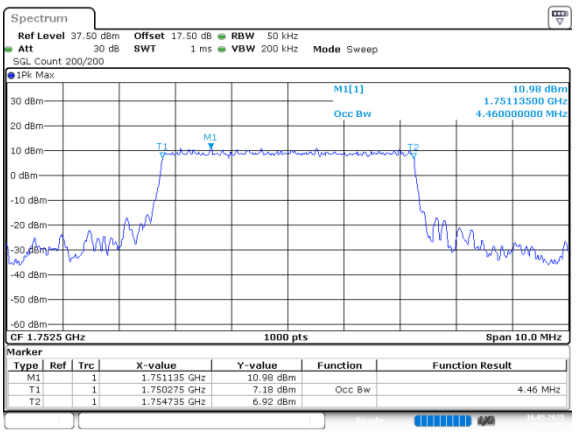


26dB Bandwidth



5MHz_High_QPSK_25@0

Occupied Bandwidth



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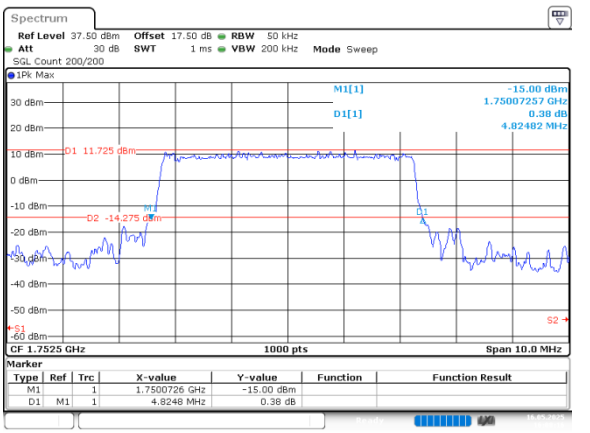
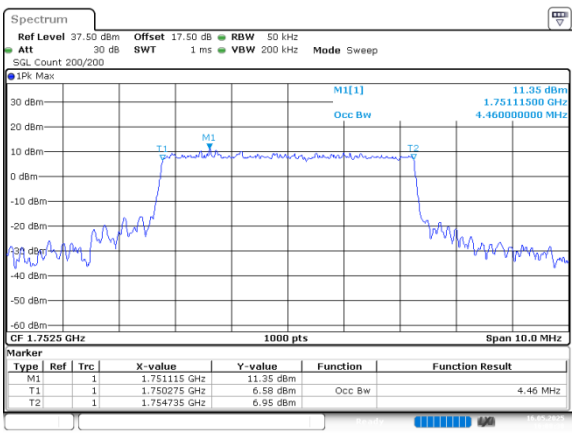
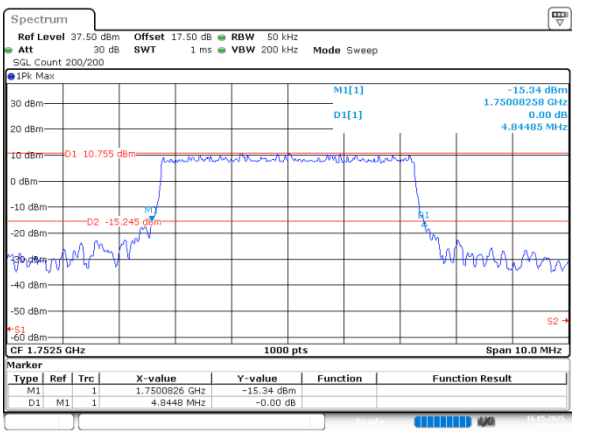


