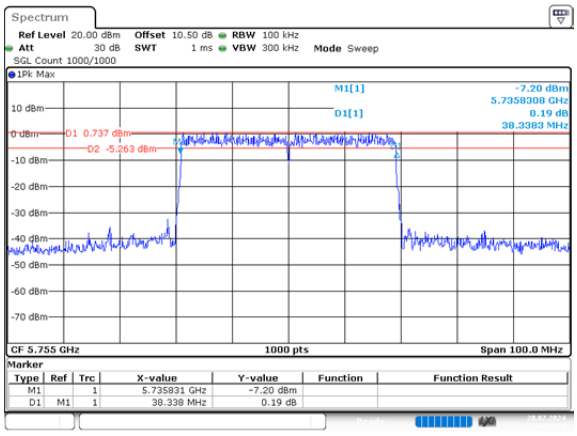
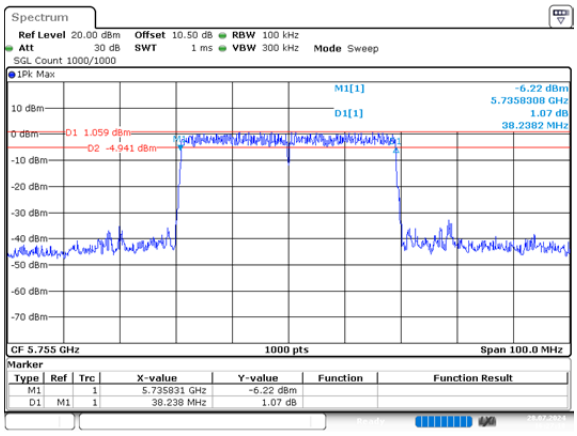
ax40_5755MHz_RU_Full_Chain 0 38.338MHz



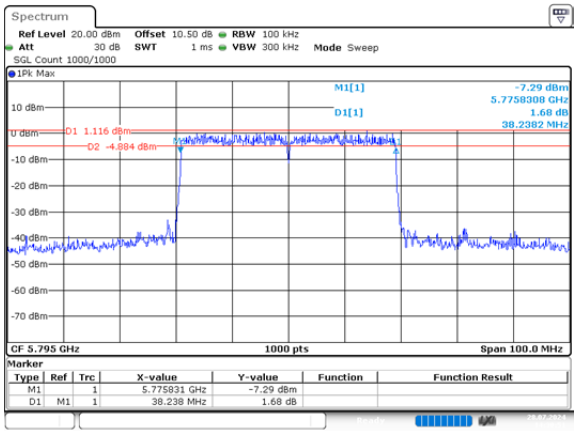
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 14:28:24

ax40_5755MHz_RU_Full_Chain 1 38.238MHz



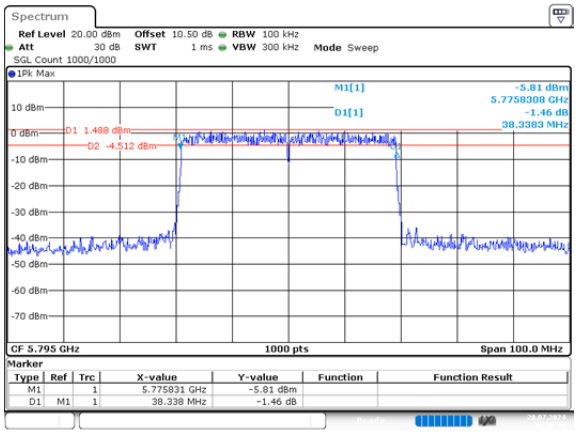
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 16:27:18

ax40_5795MHz_RU_Full_Chain 0 38.238MHz



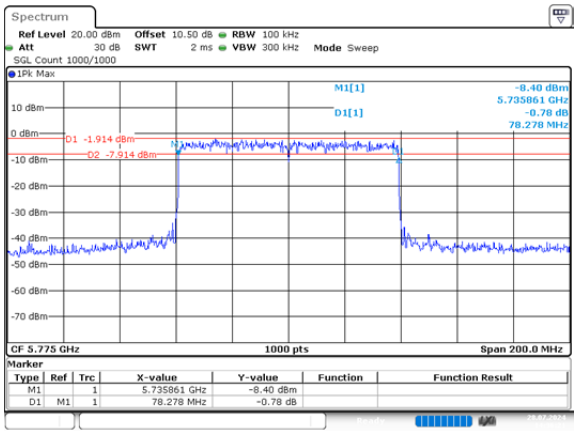
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 14:30:51

ax40_5795MHz_RU_Full_Chain 1 38.338MHz



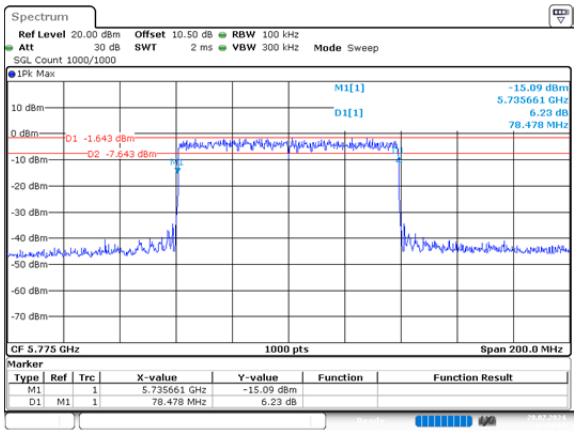
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 16:30:44

ax80_5775MHz_RU_Full_Chain 0 78.278MHz



ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 14:36:21

ax80_5775MHz_RU_Full_Chain 1 78.478MHz



ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 16:34:02

4.4 99% Occupied Bandwidth

Test Information:

Serial No.:	2MYF-8	**Test Date:**	2024/7/28
Test Site:	RF	**Test Mode:**	Transmitting
Tester:	Tao Zhu	**Test Result:**	N/A

Environmental Conditions:

Temperature: (°C):	24.4	**Relative Humidity: (%)**	65	**ATM Pressure: (kPa)**	100.4

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101591	2024/04/01	2025/03/31
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A
HuiXunDa	DC Block	SMA-JK 18G	DCB181108042	Each time	N/A
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060301	Each time	N/A

** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

5.2G

Mode	99% OBW (MHz)
a_5180MHz_Chain 0	16.550
a_5180MHz_Chain 1	16.600
a_5200MHz_Chain 0	16.550
a_5200MHz_Chain 1	16.550
a_5240MHz_Chain 0	16.500
a_5240MHz_Chain 1	16.550
n20_5180MHz_Chain 0	17.650
n20_5180MHz_Chain 1	17.650
n20_5200MHz_Chain 0	17.650
n20_5200MHz_Chain 1	17.650
n20_5240MHz_Chain 0	17.600
n20_5240MHz_Chain 1	17.650
n40_5190MHz_Chain 0	36
n40_5190MHz_Chain 1	35.800
n40_5230MHz_Chain 0	36
n40_5230MHz_Chain 1	35.800
ac80_5210MHz_Chain 0	76
ac80_5210MHz_Chain 1	75.800
ax20_5180MHz_RU_Full_Chain 0	19.150
ax20_5180MHz_RU_Full_Chain 1	19.200
ax20_5200MHz_RU_Full_Chain 0	19.200
ax20_5200MHz_RU_Full_Chain 1	19.150
ax20_5240MHz_RU_Full_Chain 0	18.950
ax20_5240MHz_RU_Full_Chain 1	19
ax40_5190MHz_RU_Full_Chain 0	37.900
ax40_5190MHz_RU_Full_Chain 1	37.900
ax40_5230MHz_RU_Full_Chain 0	37.800
ax40_5230MHz_RU_Full_Chain 1	37.900
ax80_5210MHz_RU_Full_Chain 0	77.600
ax80_5210MHz_RU_Full_Chain 1	77.400

Note:
The 99% Occupied Bandwidth have not fall into the band 5250-5350MHz, please refer to the test plots of 99% Occupied Bandwidth.

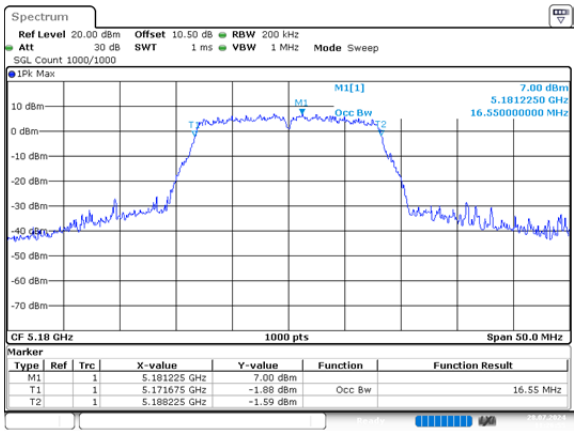
5.8G

Mode	99% OBW (MHz)
a_5745MHz_Chain 0	16.700
a_5745MHz_Chain 1	16.650
a_5785MHz_Chain 0	16.750
a_5785MHz_Chain 1	16.700
a_5825MHz_Chain 0	16.700
a_5825MHz_Chain 1	16.650
n20_5745MHz_Chain 0	17.800
n20_5745MHz_Chain 1	17.700
n20_5785MHz_Chain 0	17.700
n20_5785MHz_Chain 1	17.700
n20_5825MHz_Chain 0	17.750
n20_5825MHz_Chain 1	17.750
n40_5755MHz_Chain 0	36.200
n40_5755MHz_Chain 1	36
n40_5795MHz_Chain 0	36.300
n40_5795MHz_Chain 1	36
ac80_5775MHz_Chain 0	76
ac80_5775MHz_Chain 1	75.800
ax20_5745MHz_RU_Full_Chain 0	19.200
ax20_5745MHz_RU_Full_Chain 1	19.250
ax20_5785MHz_RU_Full_Chain 0	19.250
ax20_5785MHz_RU_Full_Chain 1	19.200
ax20_5825MHz_RU_Full_Chain 0	19.300
ax20_5825MHz_RU_Full_Chain 1	19.200
ax40_5755MHz_RU_Full_Chain 0	37.900
ax40_5755MHz_RU_Full_Chain 1	37.800
ax40_5795MHz_RU_Full_Chain 0	37.900
ax40_5795MHz_RU_Full_Chain 1	37.900
ax80_5775MHz_RU_Full_Chain 0	77.400
ax80_5775MHz_RU_Full_Chain 1	77.400

Note:
The 99% Occupied Bandwidth have not fall into the band 5470-5725MHz, please refer to the test plots of 99% Occupied Bandwidth.