5MHz_High_16QAM_25@0

Occupied Bandwidth

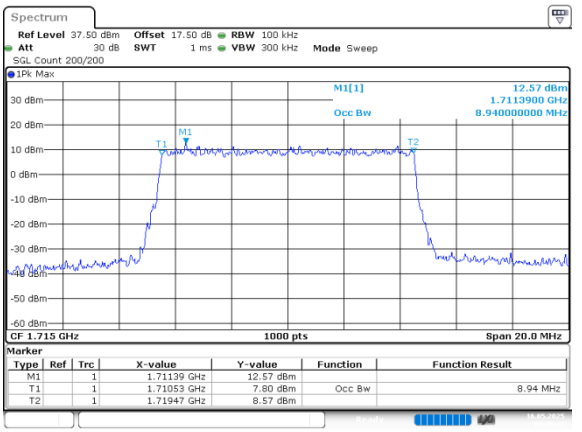


26dB Bandwidth

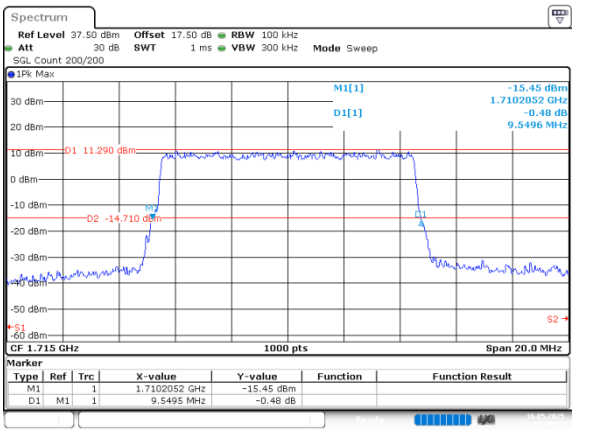


10MHz_Low_QPSK_50@0

Occupied Bandwidth

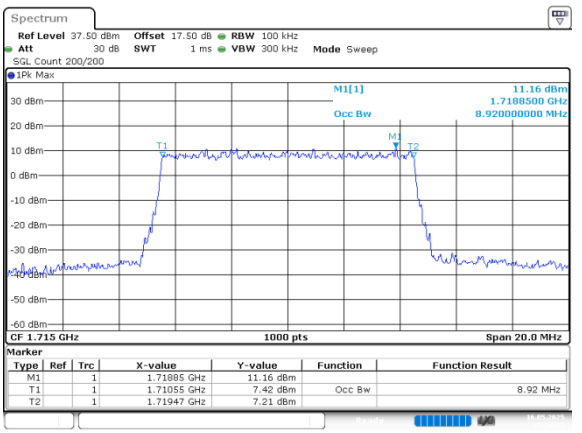


26dB Bandwidth

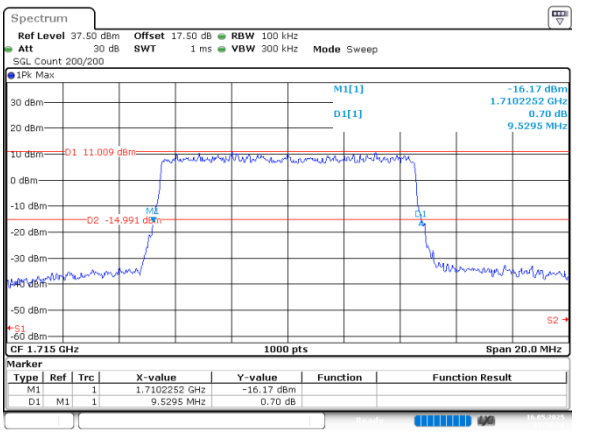


10MHz_Low_16QAM_50@0

Occupied Bandwidth

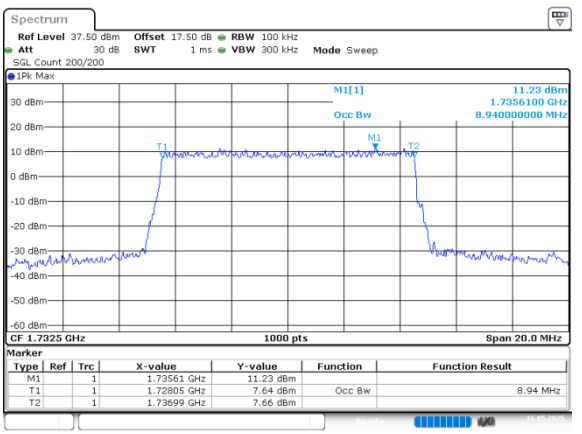


26dB Bandwidth

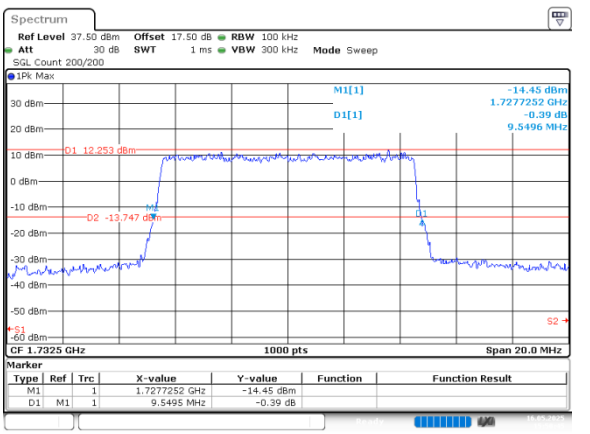


10MHz_Middle_QPSK_50@0

Occupied Bandwidth

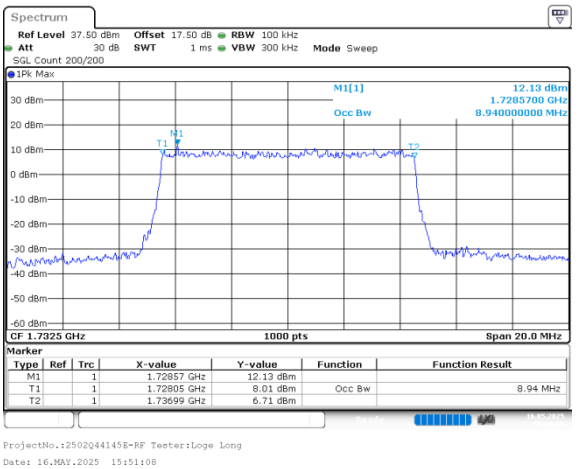


26dB Bandwidth

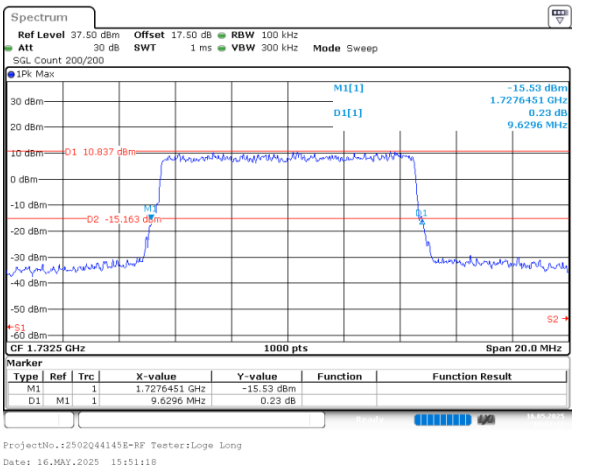


10MHz_Middle_16QAM_50@0

Occupied Bandwidth

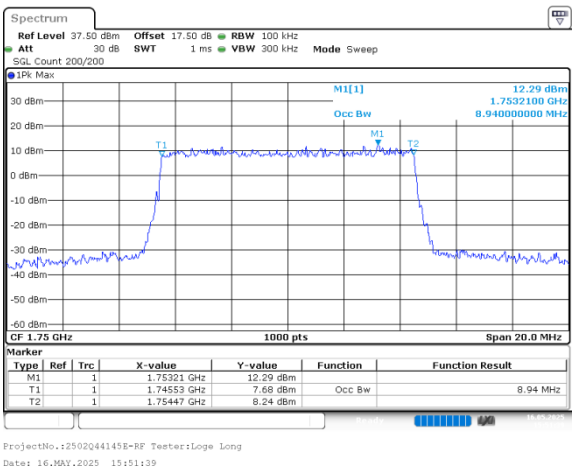


26dB Bandwidth

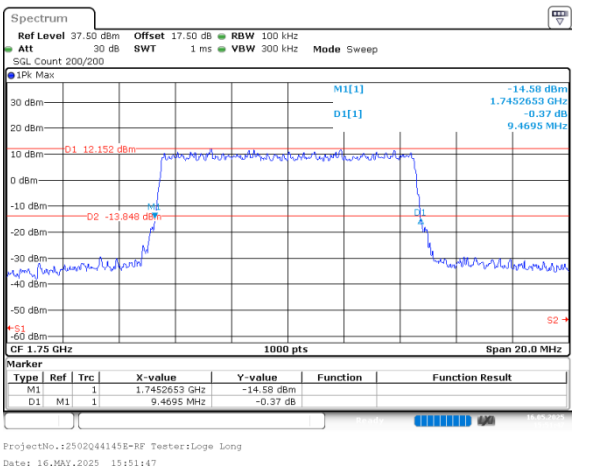


10MHz_High_QPSK_50@0

Occupied Bandwidth

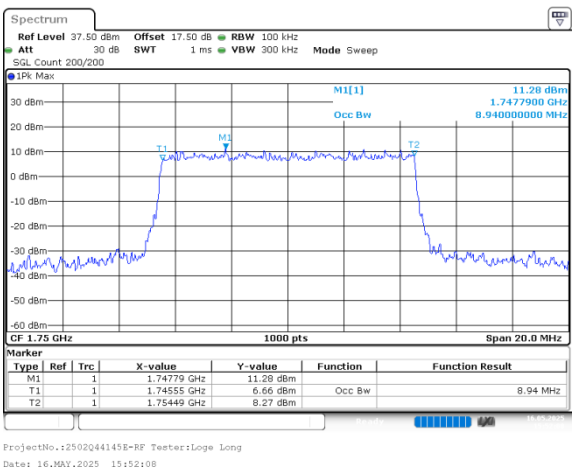


26dB Bandwidth



10MHz_High_16QAM_50@0

Occupied Bandwidth



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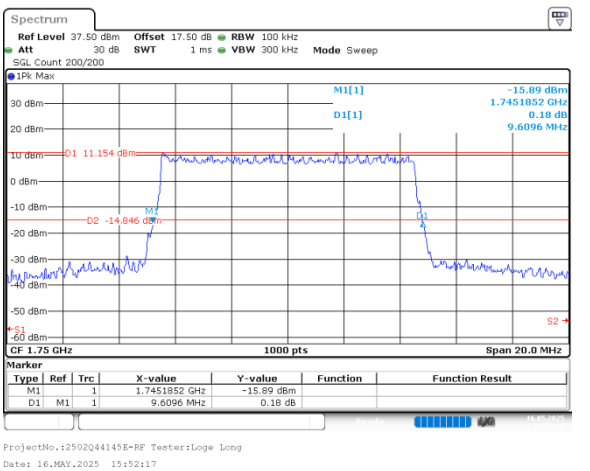
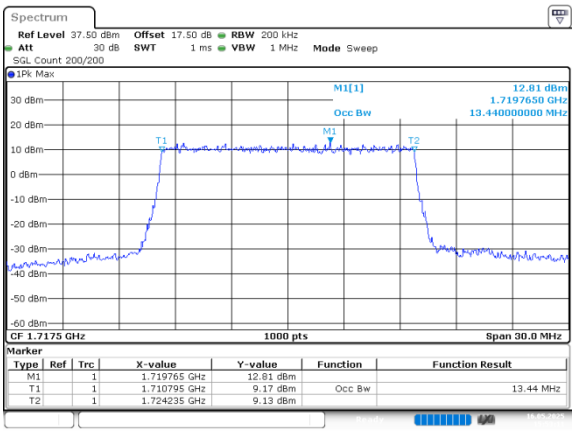
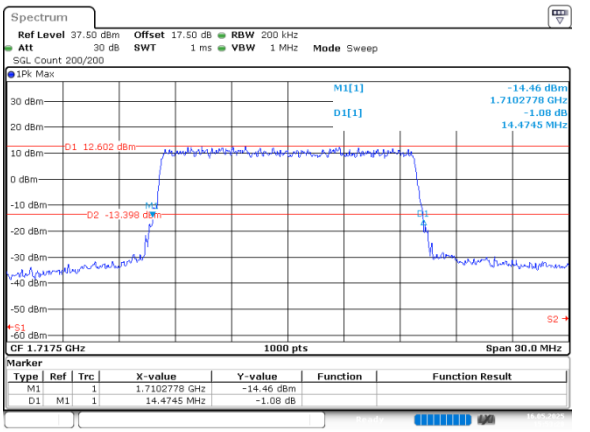


15MHz_Low_QPSK_75@0

Occupied Bandwidth

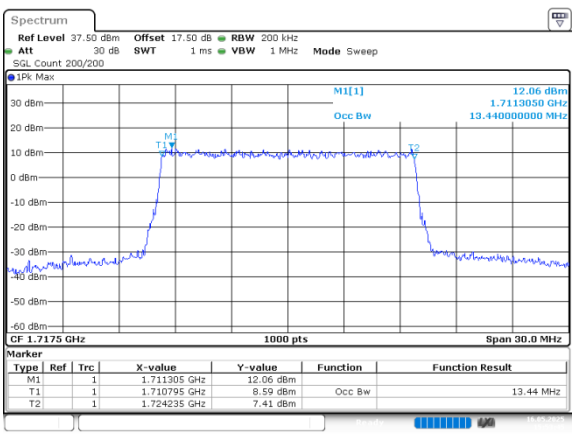


26dB Bandwidth

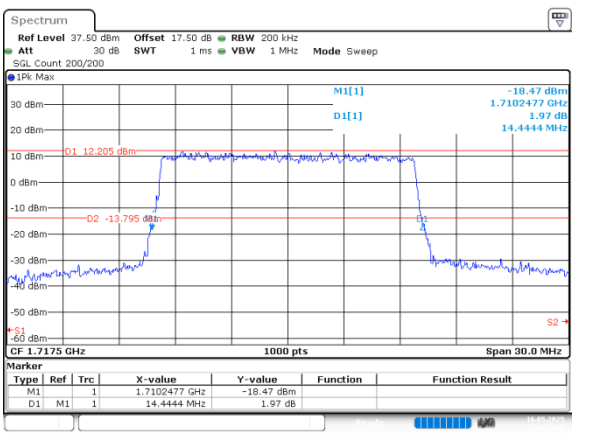


15MHz_Low_16QAM_75@0

Occupied Bandwidth

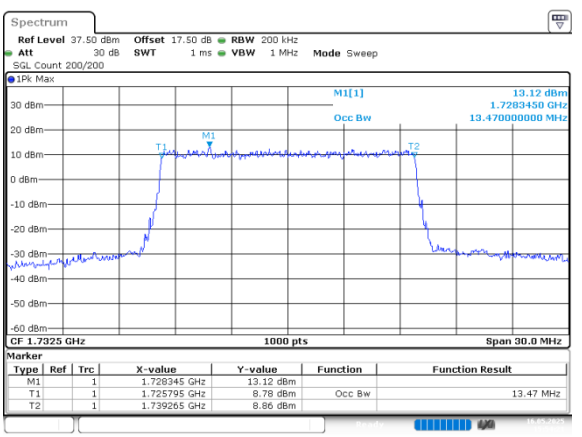


26dB Bandwidth

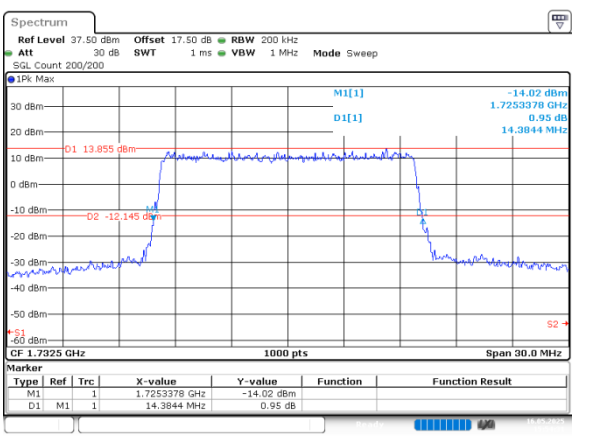


15MHz_Middle_QPSK_75@0

Occupied Bandwidth



26dB Bandwidth



15MHz_Middle_16QAM_75@0

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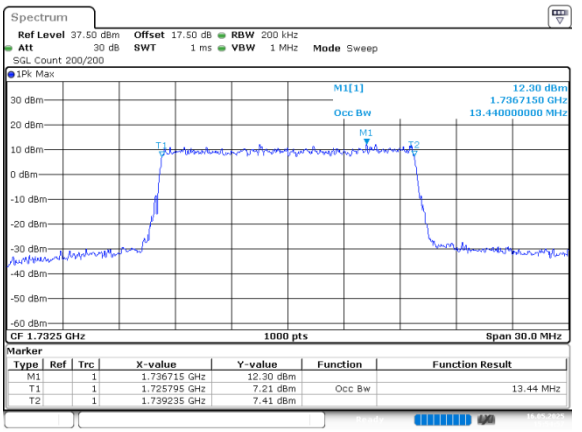
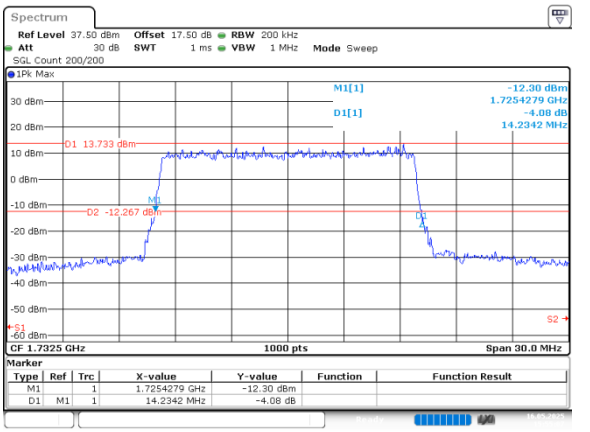
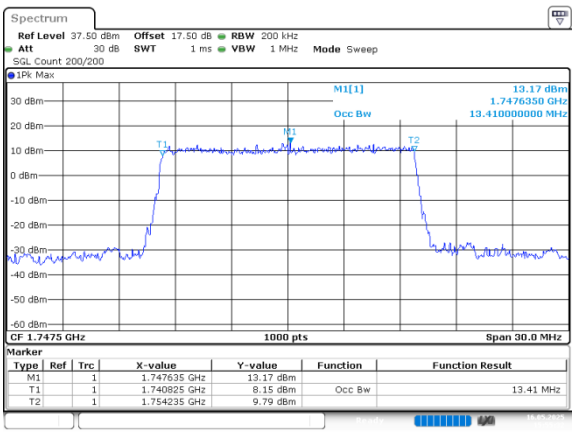