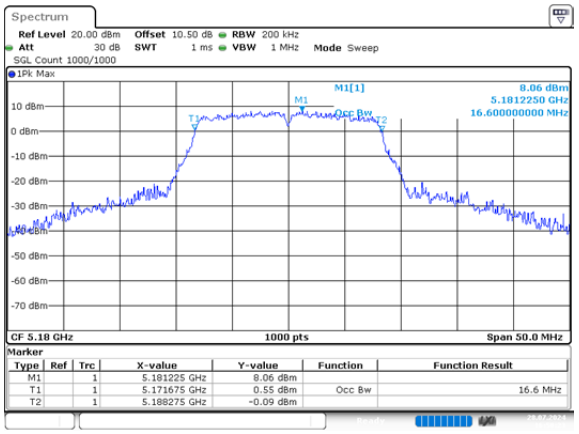
5.2G

a_5180MHz_Chain 0 16.550MHz



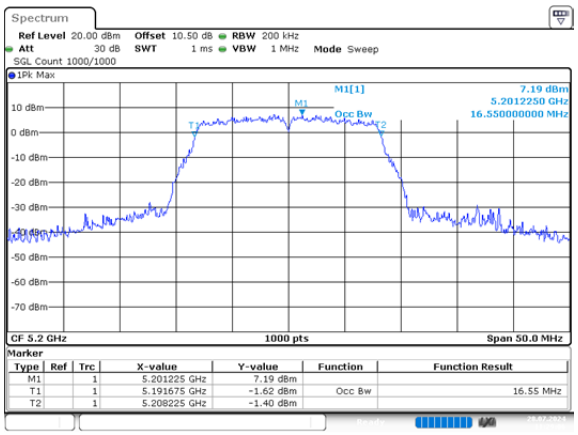
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 11:26:55

a_5180MHz_Chain 1 16.600MHz



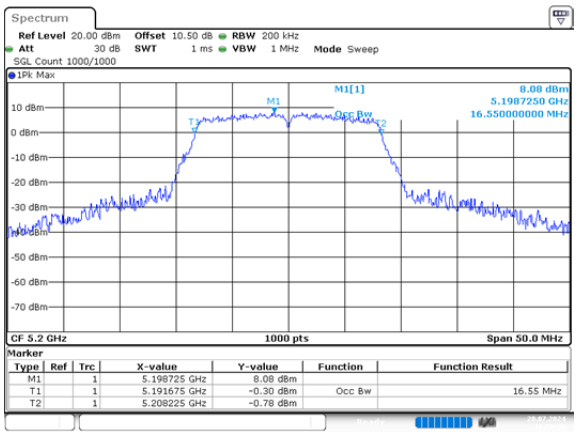
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 16:50:23

a_5200MHz_Chain 0 16.550MHz



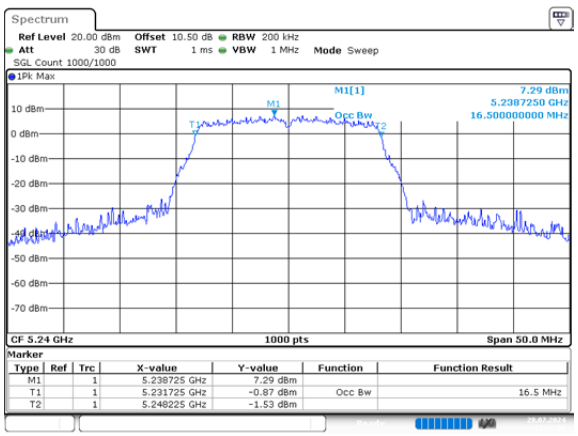
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 11:29:06

a_5200MHz_Chain 1 16.550MHz



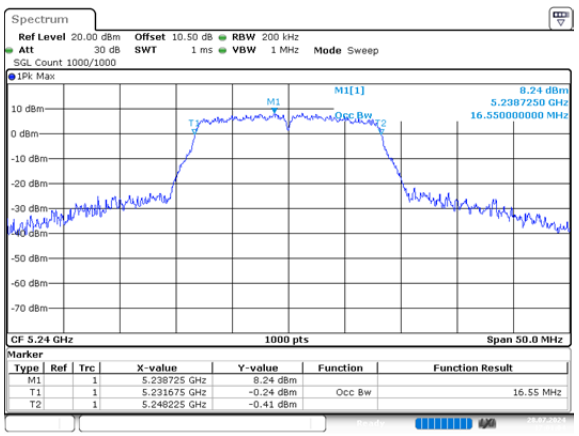
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 16:58:50

a_5240MHz_Chain 0 16.500MHz



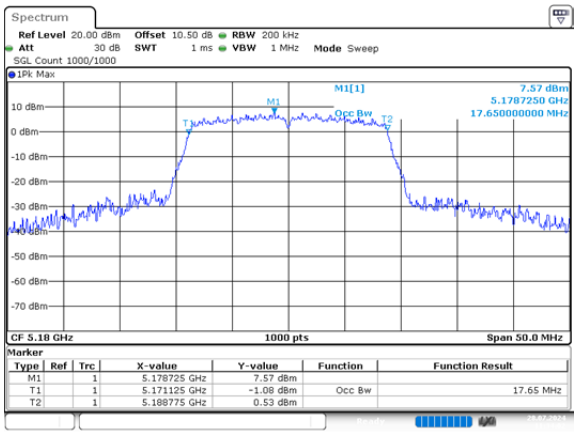
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 11:31:08

a_5240MHz_Chain 1 16.550MHz

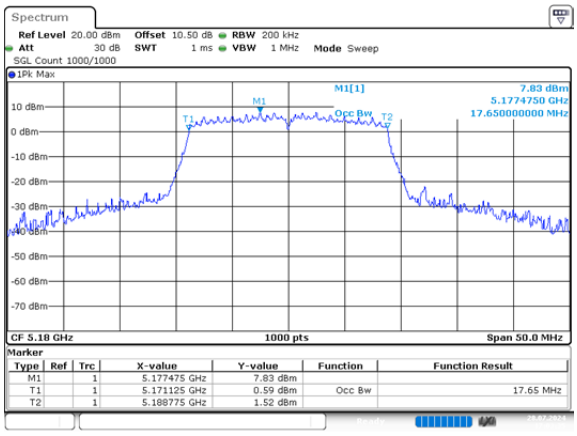


ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 17:01:04

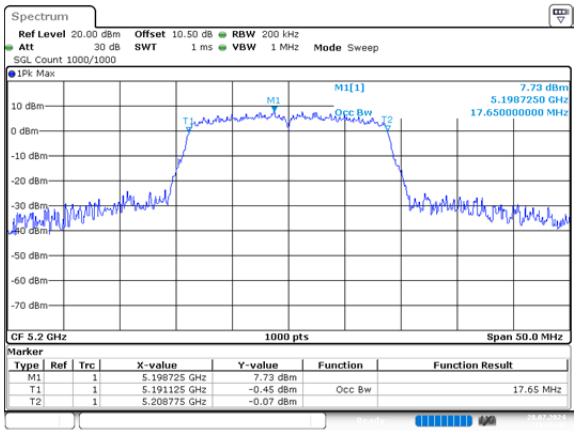
n20_5180MHz_Chain 0 17.650MHz



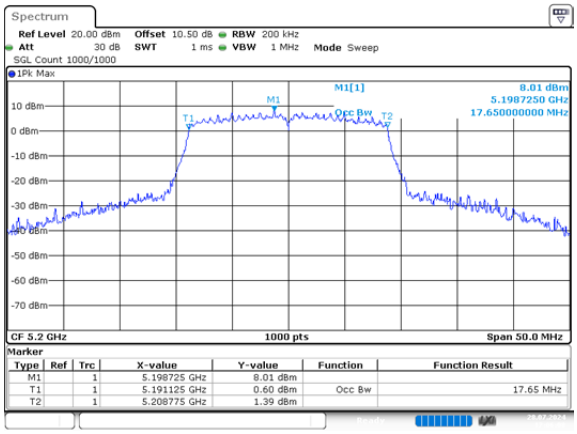
n20_5180MHz_Chain 1 17.650MHz



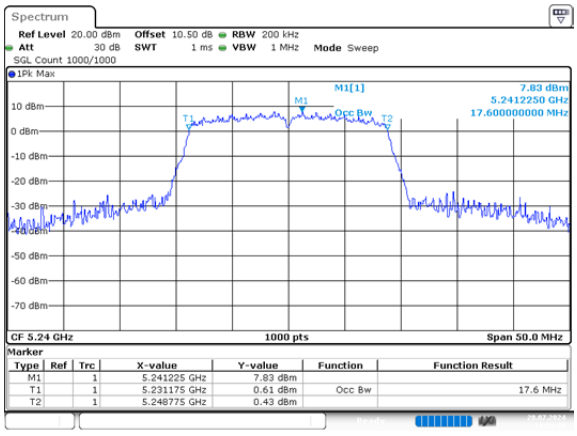
n20_5200MHz_Chain 0 17.650MHz



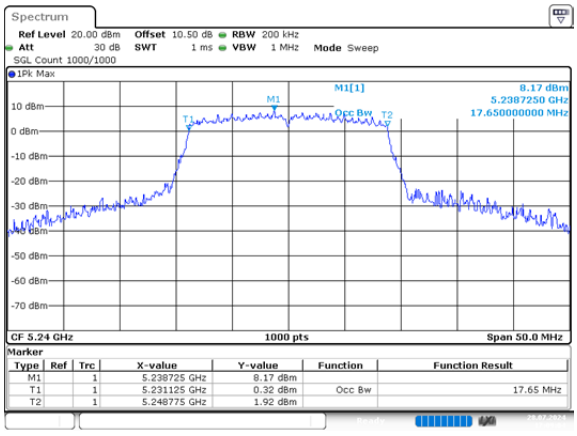
n20_5200MHz_Chain 1 17.650MHz



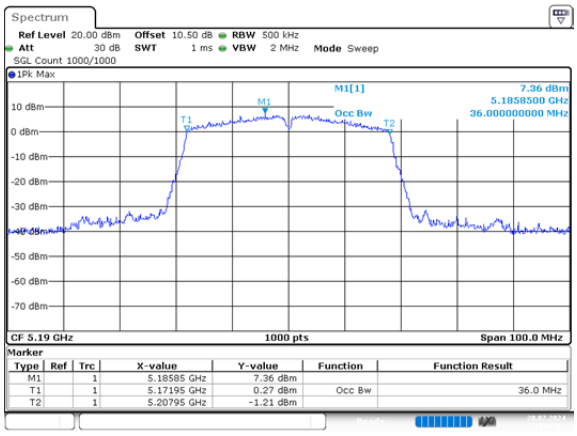
n20_5240MHz_Chain 0 17.600MHz



n20_5240MHz_Chain 1 17.650MHz

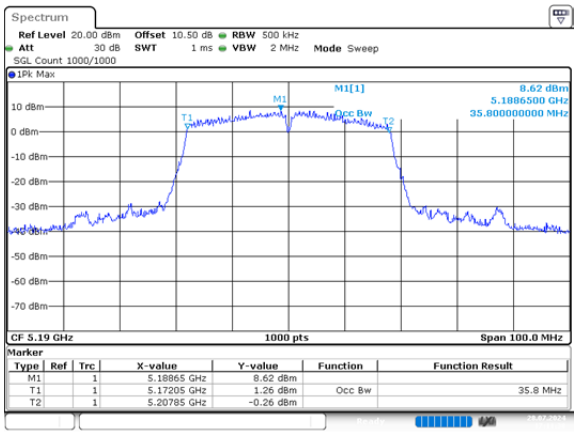


n40_5190MHz_Chain 0 36MHz



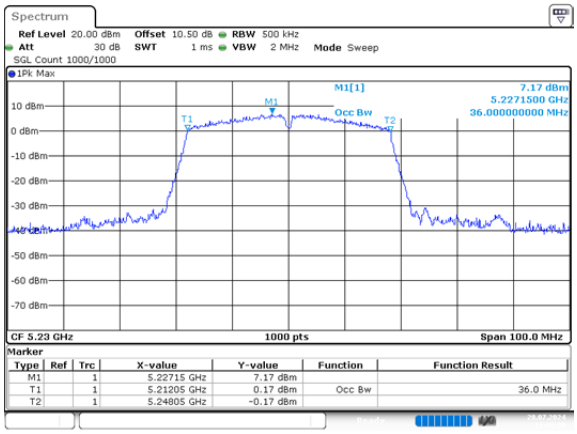
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 11:42:03

n40_5190MHz_Chain 1 35.800MHz



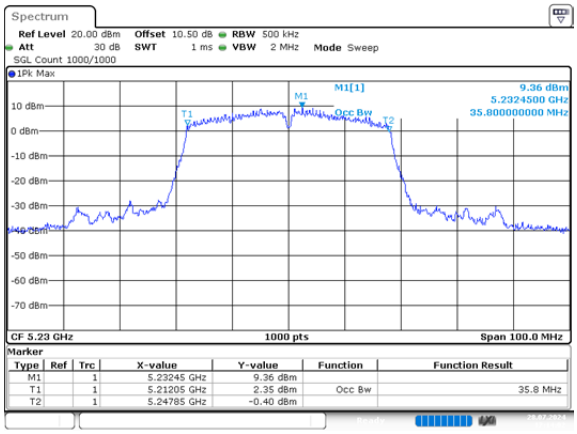
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 17:11:39

n40_5230MHz_Chain 0 36MHz



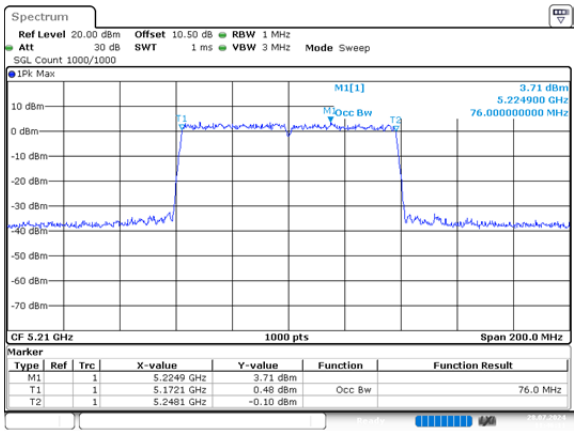
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 11:43:36

n40_5230MHz_Chain 1 35.800MHz



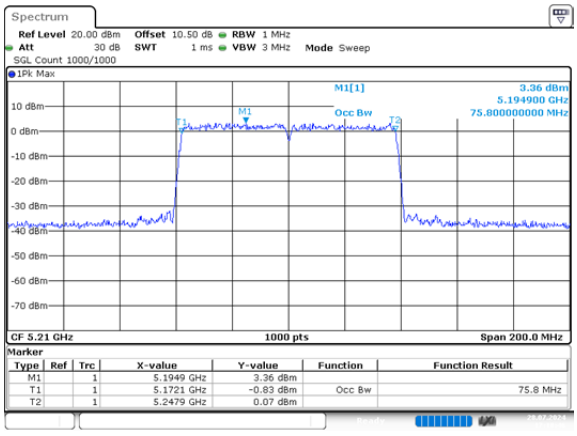
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 17:14:02

ac80_5210MHz_Chain 0 76MHz



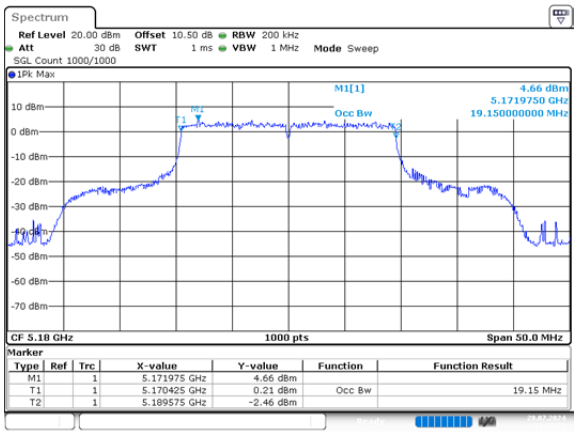
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 11:46:11

ac80_5210MHz_Chain 1 75.800MHz



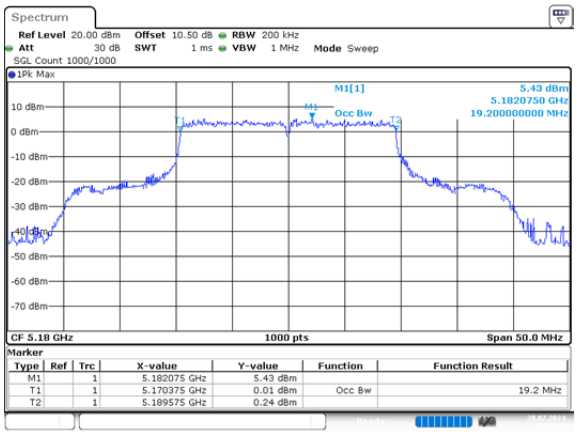
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 17:18:47

ax20_5180MHz_RU_Full_Chain 0 19.150MHz



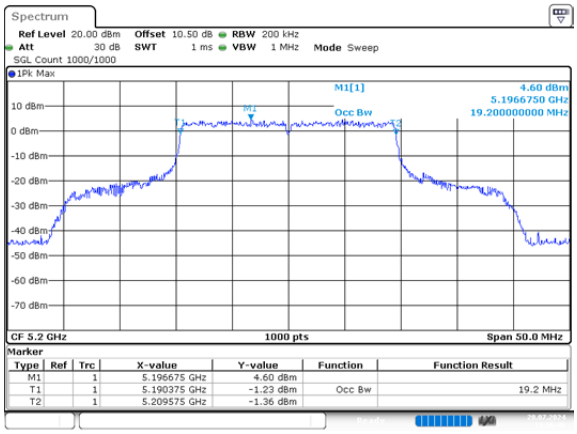
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 13:23:22

ax20_5180MHz_RU_Full_Chain 1 19.200MHz



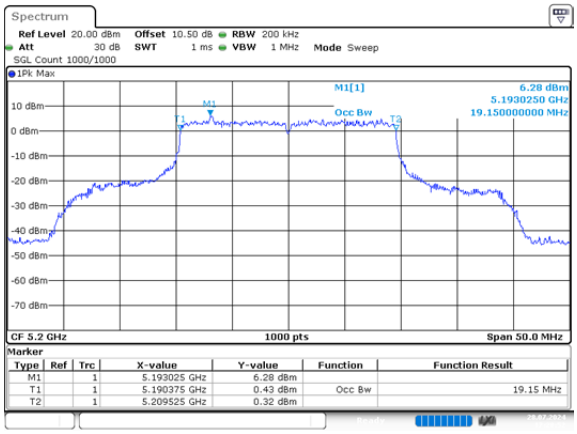
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 17:25:48