26dB Bandwidth

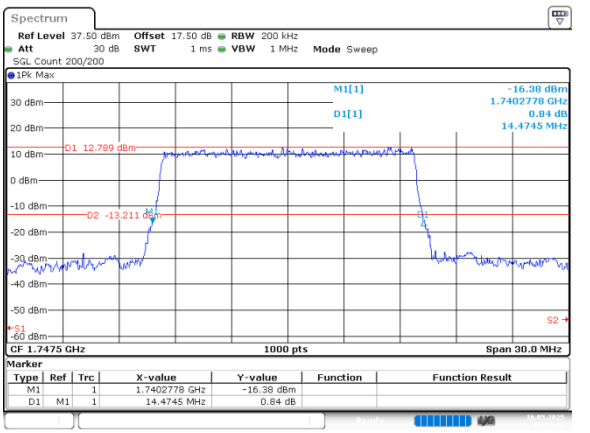


15MHz_High_QPSK_75@0

Occupied Bandwidth

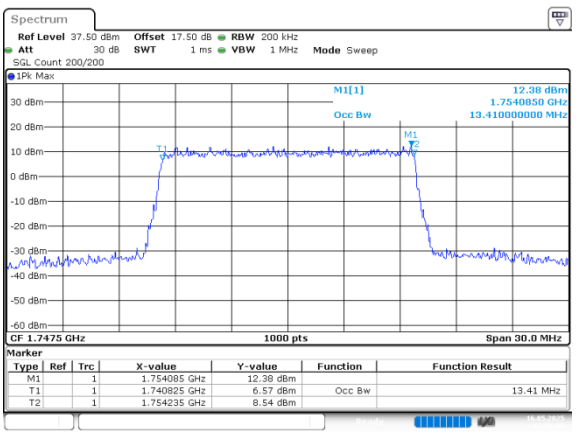


26dB Bandwidth

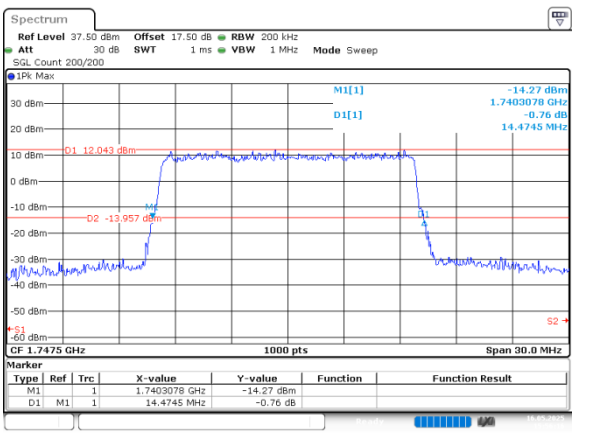


15MHz_High_16QAM_75@0

Occupied Bandwidth

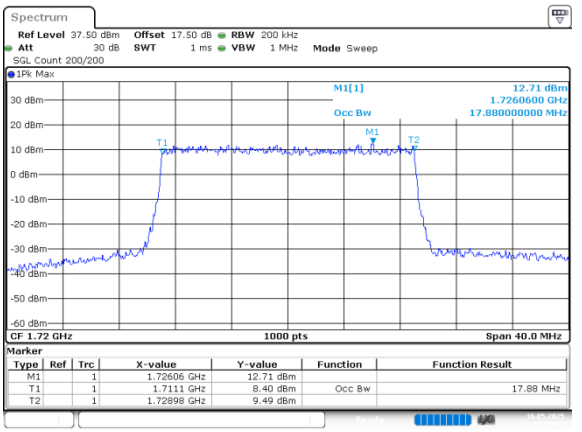


26dB Bandwidth

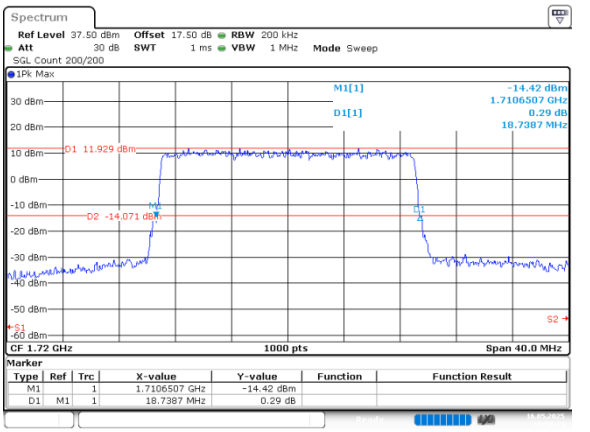


20MHz_Low_QPSK_100@0

Occupied Bandwidth

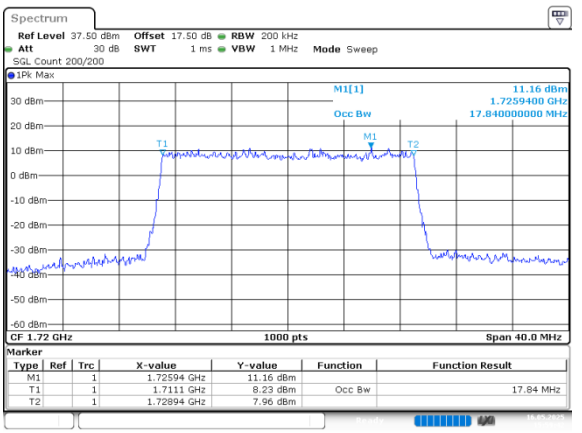


26dB Bandwidth

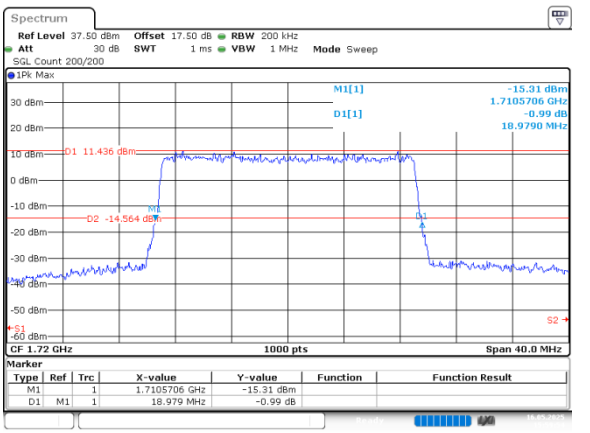


20MHz_Low_16QAM_100@0

Occupied Bandwidth

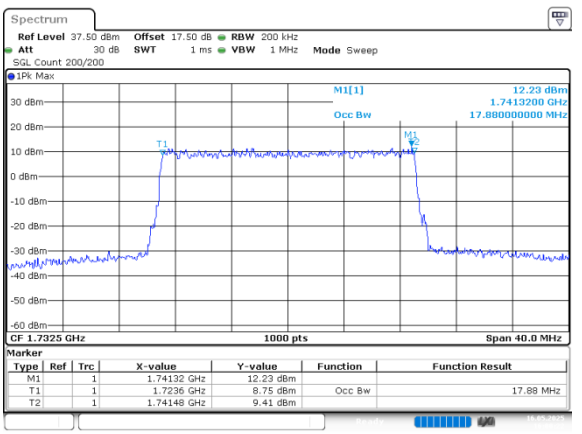


26dB Bandwidth

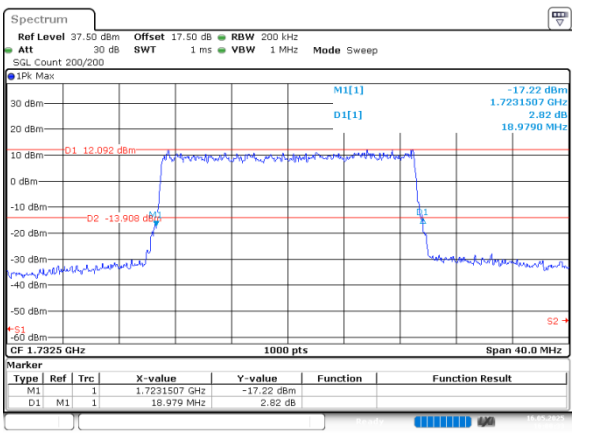


20MHz_Middle_QPSK_100@0

Occupied Bandwidth

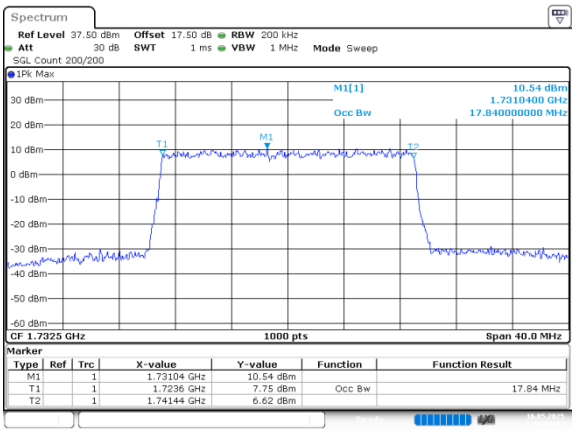


26dB Bandwidth

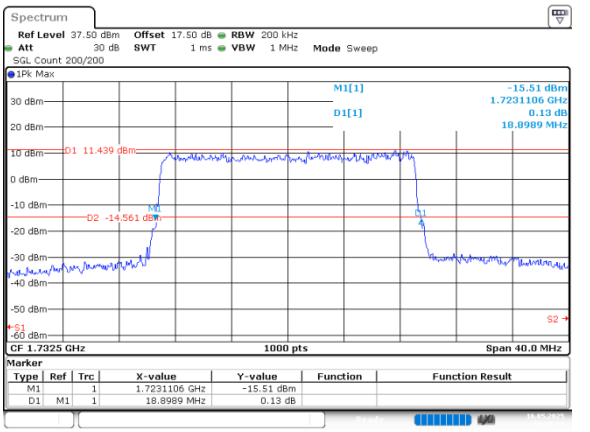


20MHz_Middle_16QAM_100@0

Occupied Bandwidth

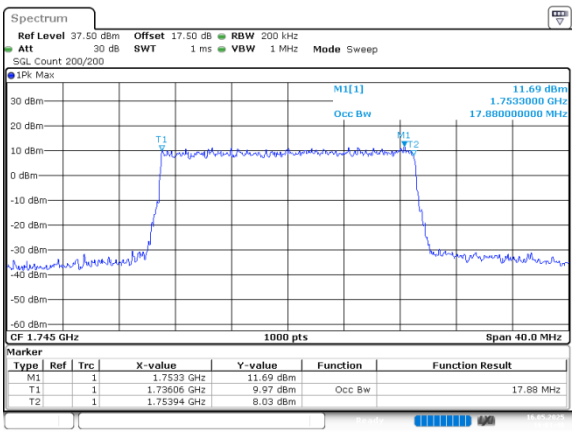


26dB Bandwidth

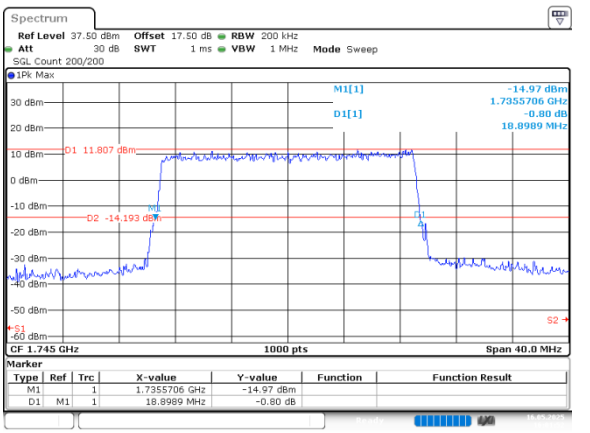


20MHz_High_QPSK_100@0

Occupied Bandwidth

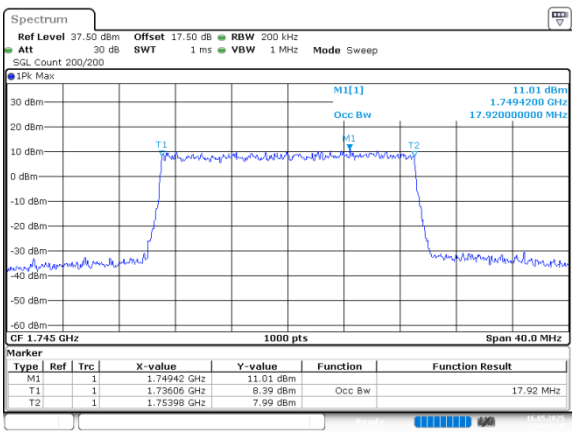


26dB Bandwidth

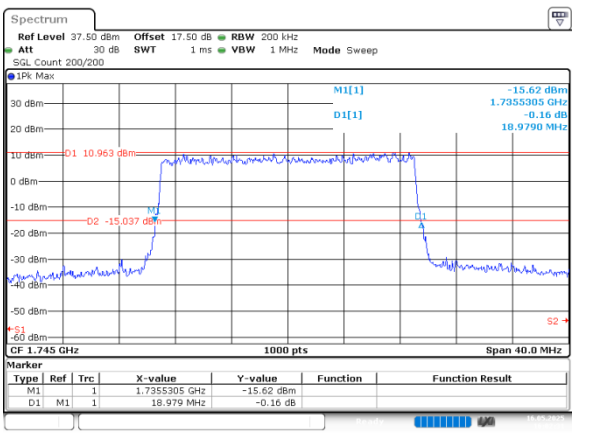


20MHz_High_16QAM_100@0

Occupied Bandwidth



26dB Bandwidth



RF Output Power

FCC Part 27

LTE Band 4 , Normal

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
1.4MHz_Low_QPSK_1@0	22.16	22.45	0.176	1	Pass
1.4MHz_Low_QPSK_1@3	22.36	22.65	0.184	1	Pass
1.4MHz_Low_QPSK_1@5	22.18	22.47	0.177	1	Pass
1.4MHz_Low_QPSK_3@0	22.37	22.66	0.185	1	Pass
1.4MHz_Low_QPSK_3@1	22.40	22.69	0.186	1	Pass
1.4MHz_Low_QPSK_3@3	22.36	22.65	0.184	1	Pass
1.4MHz_Low_QPSK_6@0	21.36	21.65	0.146	1	Pass
1.4MHz_Low_16QAM_1@0	21.07	21.36	0.137	1	Pass
1.4MHz_Low_16QAM_1@3	21.15	21.44	0.139	1	Pass
1.4MHz_Low_16QAM_1@5	21.09	21.38	0.137	1	Pass
1.4MHz_Low_16QAM_3@0	21.48	21.77	0.150	1	Pass
1.4MHz_Low_16QAM_3@1	21.58	21.87	0.154	1	Pass
1.4MHz_Low_16QAM_3@3	21.49	21.78	0.151	1	Pass
1.4MHz_Low_16QAM_6@0	20.60	20.89	0.123	1	Pass
1.4MHz_Middle_QPSK_1@0	22.12	22.41	0.174	1	Pass
1.4MHz_Middle_QPSK_1@3	22.34	22.63	0.183	1	Pass
1.4MHz_Middle_QPSK_1@5	22.13	22.42	0.175	1	Pass
1.4MHz_Middle_QPSK_3@0	22.29	22.58	0.181	1	Pass
1.4MHz_Middle_QPSK_3@1	22.34	22.63	0.183	1	Pass
1.4MHz_Middle_QPSK_3@3	22.33	22.62	0.183	1	Pass
1.4MHz_Middle_QPSK_6@0	21.25	21.54	0.143	1	Pass
1.4MHz_Middle_16QAM_1@0	21.05	21.34	0.136	1	Pass
1.4MHz_Middle_16QAM_1@3	21.27	21.56	0.143	1	Pass
1.4MHz_Middle_16QAM_1@5	21.05	21.34	0.136	1	Pass
1.4MHz_Middle_16QAM_3@0	21.50	21.79	0.151	1	Pass
1.4MHz_Middle_16QAM_3@1	21.52	21.81	0.152	1	Pass
1.4MHz_Middle_16QAM_3@3	21.50	21.79	0.151	1	Pass
1.4MHz_Middle_16QAM_6@0	20.53	20.82	0.121	1	Pass
1.4MHz_High_QPSK_1@0	22.31	22.60	0.182	1	Pass
1.4MHz_High_QPSK_1@3	22.41	22.70	0.186	1	Pass

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
1.4MHz_High_QPSK_1@5	22.29	22.58	0.181	1	Pass
1.4MHz_High_QPSK_3@0	22.25	22.54	0.179	1	Pass
1.4MHz_High_QPSK_3@1	22.24	22.53	0.179	1	Pass
1.4MHz_High_QPSK_3@3	22.20	22.49	0.177	1	Pass
1.4MHz_High_QPSK_6@0	21.19	21.48	0.141	1	Pass
1.4MHz_High_16QAM_1@0	21.45	21.74	0.149	1	Pass
1.4MHz_High_16QAM_1@3	21.60	21.89	0.155	1	Pass
1.4MHz_High_16QAM_1@5	21.44	21.73	0.149	1	Pass
1.4MHz_High_16QAM_3@0	21.48	21.77	0.150	1	Pass
1.4MHz_High_16QAM_3@1	21.49	21.78	0.151	1	Pass
1.4MHz_High_16QAM_3@3	21.47	21.76	0.150	1	Pass
1.4MHz_High_16QAM_6@0	20.11	20.40	0.110	1	Pass
3MHz_Low_QPSK_1@0	22.18	22.47	0.177	1	Pass
3MHz_Low_QPSK_1@8	22.20	22.49	0.177	1	Pass
3MHz_Low_QPSK_1@14	22.17	22.46	0.176	1	Pass
3MHz_Low_QPSK_8@0	21.30	21.59	0.144	1	Pass
3MHz_Low_QPSK_8@4	21.30	21.59	0.144	1	Pass
3MHz_Low_QPSK_8@7	21.27	21.56	0.143	1	Pass
3MHz_Low_QPSK_15@0	21.28	21.57	0.144	1	Pass
3MHz_Low_16QAM_1@0	21.17	21.46	0.140	1	Pass
3MHz_Low_16QAM_1@8	21.08	21.37	0.137	1	Pass
3MHz_Low_16QAM_1@14	21.03	21.32	0.136	1	Pass
3MHz_Low_16QAM_8@0	20.31	20.60	0.115	1	Pass
3MHz_Low_16QAM_8@4	20.36	20.65	0.116	1	Pass
3MHz_Low_16QAM_8@7	20.32	20.61	0.115	1	Pass
3MHz_Low_16QAM_15@0	20.30	20.59	0.115	1	Pass
3MHz_Middle_QPSK_1@0	22.19	22.48	0.177	1	Pass
3MHz_Middle_QPSK_1@8	22.18	22.47	0.177	1	Pass
3MHz_Middle_QPSK_1@14	22.16	22.45	0.176	1	Pass
3MHz_Middle_QPSK_8@0	21.24	21.53	0.142	1	Pass
3MHz_Middle_QPSK_8@4	21.26	21.55	0.143	1	Pass
3MHz_Middle_QPSK_8@7	21.22	21.51	0.142	1	Pass
3MHz_Middle_QPSK_15@0	21.19	21.48	0.141	1	Pass
3MHz_Middle_16QAM_1@0	21.23	21.52	0.142	1	Pass