ax20_5200MHz_RU_Full_Chain 0 19.200MHz



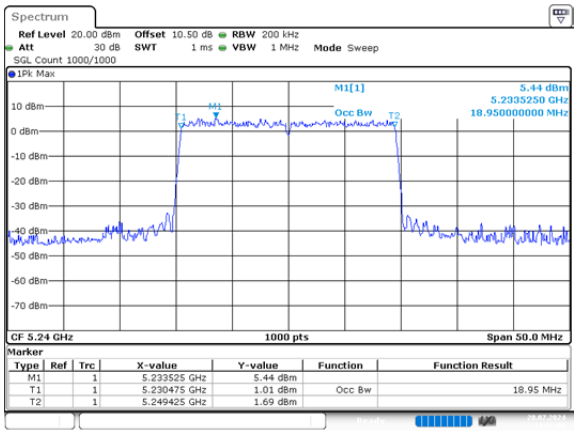
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 13:36:47

ax20_5200MHz_RU_Full_Chain 1 19.150MHz



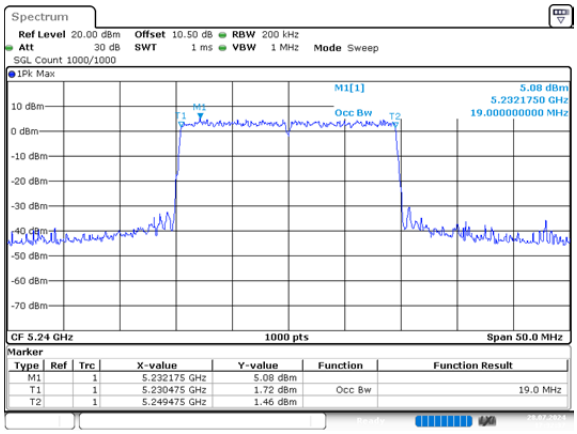
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 17:28:52

ax20_5240MHz_RU_Full_Chain 0 18.950MHz



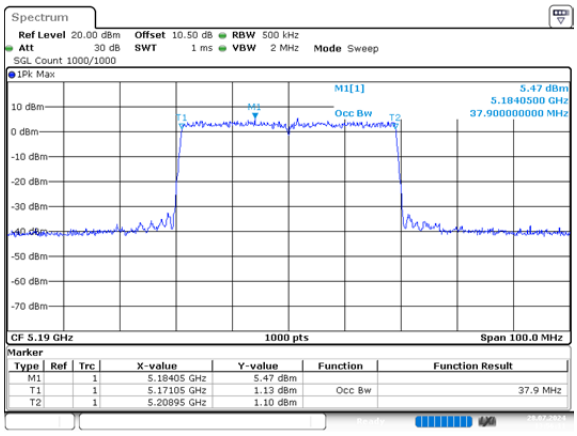
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 13:52:09

ax20_5240MHz_RU_Full_Chain 1 19MHz



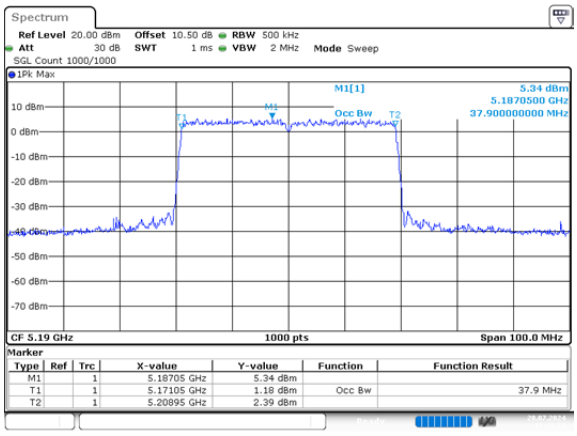
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 17:32:38

ax40_5190MHz_RU_Full_Chain 0 37.900MHz



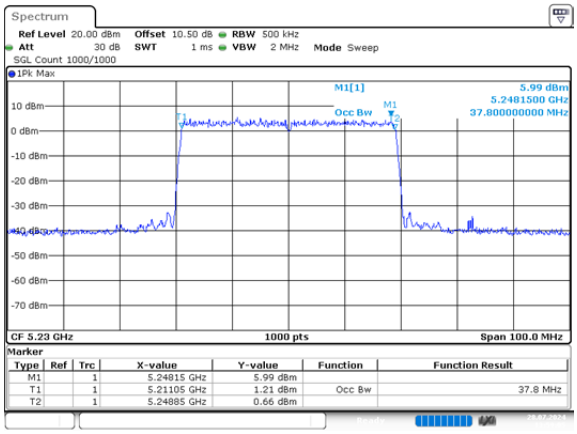
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 13:56:11

ax40_5190MHz_RU_Full_Chain 1 37.900MHz



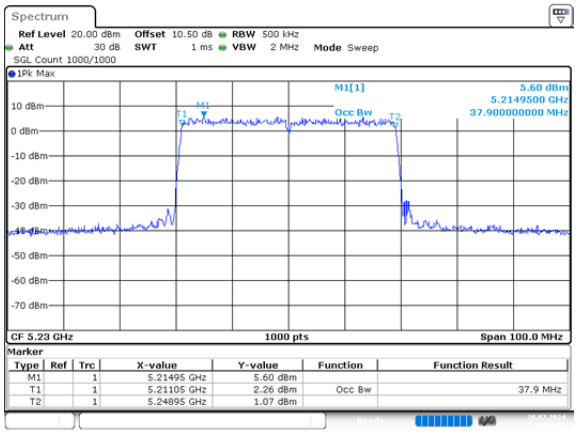
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 17:41:21

ax40_5230MHz_RU_Full_Chain 0 37.800MHz



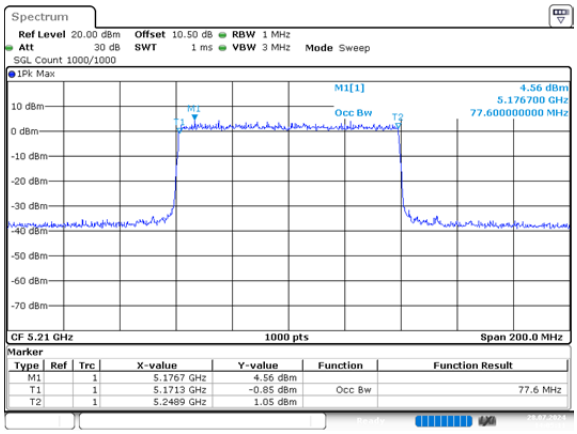
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 13:59:06

ax40_5230MHz_RU_Full_Chain 1 37.900MHz



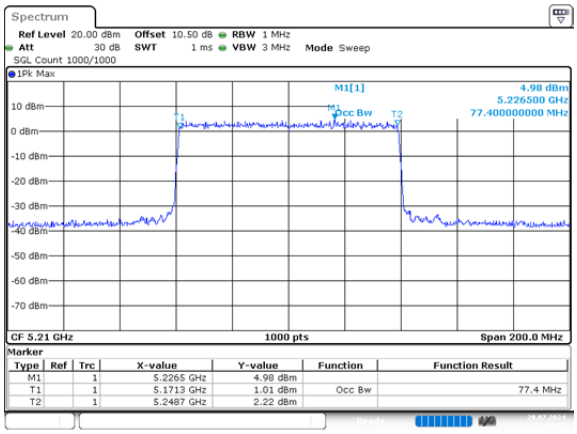
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 17:44:22

ax80_5210MHz_RU_Full_Chain 0 77.600MHz



ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 14:05:12

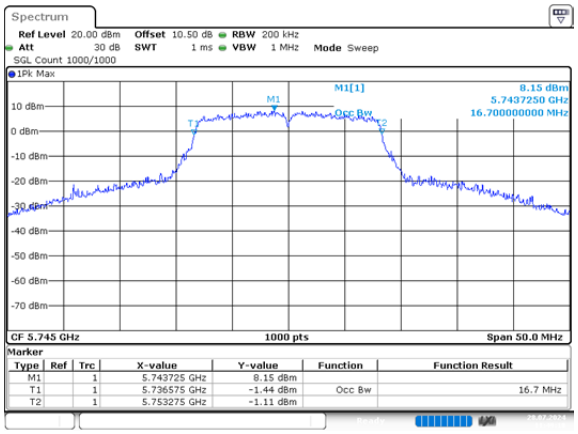
ax80_5210MHz_RU_Full_Chain 1 77.400MHz



ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 17:48:37

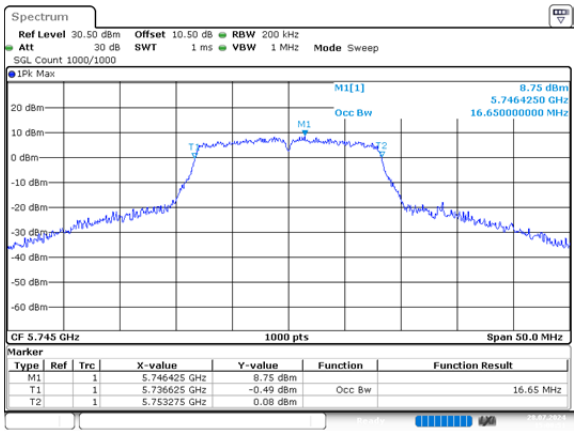
5.8G

a_5745MHz_Chain 0 16.700MHz



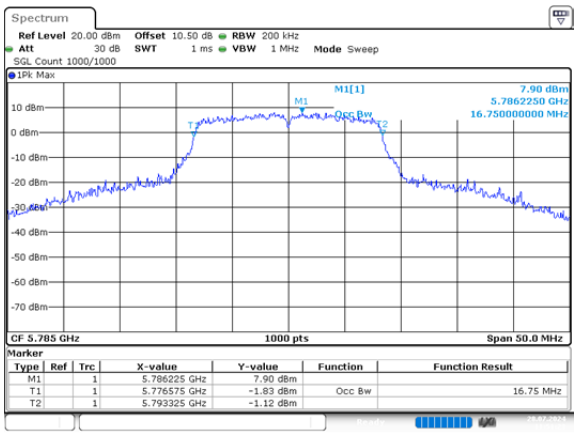
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 11:49:19