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
3MHz_Middle_16QAM_1@8	21.16	21.45	0.140	1	Pass
3MHz_Middle_16QAM_1@14	21.16	21.45	0.140	1	Pass
3MHz_Middle_16QAM_8@0	20.31	20.60	0.115	1	Pass
3MHz_Middle_16QAM_8@4	20.34	20.63	0.116	1	Pass
3MHz_Middle_16QAM_8@7	20.27	20.56	0.114	1	Pass
3MHz_Middle_16QAM_15@0	20.30	20.59	0.115	1	Pass
3MHz_High_QPSK_1@0	22.32	22.61	0.182	1	Pass
3MHz_High_QPSK_1@8	22.33	22.62	0.183	1	Pass
3MHz_High_QPSK_1@14	22.29	22.58	0.181	1	Pass
3MHz_High_QPSK_8@0	21.11	21.40	0.138	1	Pass
3MHz_High_QPSK_8@4	21.16	21.45	0.140	1	Pass
3MHz_High_QPSK_8@7	21.15	21.44	0.139	1	Pass
3MHz_High_QPSK_15@0	21.16	21.45	0.140	1	Pass
3MHz_High_16QAM_1@0	21.48	21.77	0.150	1	Pass
3MHz_High_16QAM_1@8	21.51	21.80	0.151	1	Pass
3MHz_High_16QAM_1@14	21.48	21.77	0.150	1	Pass
3MHz_High_16QAM_8@0	20.25	20.54	0.113	1	Pass
3MHz_High_16QAM_8@4	20.28	20.57	0.114	1	Pass
3MHz_High_16QAM_8@7	20.23	20.52	0.113	1	Pass
3MHz_High_16QAM_15@0	20.15	20.44	0.111	1	Pass
5MHz_Low_QPSK_1@0	22.18	22.47	0.177	1	Pass
5MHz_Low_QPSK_1@12	22.39	22.68	0.185	1	Pass
5MHz_Low_QPSK_1@24	22.14	22.43	0.175	1	Pass
5MHz_Low_QPSK_12@0	21.29	21.58	0.144	1	Pass
5MHz_Low_QPSK_12@7	21.37	21.66	0.147	1	Pass
5MHz_Low_QPSK_12@13	21.32	21.61	0.145	1	Pass
5MHz_Low_QPSK_25@0	21.32	21.61	0.145	1	Pass
5MHz_Low_16QAM_1@0	21.26	21.55	0.143	1	Pass
5MHz_Low_16QAM_1@12	21.51	21.80	0.151	1	Pass
5MHz_Low_16QAM_1@24	21.20	21.49	0.141	1	Pass
5MHz_Low_16QAM_12@0	20.42	20.71	0.118	1	Pass
5MHz_Low_16QAM_12@7	20.46	20.75	0.119	1	Pass
5MHz_Low_16QAM_12@13	20.41	20.70	0.117	1	Pass
5MHz_Low_16QAM_25@0	20.34	20.63	0.116	1	Pass

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
5MHz_Middle_QPSK_1@0	22.14	22.43	0.175	1	Pass
5MHz_Middle_QPSK_1@12	22.38	22.67	0.185	1	Pass
5MHz_Middle_QPSK_1@24	22.15	22.44	0.175	1	Pass
5MHz_Middle_QPSK_12@0	21.24	21.53	0.142	1	Pass
5MHz_Middle_QPSK_12@7	21.27	21.56	0.143	1	Pass
5MHz_Middle_QPSK_12@13	21.26	21.55	0.143	1	Pass
5MHz_Middle_QPSK_25@0	21.25	21.54	0.143	1	Pass
5MHz_Middle_16QAM_1@0	21.26	21.55	0.143	1	Pass
5MHz_Middle_16QAM_1@12	21.47	21.76	0.150	1	Pass
5MHz_Middle_16QAM_1@24	21.22	21.51	0.142	1	Pass
5MHz_Middle_16QAM_12@0	20.30	20.59	0.115	1	Pass
5MHz_Middle_16QAM_12@7	20.35	20.64	0.116	1	Pass
5MHz_Middle_16QAM_12@13	20.35	20.64	0.116	1	Pass
5MHz_Middle_16QAM_25@0	20.29	20.58	0.114	1	Pass
5MHz_High_QPSK_1@0	22	22.29	0.169	1	Pass
5MHz_High_QPSK_1@12	22.29	22.58	0.181	1	Pass
5MHz_High_QPSK_1@24	22.01	22.30	0.170	1	Pass
5MHz_High_QPSK_12@0	21.18	21.47	0.140	1	Pass
5MHz_High_QPSK_12@7	21.23	21.52	0.142	1	Pass
5MHz_High_QPSK_12@13	21.16	21.45	0.140	1	Pass
5MHz_High_QPSK_25@0	21.18	21.47	0.140	1	Pass
5MHz_High_16QAM_1@0	21.63	21.92	0.156	1	Pass
5MHz_High_16QAM_1@12	21.90	22.19	0.166	1	Pass
5MHz_High_16QAM_1@24	21.63	21.92	0.156	1	Pass
5MHz_High_16QAM_12@0	20.24	20.53	0.113	1	Pass
5MHz_High_16QAM_12@7	20.25	20.54	0.113	1	Pass
5MHz_High_16QAM_12@13	20.25	20.54	0.113	1	Pass
5MHz_High_16QAM_25@0	20.27	20.56	0.114	1	Pass
10MHz_Low_QPSK_1@0	22.23	22.52	0.179	1	Pass
10MHz_Low_QPSK_1@25	22.31	22.60	0.182	1	Pass
10MHz_Low_QPSK_1@49	22.14	22.43	0.175	1	Pass
10MHz_Low_QPSK_25@0	21.36	21.65	0.146	1	Pass
10MHz_Low_QPSK_25@12	21.38	21.67	0.147	1	Pass
10MHz_Low_QPSK_25@25	21.33	21.62	0.145	1	Pass

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
10MHz_Low_QPSK_50@0	21.36	21.65	0.146	1	Pass
10MHz_Low_16QAM_1@0	21.13	21.42	0.139	1	Pass
10MHz_Low_16QAM_1@25	21.25	21.54	0.143	1	Pass
10MHz_Low_16QAM_1@49	21.05	21.34	0.136	1	Pass
10MHz_Low_16QAM_25@0	20.49	20.78	0.120	1	Pass
10MHz_Low_16QAM_25@12	20.48	20.77	0.119	1	Pass
10MHz_Low_16QAM_25@25	20.43	20.72	0.118	1	Pass
10MHz_Low_16QAM_50@0	20.40	20.69	0.117	1	Pass
10MHz_Middle_QPSK_1@0	22.22	22.51	0.178	1	Pass
10MHz_Middle_QPSK_1@25	22.37	22.66	0.185	1	Pass
10MHz_Middle_QPSK_1@49	22.16	22.45	0.176	1	Pass
10MHz_Middle_QPSK_25@0	21.32	21.61	0.145	1	Pass
10MHz_Middle_QPSK_25@12	21.28	21.57	0.144	1	Pass
10MHz_Middle_QPSK_25@25	21.30	21.59	0.144	1	Pass
10MHz_Middle_QPSK_50@0	21.30	21.59	0.144	1	Pass
10MHz_Middle_16QAM_1@0	21.24	21.53	0.142	1	Pass
10MHz_Middle_16QAM_1@25	21.37	21.66	0.147	1	Pass
10MHz_Middle_16QAM_1@49	21.19	21.48	0.141	1	Pass
10MHz_Middle_16QAM_25@0	20.44	20.73	0.118	1	Pass
10MHz_Middle_16QAM_25@12	20.43	20.72	0.118	1	Pass
10MHz_Middle_16QAM_25@25	20.45	20.74	0.119	1	Pass
10MHz_Middle_16QAM_50@0	20.36	20.65	0.116	1	Pass
10MHz_High_QPSK_1@0	22.31	22.60	0.182	1	Pass
10MHz_High_QPSK_1@25	22.49	22.78	0.190	1	Pass
10MHz_High_QPSK_1@49	22.28	22.57	0.181	1	Pass
10MHz_High_QPSK_25@0	21.17	21.46	0.140	1	Pass
10MHz_High_QPSK_25@12	21.23	21.52	0.142	1	Pass
10MHz_High_QPSK_25@25	21.25	21.54	0.143	1	Pass
10MHz_High_QPSK_50@0	21.23	21.52	0.142	1	Pass
10MHz_High_16QAM_1@0	21.53	21.82	0.152	1	Pass
10MHz_High_16QAM_1@25	21.63	21.92	0.156	1	Pass
10MHz_High_16QAM_1@49	21.47	21.76	0.150	1	Pass
10MHz_High_16QAM_25@0	20.27	20.56	0.114	1	Pass
10MHz_High_16QAM_25@12	20.27	20.56	0.114	1	Pass

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
10MHz_High_16QAM_25@25	20.28	20.57	0.114	1	Pass
10MHz_High_16QAM_50@0	20.26	20.55	0.114	1	Pass
15MHz_Low_QPSK_1@0	22.30	22.59	0.182	1	Pass
15MHz_Low_QPSK_1@37	22.46	22.75	0.188	1	Pass
15MHz_Low_QPSK_1@74	22.21	22.50	0.178	1	Pass
15MHz_Low_QPSK_36@0	21.31	21.60	0.145	1	Pass
15MHz_Low_QPSK_36@20	21.31	21.60	0.145	1	Pass
15MHz_Low_QPSK_36@39	21.32	21.61	0.145	1	Pass
15MHz_Low_QPSK_75@0	21.29	21.58	0.144	1	Pass
15MHz_Low_16QAM_1@0	21.33	21.62	0.145	1	Pass
15MHz_Low_16QAM_1@37	21.51	21.80	0.151	1	Pass
15MHz_Low_16QAM_1@74	21.31	21.60	0.145	1	Pass
15MHz_Low_16QAM_36@0	20.33	20.62	0.115	1	Pass
15MHz_Low_16QAM_36@20	20.28	20.57	0.114	1	Pass
15MHz_Low_16QAM_36@39	20.29	20.58	0.114	1	Pass
15MHz_Low_16QAM_75@0	20.29	20.58	0.114	1	Pass
15MHz_Middle_QPSK_1@0	22.17	22.46	0.176	1	Pass
15MHz_Middle_QPSK_1@37	22.31	22.60	0.182	1	Pass
15MHz_Middle_QPSK_1@74	22.08	22.37	0.173	1	Pass
15MHz_Middle_QPSK_36@0	21.30	21.59	0.144	1	Pass
15MHz_Middle_QPSK_36@20	21.23	21.52	0.142	1	Pass
15MHz_Middle_QPSK_36@39	21.28	21.57	0.144	1	Pass
15MHz_Middle_QPSK_75@0	21.28	21.57	0.144	1	Pass
15MHz_Middle_16QAM_1@0	21.22	21.51	0.142	1	Pass
15MHz_Middle_16QAM_1@37	21.35	21.64	0.146	1	Pass
15MHz_Middle_16QAM_1@74	21.09	21.38	0.137	1	Pass
15MHz_Middle_16QAM_36@0	20.32	20.61	0.115	1	Pass
15MHz_Middle_16QAM_36@20	20.30	20.59	0.115	1	Pass
15MHz_Middle_16QAM_36@39	20.32	20.61	0.115	1	Pass
15MHz_Middle_16QAM_75@0	20.34	20.63	0.116	1	Pass
15MHz_High_QPSK_1@0	22.28	22.57	0.181	1	Pass
15MHz_High_QPSK_1@37	22.49	22.78	0.190	1	Pass
15MHz_High_QPSK_1@74	22.22	22.51	0.178	1	Pass
15MHz_High_QPSK_36@0	21.22	21.51	0.142	1	Pass