a_5745MHz_Chain 1 16.650MHz



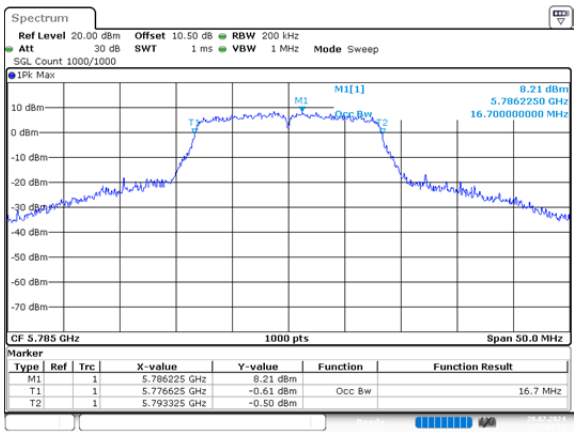
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 15:00:51

a_5785MHz_Chain 0 16.750MHz



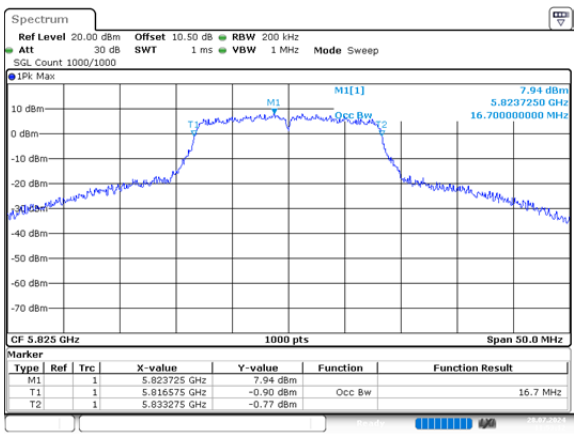
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 11:51:23

a_5785MHz_Chain 1 16.700MHz



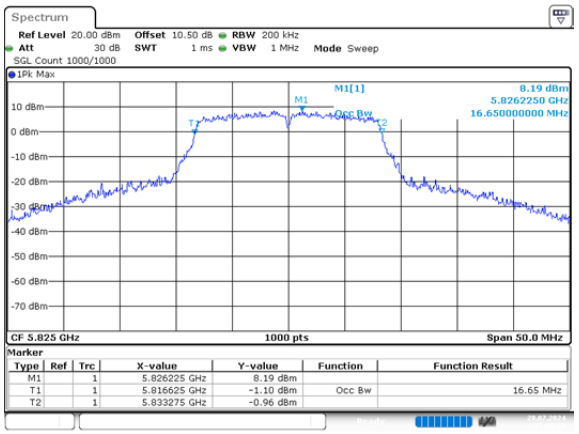
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 15:03:31

a_5825MHz_Chain 0 16.700MHz



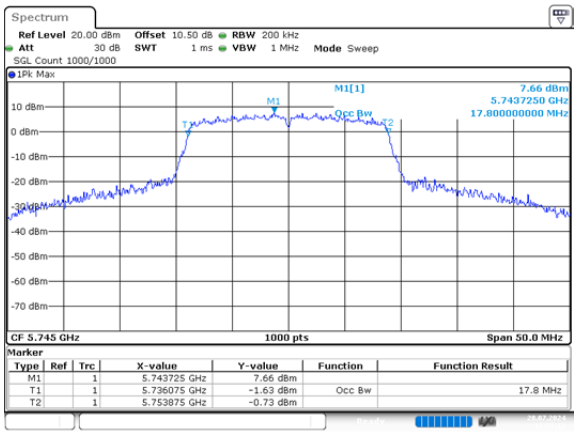
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 11:53:12

a_5825MHz_Chain 1 16.650MHz

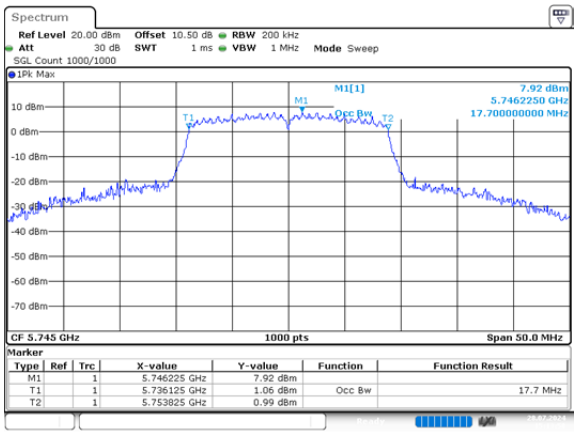


ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 15:08:20

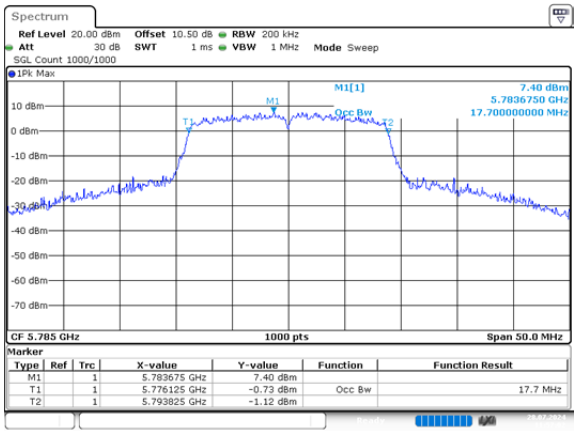
n20_5745MHz_Chain 0 17.800MHz



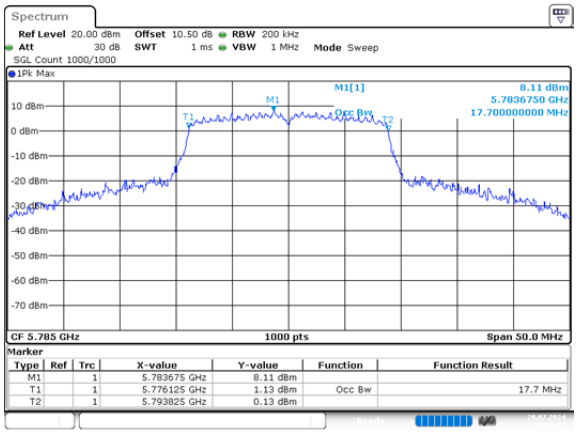
n20_5745MHz_Chain 1 17.700MHz



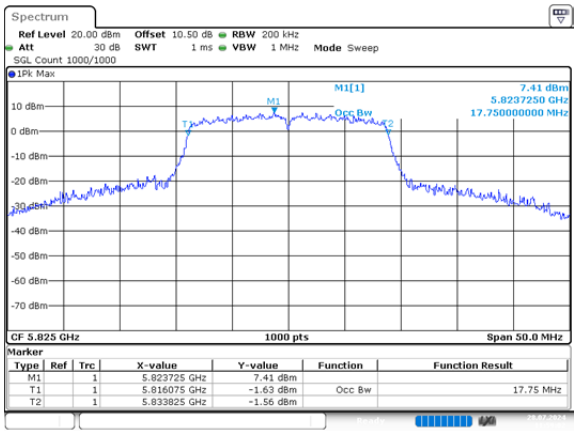
n20_5785MHz_Chain 0 17.700MHz



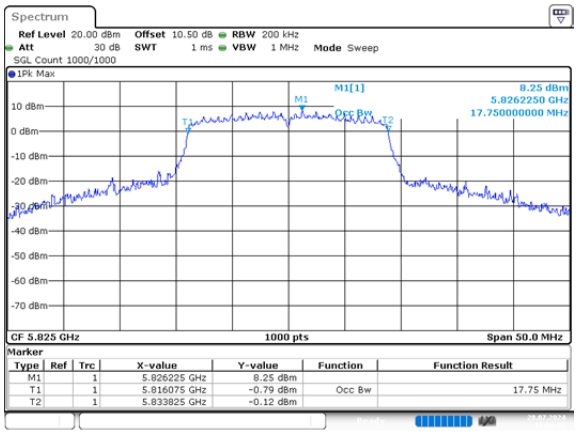
n20_5785MHz_Chain 1 17.700MHz



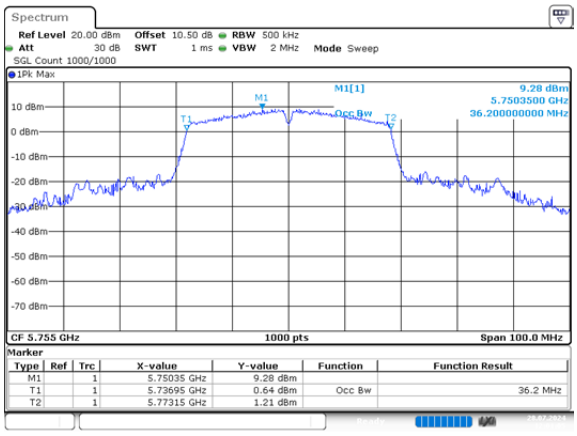
n20_5825MHz_Chain 0 17.750MHz



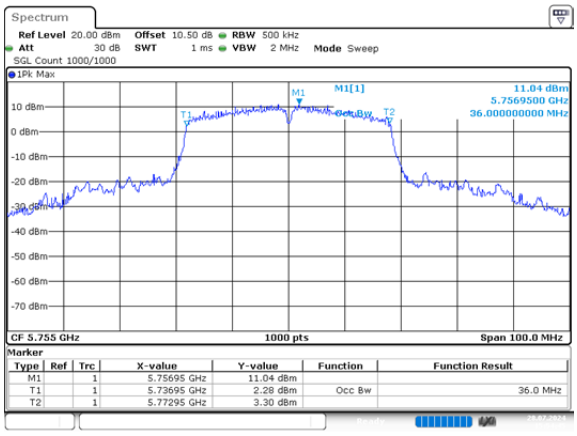
n20_5825MHz_Chain 1 17.750MHz



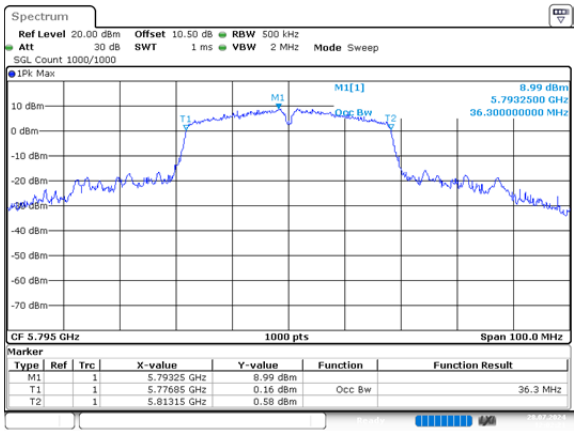
n40_5755MHz_Chain 0 36.200MHz



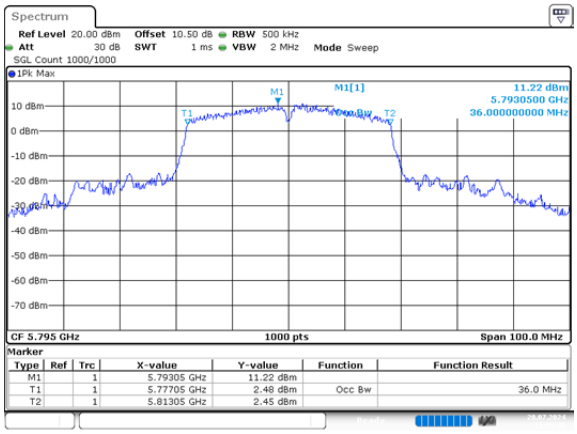
n40_5755MHz_Chain 1 36MHz



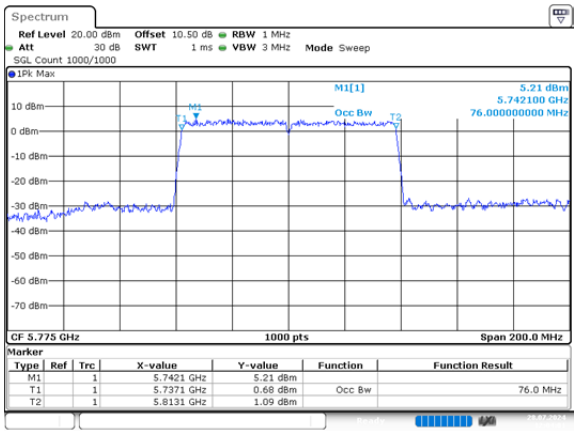
n40_5795MHz_Chain 0 36.300MHz



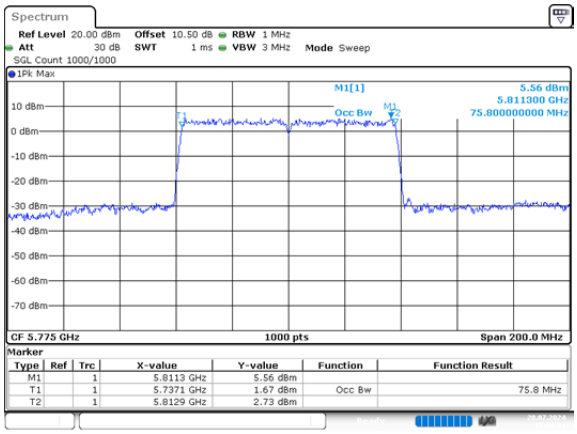
n40_5795MHz_Chain 1 36MHz



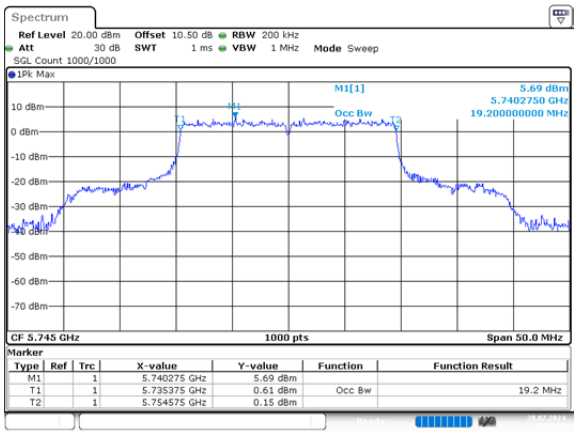
ac80_5775MHz_Chain 0 76MHz



ac80_5775MHz_Chain 1 75.800MHz

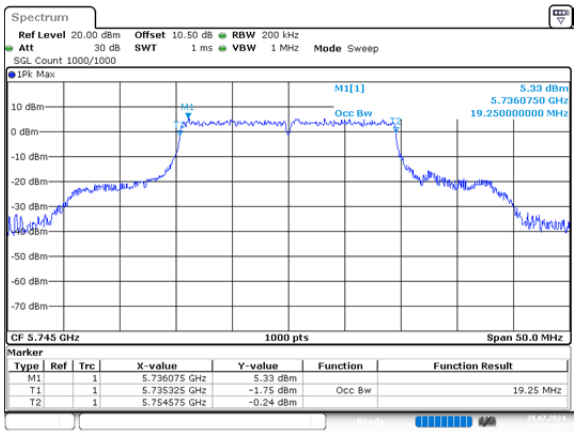


ax20_5745MHz_RU_Full_Chain 0 19.200MHz



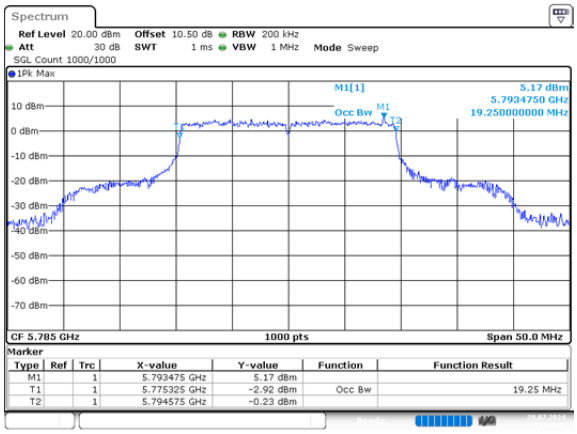
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 14:13:58

ax20_5745MHz_RU_Full_Chain 1 19.250MHz



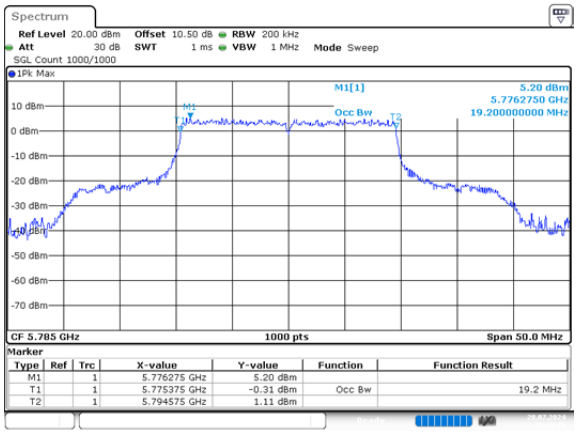
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 16:03:02

ax20_5785MHz_RU_Full_Chain 0 19.250MHz



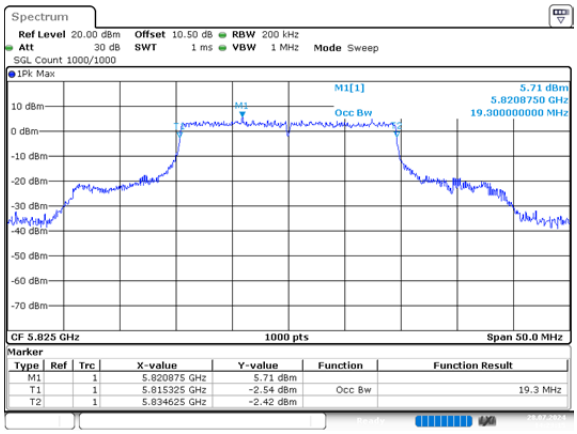
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 14:17:45

ax20_5785MHz_RU_Full_Chain 1 19.200MHz



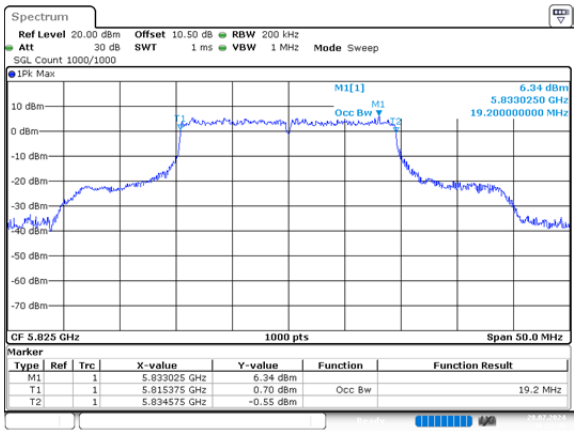
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 16:18:39