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
15MHz_High_QPSK_36@20	21.25	21.54	0.143	1	Pass
15MHz_High_QPSK_36@39	21.26	21.55	0.143	1	Pass
15MHz_High_QPSK_75@0	21.25	21.54	0.143	1	Pass
15MHz_High_16QAM_1@0	21.50	21.79	0.151	1	Pass
15MHz_High_16QAM_1@37	21.65	21.94	0.156	1	Pass
15MHz_High_16QAM_1@74	21.39	21.68	0.147	1	Pass
15MHz_High_16QAM_36@0	20.24	20.53	0.113	1	Pass
15MHz_High_16QAM_36@20	20.23	20.52	0.113	1	Pass
15MHz_High_16QAM_36@39	20.24	20.53	0.113	1	Pass
15MHz_High_16QAM_75@0	20.23	20.52	0.113	1	Pass
20MHz_Low_QPSK_1@0	21.95	22.24	0.167	1	Pass
20MHz_Low_QPSK_1@49	22.18	22.47	0.177	1	Pass
20MHz_Low_QPSK_1@99	21.87	22.16	0.164	1	Pass
20MHz_Low_QPSK_50@0	21.33	21.62	0.145	1	Pass
20MHz_Low_QPSK_50@24	21.30	21.59	0.144	1	Pass
20MHz_Low_QPSK_50@50	21.25	21.54	0.143	1	Pass
20MHz_Low_QPSK_100@0	21.29	21.58	0.144	1	Pass
20MHz_Low_16QAM_1@0	21.38	21.67	0.147	1	Pass
20MHz_Low_16QAM_1@49	21.63	21.92	0.156	1	Pass
20MHz_Low_16QAM_1@99	21.36	21.65	0.146	1	Pass
20MHz_Low_16QAM_50@0	20.32	20.61	0.115	1	Pass
20MHz_Low_16QAM_50@24	20.29	20.58	0.114	1	Pass
20MHz_Low_16QAM_50@50	20.23	20.52	0.113	1	Pass
20MHz_Low_16QAM_100@0	20.39	20.68	0.117	1	Pass
20MHz_Middle_QPSK_1@0	21.95	22.24	0.167	1	Pass
20MHz_Middle_QPSK_1@49	22.29	22.58	0.181	1	Pass
20MHz_Middle_QPSK_1@99	21.92	22.21	0.166	1	Pass
20MHz_Middle_QPSK_50@0	21.28	21.57	0.144	1	Pass
20MHz_Middle_QPSK_50@24	21.28	21.57	0.144	1	Pass
20MHz_Middle_QPSK_50@50	21.31	21.60	0.145	1	Pass
20MHz_Middle_QPSK_100@0	21.31	21.60	0.145	1	Pass
20MHz_Middle_16QAM_1@0	21.67	21.96	0.157	1	Pass
20MHz_Middle_16QAM_1@49	21.96	22.25	0.168	1	Pass
20MHz_Middle_16QAM_1@99	21.62	21.91	0.155	1	Pass

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
20MHz_Middle_16QAM_50@0	20.38	20.67	0.117	1	Pass
20MHz_Middle_16QAM_50@24	20.35	20.64	0.116	1	Pass
20MHz_Middle_16QAM_50@50	20.38	20.67	0.117	1	Pass
20MHz_Middle_16QAM_100@0	20.35	20.64	0.116	1	Pass
20MHz_High_QPSK_1@0	21.92	22.21	0.166	1	Pass
20MHz_High_QPSK_1@49	22.16	22.45	0.176	1	Pass
20MHz_High_QPSK_1@99	21.85	22.14	0.164	1	Pass
20MHz_High_QPSK_50@0	21.18	21.47	0.140	1	Pass
20MHz_High_QPSK_50@24	21.24	21.53	0.142	1	Pass
20MHz_High_QPSK_50@50	21.26	21.55	0.143	1	Pass
20MHz_High_QPSK_100@0	21.23	21.52	0.142	1	Pass
20MHz_High_16QAM_1@0	21.33	21.62	0.145	1	Pass
20MHz_High_16QAM_1@49	21.58	21.87	0.154	1	Pass
20MHz_High_16QAM_1@99	21.21	21.50	0.141	1	Pass
20MHz_High_16QAM_50@0	20.22	20.51	0.112	1	Pass
20MHz_High_16QAM_50@24	20.27	20.56	0.114	1	Pass
20MHz_High_16QAM_50@50	20.30	20.59	0.115	1	Pass
20MHz_High_16QAM_100@0	20.25	20.54	0.113	1	Pass

Note:

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

1.Antenna Gain = 0.49dBi;

2.Cable Loss = 0.2dB.

Peak-to-average Ratio(PAR)

FCC Part 27

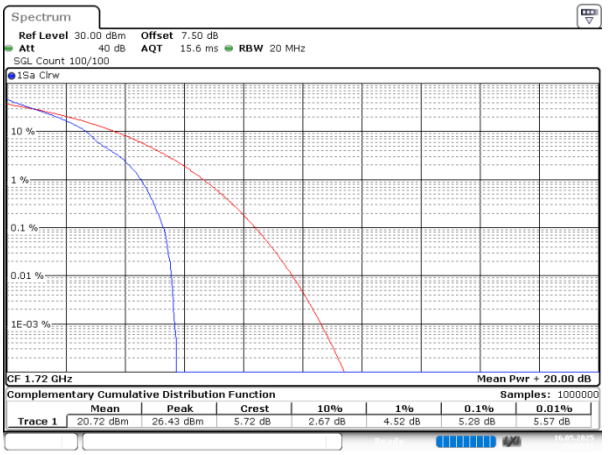
LTE Band 4 , Normal

Mode	Result (dB)	Limit (dB)
20MHz_Low_QPSK_1@0	5.28	13
20MHz_Low_QPSK_100@0	5.51	13
20MHz_Low_16QAM_1@0	6.17	13
20MHz_Low_16QAM_100@0	6.38	13
20MHz_Middle_QPSK_1@0	5.71	13
20MHz_Middle_QPSK_100@0	5.59	13
20MHz_Middle_16QAM_1@0	7.10	13
20MHz_Middle_16QAM_100@0	6.46	13
20MHz_High_QPSK_1@0	5.62	13
20MHz_High_QPSK_100@0	5.30	13
20MHz_High_16QAM_1@0	6.55	13
20MHz_High_16QAM_100@0	6.14	13

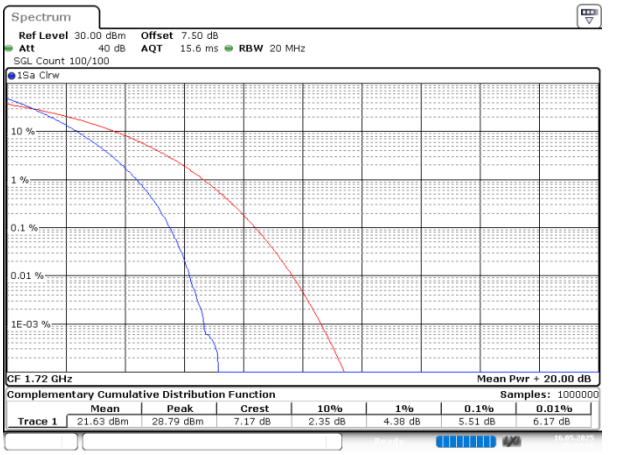
Note:worst case.