ax20_5825MHz_RU_Full_Chain 0 19.300MHz



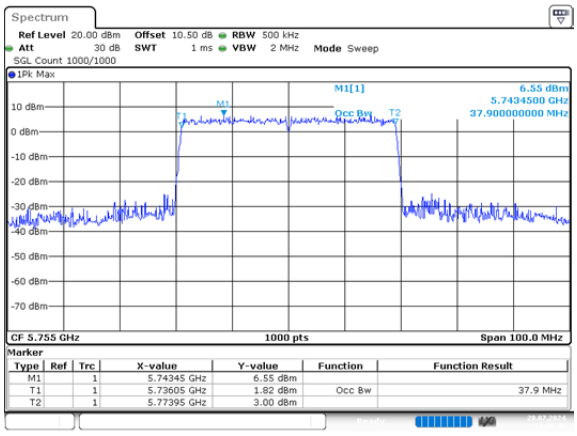
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 14:23:15

ax20_5825MHz_RU_Full_Chain 1 19.200MHz



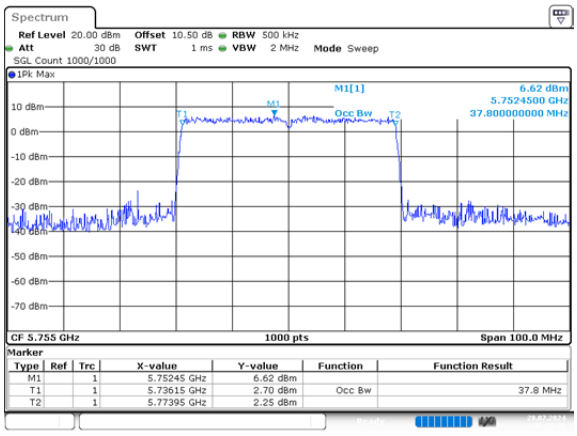
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 16:21:46

ax40_5755MHz_RU_Full_Chain 0 37.900MHz



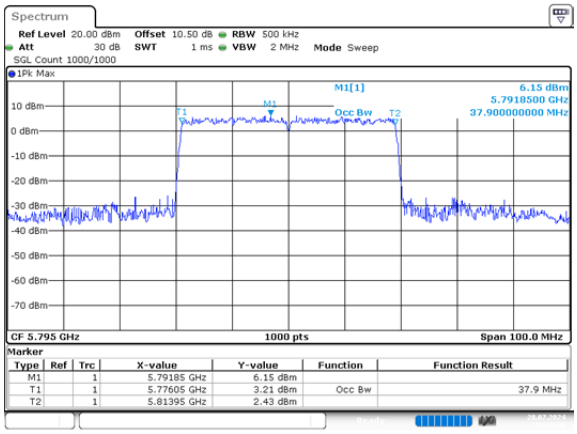
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 14:26:48

ax40_5755MHz_RU_Full_Chain 1 37.800MHz



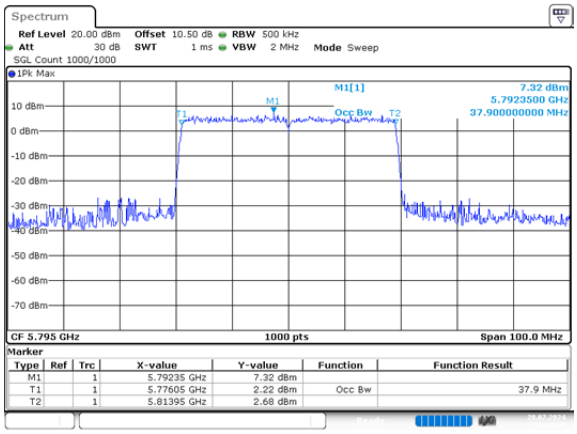
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 16:25:35

ax40_5795MHz_RU_Full_Chain 0 37.900MHz



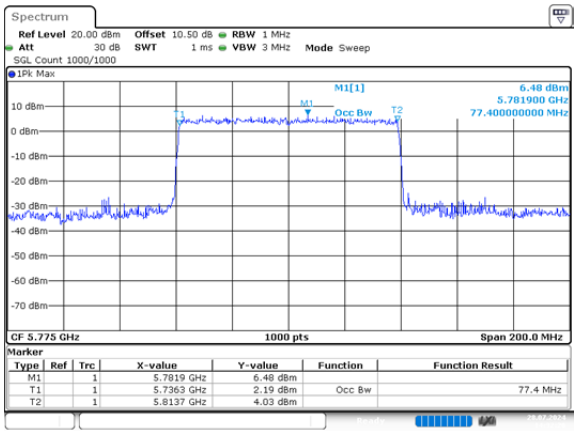
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 14:29:30

ax40_5795MHz_RU_Full_Chain 1 37.900MHz



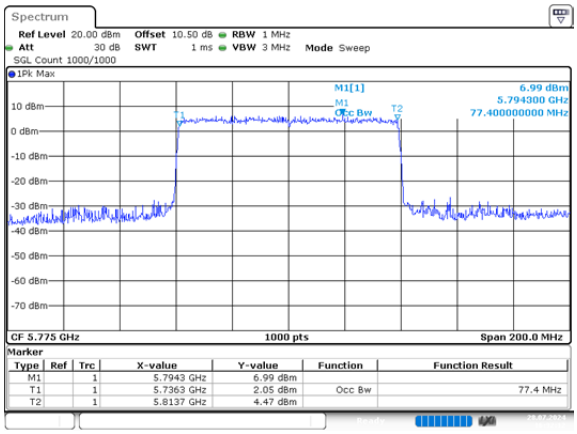
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 16:28:49

ax80_5775MHz_RU_Full_Chain 0 77.400MHz



ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 14:32:21

ax80_5775MHz_RU_Full_Chain 1 77.400MHz



ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 16:32:12

4.5 Maximum Conducted Output Power

Test Information:

Serial No.:	2MYF-8	**Test Date:**	2024/7/28~2024/7/31
Test Site:	RF	**Test Mode:**	Transmitting
Tester:	Tao Zhu	**Test Result:**	Pass

Environmental Conditions:

Temperature: (°C):	24.4-25.6	**Relative Humidity: (%)**	65-67	**ATM Pressure: (kPa)**	100.4-100.8

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A
HuiXunDa	DC Block	SMA-JK 18G	DCB181108042	Each time	N/A
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060301	Each time	N/A
Anritsu	Power Meter	ML2495A	1106009	2023/08/04	2024/08/03
Anritsu	Pulse Power Sensor	MA2411A	10780	2023/08/04	2024/08/03

** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

5.2G

Mode	Average Output Power (dBm)	Limit (dBm)	Result
a_5180MHz_Chain 0	16.62	30	Pass
a_5180MHz_Chain 1	17.91	30	Pass
a_5200MHz_Chain 0	16.82	30	Pass
a_5200MHz_Chain 1	17.97	30	Pass
a_5240MHz_Chain 0	16.83	30	Pass
a_5240MHz_Chain 1	18.02	30	Pass
n20_5180MHz_Chain 0	17.09	30	Pass
n20_5180MHz_Chain 1	17.38	30	Pass
n20_5180MHz_Chain 0+Chain 1	20.25	30	Pass
n20_5200MHz_Chain 0	17.27	30	Pass
n20_5200MHz_Chain 1	17.53	30	Pass
n20_5200MHz_Chain 0+Chain 1	20.41	30	Pass
n20_5240MHz_Chain 0	17.28	30	Pass
n20_5240MHz_Chain 1	17.59	30	Pass
n20_5240MHz_Chain 0+Chain 1	20.45	30	Pass
n40_5190MHz_Chain 0	15.13	30	Pass
n40_5190MHz_Chain 1	15.42	30	Pass
n40_5190MHz_Chain 0+Chain 1	18.29	30	Pass
n40_5230MHz_Chain 0	15.22	30	Pass
n40_5230MHz_Chain 1	15.47	30	Pass
n40_5230MHz_Chain 0+Chain 1	18.36	30	Pass
ac80_5210MHz_Chain 0	12.5	30	Pass
ac80_5210MHz_Chain 1	12.3	30	Pass
ac80_5210MHz_Chain 0+Chain 1	15.41	30	Pass
ax20_5180MHz_RU_Full_Chain 0	14.49	30	Pass
ax20_5180MHz_RU_Full_Chain 1	14.86	30	Pass
ax20_5180MHz_RU_Full_Chain 0+Chain 1	17.78	30	Pass
ax20_5200MHz_RU_Full_Chain 0	14.73	30	Pass
ax20_5200MHz_RU_Full_Chain 1	14.9	30	Pass
ax20_5200MHz_RU_Full_Chain 0+Chain 1	17.90	30	Pass
ax20_5240MHz_RU_Full_Chain 0	14.72	30	Pass
ax20_5240MHz_RU_Full_Chain 1	12.88	30	Pass

Mode	Average Output Power (dBm)	Limit (dBm)	Result
ax20_5240MHz_RU_Full_Chain 0+Chain 1	17.89	30	Pass
ax40_5190MHz_RU_Full_Chain 0	13.27	30	Pass
ax40_5190MHz_RU_Full_Chain 1	13.71	30	Pass
ax40_5190MHz_RU_Full_Chain 0+Chain 1	16.60	30	Pass
ax40_5230MHz_RU_Full_Chain 0	13.24	30	Pass
ax40_5230MHz_RU_Full_Chain 1	13.78	30	Pass
ax40_5230MHz_RU_Full_Chain 0+Chain 1	16.62	30	Pass
ax80_5210MHz_RU_Full_Chain 0	11.86	30	Pass
ax80_5210MHz_RU_Full_Chain 1	12.58	30	Pass
ax80_5210MHz_RU_Full_Chain 0+Chain 1	15.25	30	Pass

Note: The device employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power measurements on IEEE 802.11 devices:
Array Gain = 0 dB (i.e., no array gain) for NANT ≤ 4,
so directional gain = antenna gain + array gain = 4.2+0 = 4.2 dBi.