LTE Band 4 , Normal

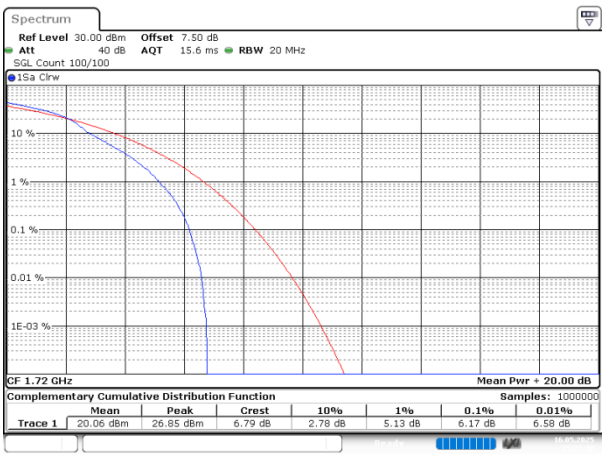
20MHz_Low_QPSK_1@0



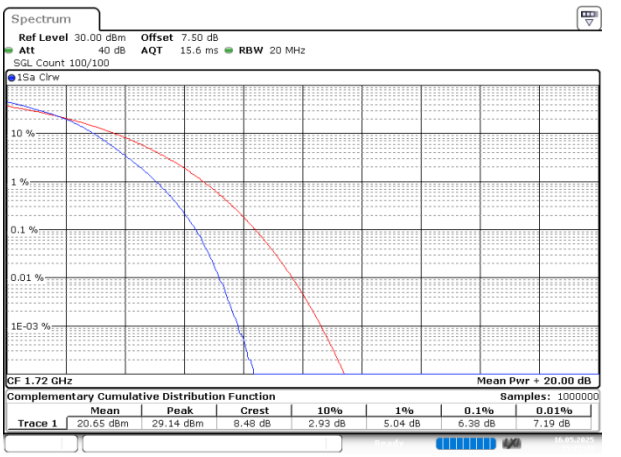
20MHz_Low_QPSK_100@0



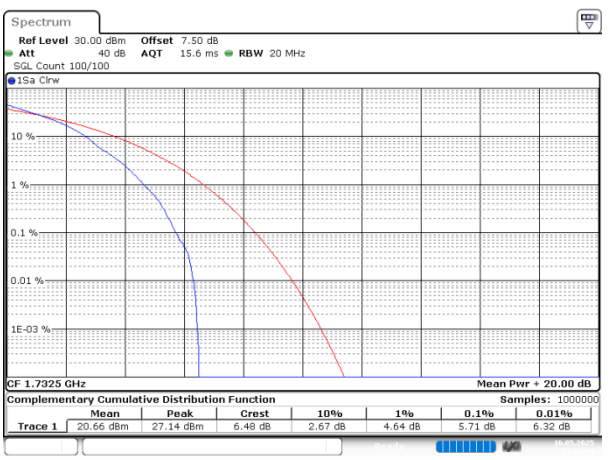
20MHz_Low_16QAM_1@0



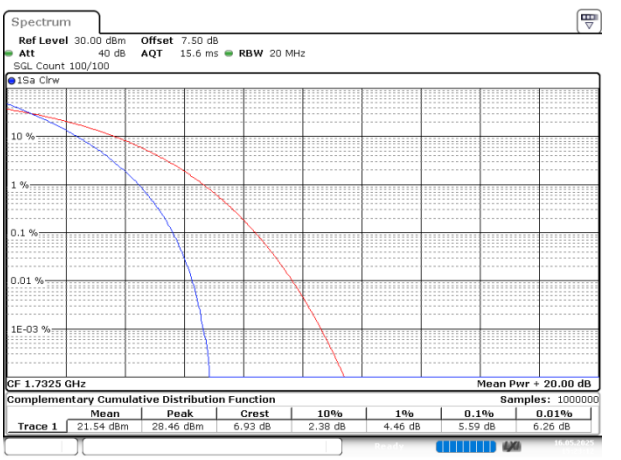
20MHz_Low_16QAM_100@0



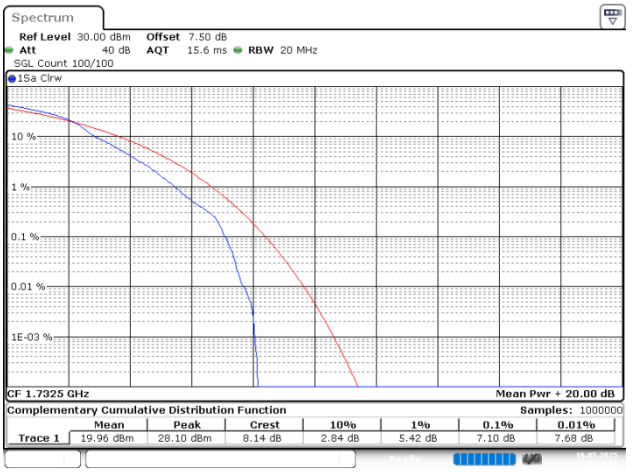
20MHz_Middle_QPSK_1@0



20MHz_Middle_QPSK_100@0



20MHz_Middle_16QAM_1@0



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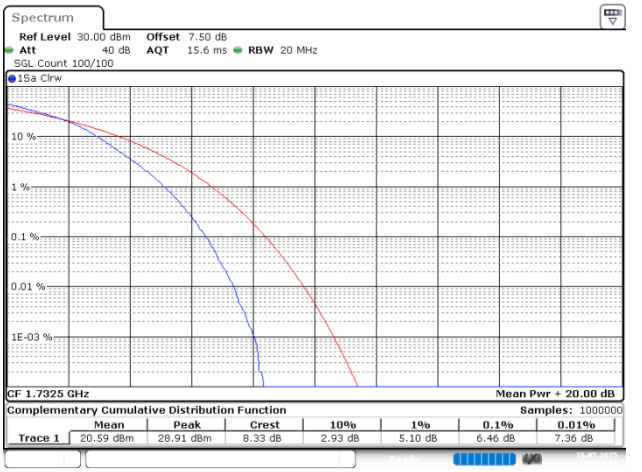
20MHz_Middle_16QAM_100@0



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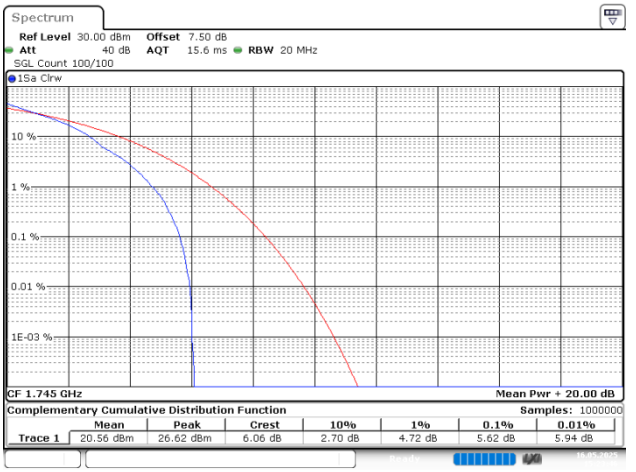
20MHz_High_QPSK_1@0



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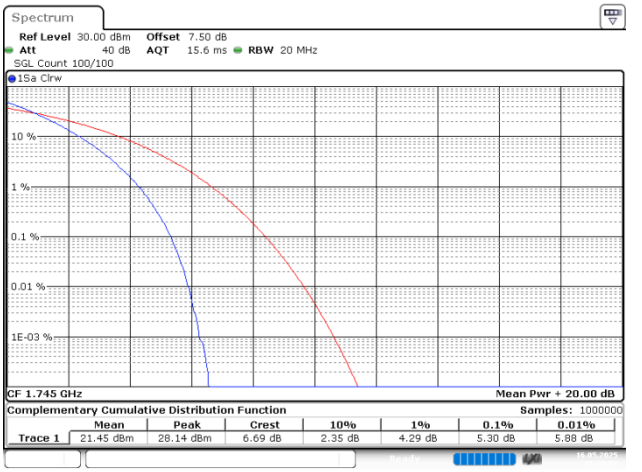
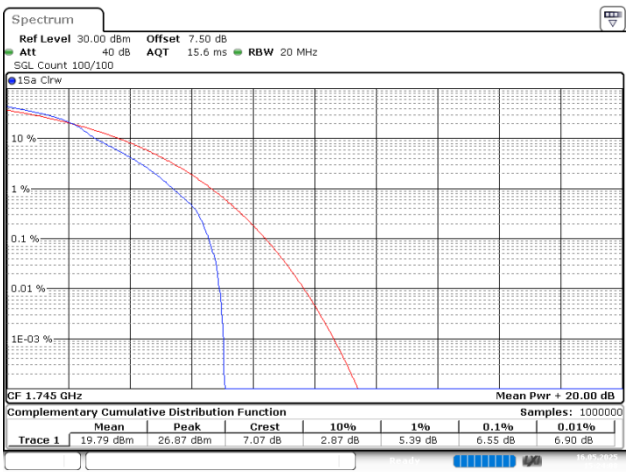
Date: 16.MAY.2025 15:23:47

20MHz_High_QPSK_100@0



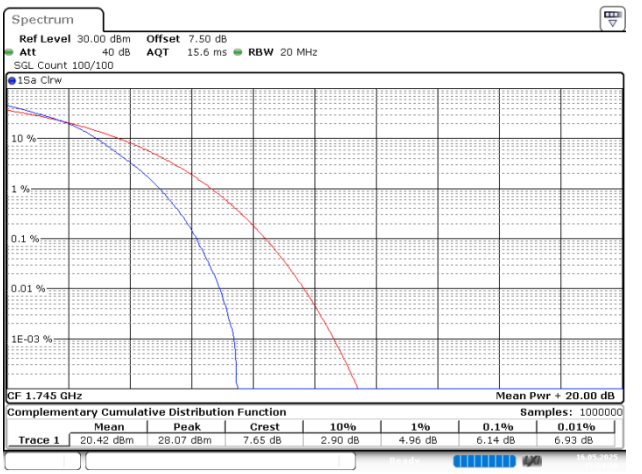
ProjectNo.:2502Q44145E-RF Tester:Loge Long
Date: 16.MAY.2025 15:23:58

20MHz_High_16QAM_1@0



ProjectNo.:2502Q44145E-RF Tester:Loge Long
Date: 16.MAY.2025 15:24:09

20MHz_High_16QAM_100@0



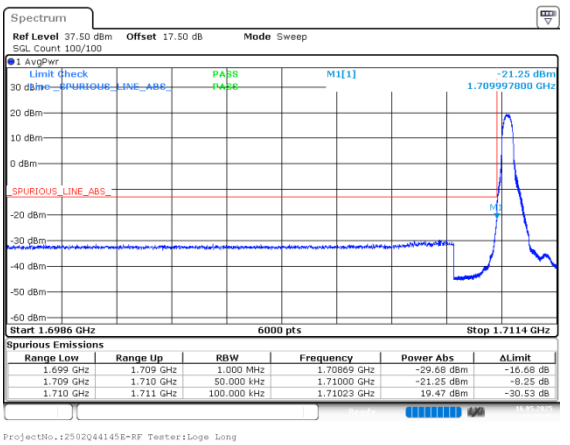
ProjectNo.:2502Q44145E-RF Tester:Loge Long
Date: 16.MAY.2025 15:24:20

Out of band emission,Band Edge

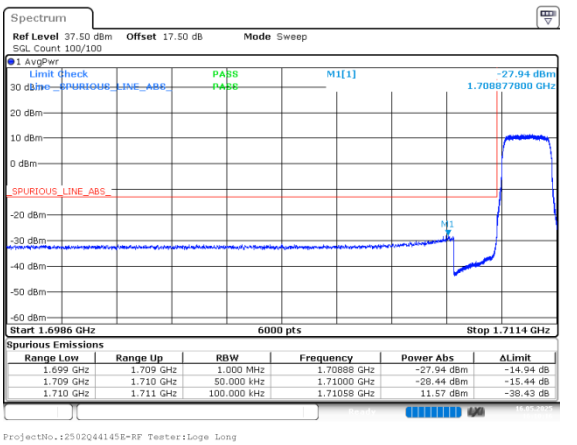
FCC Part 27

LTE Band 4 , Normal

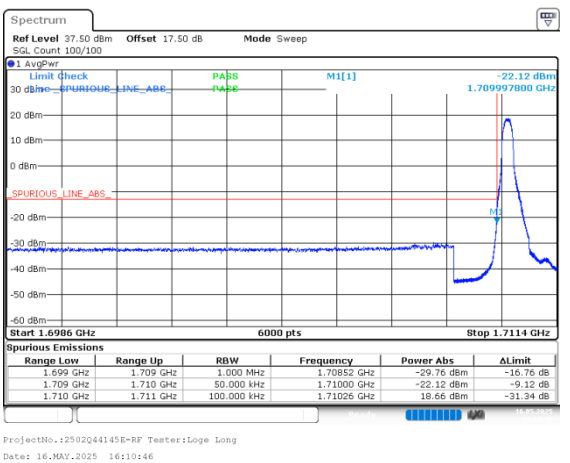
1.4MHz_Low_QPSK_1@0



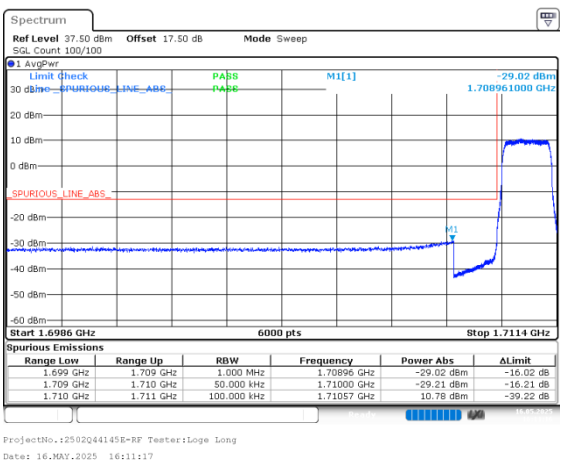
1.4MHz_Low_QPSK_6@0



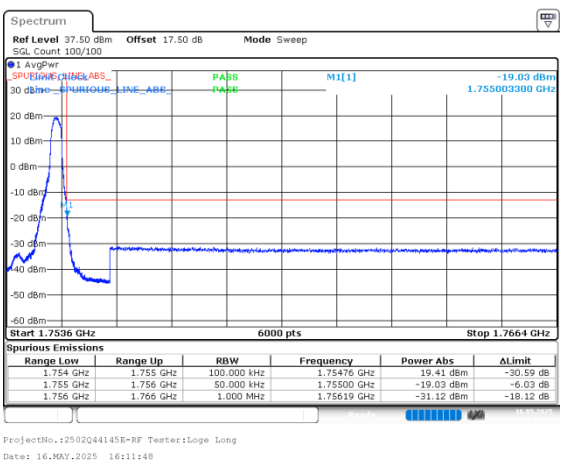
1.4MHz_Low_16QAM_1@0



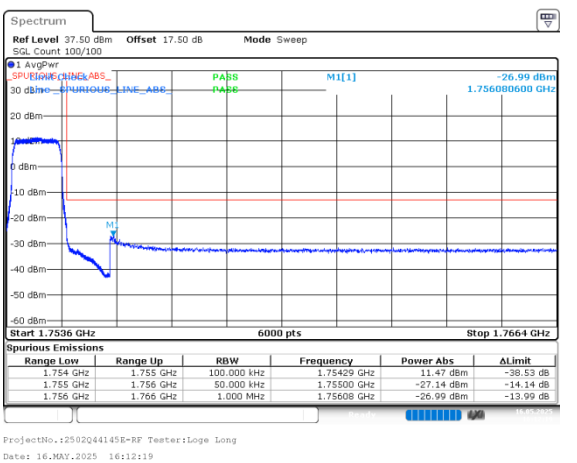
1.4MHz_Low_16QAM_6@0



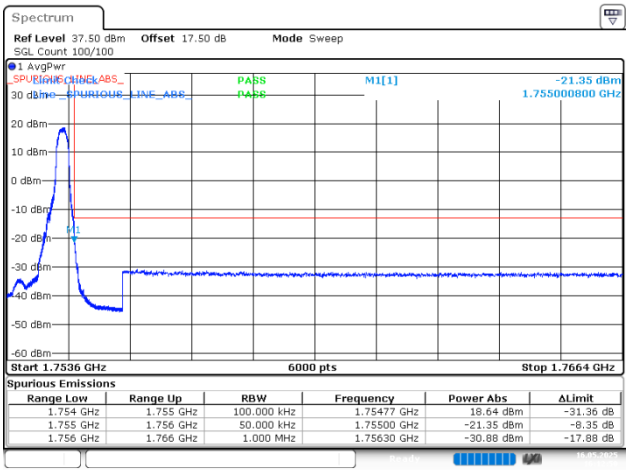
1.4MHz_High_QPSK_1@5



1.4MHz_High_QPSK_6@0

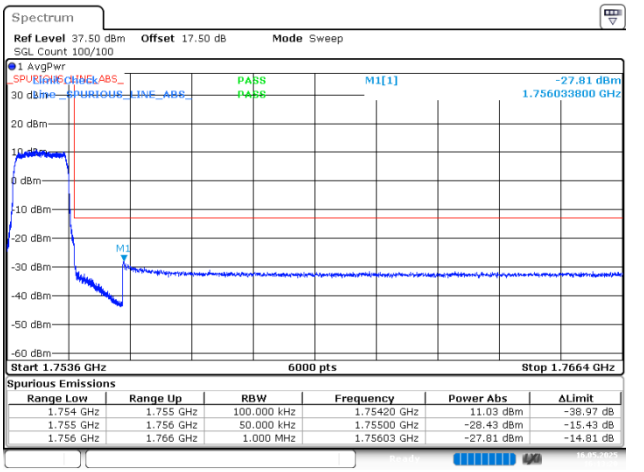


1.4MHz_High_16QAM_1@5



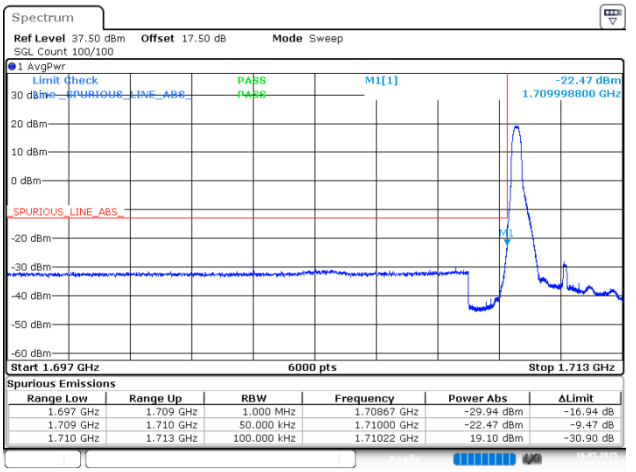
ProjectNo.:2502Q44145E-RF Tester:Loge Long
Date: 16.MAY.2025 16:12:50

1.4MHz_High_16QAM_6@0



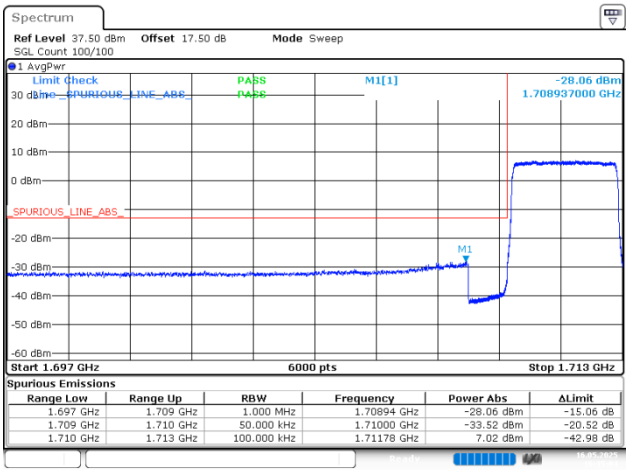
ProjectNo.:2502Q44145E-RF Tester:Loge Long
Date: 16.MAY.2025 16:13:21

3MHz_Low_QPSK_1@0



ProjectNo.:2502Q44145E-RF Tester:Loge Long
Date: 16.MAY.2025 16:14:31

3MHz_Low_QPSK_15@0



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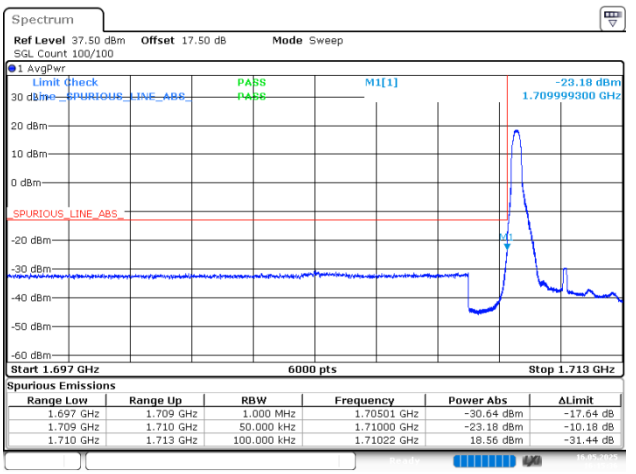
Date: 16.MAY.2025 16:15:04

3MHz_Low_16QAM_1@0



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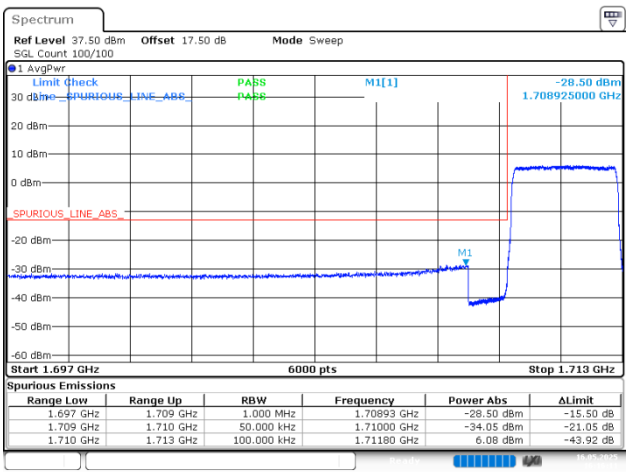
Date: 16.MAY.2025 16:15:37

3MHz_Low_16QAM_15@0



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Date: 16.MAY.2025 16:16:11