5.8G

Mode	Average Output Power (dBm)	Limit (dBm)	Result
a_5745MHz_Chain 0	18.03	30	Pass
a_5745MHz_Chain 1	18.16	30	Pass
a_5785MHz_Chain 0	17.84	30	Pass
a_5785MHz_Chain 1	18.15	30	Pass
a_5825MHz_Chain 0	17.62	30	Pass
a_5825MHz_Chain 1	18.01	30	Pass
n20_5745MHz_Chain 0	17.54	30	Pass
n20_5745MHz_Chain 1	17.76	30	Pass
n20_5745MHz_Chain 0+Chain 1	20.66	30	Pass
n20_5785MHz_Chain 0	17.31	30	Pass
n20_5785MHz_Chain 1	17.69	30	Pass
n20_5785MHz_Chain 0+Chain 1	20.51	30	Pass
n20_5825MHz_Chain 0	17.16	30	Pass
n20_5825MHz_Chain 1	17.67	30	Pass
n20_5825MHz_Chain 0+Chain 1	20.43	30	Pass
n40_5755MHz_Chain 0	17.47	30	Pass
n40_5755MHz_Chain 1	17.71	30	Pass

Mode	Average Output Power (dBm)	Limit (dBm)	Result
n40_5755MHz_Chain 0+Chain 1	20.60	30	Pass
n40_5795MHz_Chain 0	17.33	30	Pass
n40_5795MHz_Chain 1	17.57	30	Pass
n40_5795MHz_Chain 0+Chain 1	20.46	30	Pass
ac80_5775MHz_Chain 0	13.86	30	Pass
ac80_5775MHz_Chain 1	14.17	30	Pass
ac80_5775MHz_Chain 0+Chain 1	17.03	30	Pass
ax20_5745MHz_RU_Full_Chain 0	15.01	30	Pass
ax20_5745MHz_RU_Full_Chain 1	14.76	30	Pass
ax20_5745MHz_RU_Full_Chain 0+Chain 1	18.26	30	Pass
ax20_5785MHz_RU_Full_Chain 0	14.78	30	Pass
ax20_5785MHz_RU_Full_Chain 1	15.37	30	Pass
ax20_5785MHz_RU_Full_Chain 0+Chain 1	18.16	30	Pass
ax20_5825MHz_RU_Full_Chain 0	14.58	30	Pass
ax20_5825MHz_RU_Full_Chain 1	15.08	30	Pass
ax20_5825MHz_RU_Full_Chain 0+Chain 1	17.90	30	Pass
ax40_5755MHz_RU_Full_Chain 0	14.71	30	Pass
ax40_5755MHz_RU_Full_Chain 1	14.85	30	Pass
ax40_5755MHz_RU_Full_Chain 0+Chain 1	17.88	30	Pass
ax40_5795MHz_RU_Full_Chain 0	14.3	30	Pass
ax40_5795MHz_RU_Full_Chain 1	14.77	30	Pass
ax40_5795MHz_RU_Full_Chain 0+Chain 1	17.63	30	Pass
ax80_5775MHz_RU_Full_Chain 0	14.17	30	Pass
ax80_5775MHz_RU_Full_Chain 1	14.63	30	Pass
ax80_5775MHz_RU_Full_Chain 0+Chain 1	17.44	30	Pass

Note: The device employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power measurements on IEEE 802.11 devices:
Array Gain = 0 dB (i.e., no array gain) for NANT ≤ 4,
so directional gain = antenna gain + array gain = 4.0+0 = 4.0 dBi.

4.6 Power Spectral Density

Test Information:

Serial No.:	2MYF-8	**Test Date:**	2024/7/28
Test Site:	RF	**Test Mode:**	Transmitting
Tester:	Tao Zhu	**Test Result:**	Pass

Environmental Conditions:

Temperature: (°C):	24.4	**Relative Humidity: (%)**	65	**ATM Pressure: (kPa)**	100.4

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101591	2024/04/01	2025/03/31
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A
HuiXunDa	DC Block	SMA-JK 18G	DCB181108042	Each time	N/A
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060301	Each time	N/A

** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

5.2G

Mode	Value (dBm/MHz)	Duty Cycle Factor (dB)	PSD (dBm/MHz)	Limit (dBm/MHz)	Result
a_5180MHz_Chain 0	6.22	0.18	6.40	17	Pass
a_5180MHz_Chain 1	7.31	0.18	7.49	17	Pass
a_5200MHz_Chain 0	6.33	0.18	6.51	17	Pass
a_5200MHz_Chain 1	7.34	0.18	7.52	17	Pass
a_5240MHz_Chain 0	6.27	0.18	6.45	17	Pass
a_5240MHz_Chain 1	7.48	0.18	7.66	17	Pass
n20_5180MHz_Chain 0	6.32	/	/	17	Pass
n20_5180MHz_Chain 1	6.58	/	/	17	Pass
n20_5180MHz_Chain 0+Chain 1	9.46	0.36	9.82	15.8	Pass
n20_5200MHz_Chain 0	6.40	/	/	17	Pass
n20_5200MHz_Chain 1	6.64	/	/	17	Pass
n20_5200MHz_Chain 0+Chain 1	9.53	0.36	9.89	15.8	Pass
n20_5240MHz_Chain 0	6.51	/	/	17	Pass
n20_5240MHz_Chain 1	6.62	/	/	17	Pass
n20_5240MHz_Chain 0+Chain 1	9.58	0.36	9.94	15.8	Pass
n40_5190MHz_Chain 0	1.70	/	/	17	Pass
n40_5190MHz_Chain 1	2.31	/	/	17	Pass
n40_5190MHz_Chain 0+Chain 1	5.03	0.67	5.70	15.8	Pass
n40_5230MHz_Chain 0	1.79	/	/	17	Pass
n40_5230MHz_Chain 1	2.11	/	/	17	Pass
n40_5230MHz_Chain 0+Chain 1	4.96	0.67	5.63	15.8	Pass
ac80_5210MHz_Chain 0	-7.29	/	/	17	Pass
ac80_5210MHz_Chain 1	-7.51	/	/	17	Pass
ac80_5210MHz_Chain 0+Chain 1	-4.39	3.05	-1.34	15.8	Pass
ax20_5180MHz_RU_Full_Chain 0	1.49	/	/	17	Pass
ax20_5180MHz_RU_Full_Chain 1	1.95	/	/	17	Pass
ax20_5180MHz_RU_Full_Chain 0+Chain 1	4.74	2.01	6.75	15.8	Pass
ax20_5200MHz_RU_Full_Chain 0	1.52	/	/	17	Pass
ax20_5200MHz_RU_Full_Chain 1	1.96	/	/	17	Pass
ax20_5200MHz_RU_Full_Chain 0+Chain 1	4.76	2.01	6.77	15.8	Pass
ax20_5240MHz_RU_Full_Chain 0	1.63	/	/	17	Pass

Mode	Value (dBm/MHz)	Duty Cycle Factor (dB)	PSD (dBm/MHz)	Limit (dBm/MHz)	Result
ax20_5240MHz_RU_Full_Chain 1	2.13	/	/	17	Pass
ax20_5240MHz_RU_Full_Chain 0+Chain 1	4.90	2.01	6.91	15.8	Pass
ax40_5190MHz_RU_Full_Chain 0	-3.24	/	/	17	Pass
ax40_5190MHz_RU_Full_Chain 1	-2.47	/	/	17	Pass
ax40_5190MHz_RU_Full_Chain 0+Chain 1	0.17	2.39	2.56	15.8	Pass
ax40_5230MHz_RU_Full_Chain 0	-2.94	/	/	17	Pass
ax40_5230MHz_RU_Full_Chain 1	-2.05	/	/	17	Pass
ax40_5230MHz_RU_Full_Chain 0+Chain 1	0.54	2.39	2.93	15.8	Pass
ax80_5210MHz_RU_Full_Chain 0	-7.83	/	/	17	Pass
ax80_5210MHz_RU_Full_Chain 1	-7.02	/	/	17	Pass
ax80_5210MHz_RU_Full_Chain 0+Chain 1	-4.40	2.65	-1.75	15.8	Pass

Note:
The device employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power spectral density (PSD) measurements on the devices:
Array Gain = 10 log(N_{ANT}/N_{SS}) dB,
So directional gain = antenna gain + array gain = 4.2+10*log(2/1) = 7.2 dBi.
Limit is 17-(7.2-6)=15.8 dBm/MHz

5.8G

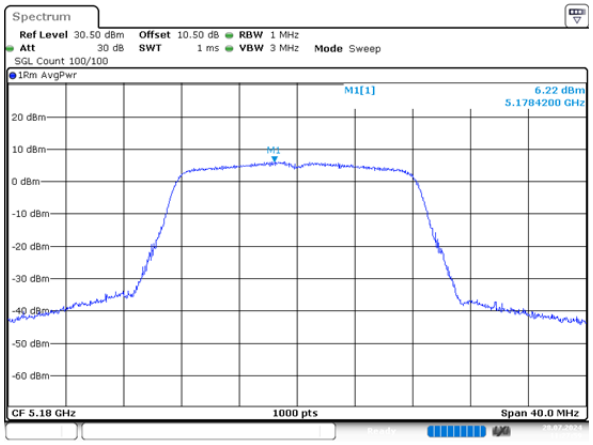
Mode	Value (dBm/500kHz)	Duty Cycle Factor (dB)	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Result
a_5745MHz_Chain 0	4.58	0.18	4.76	30	Pass
a_5745MHz_Chain 1	4.81	0.18	4.99	30	Pass
a_5785MHz_Chain 0	4.70	0.18	4.88	30	Pass
a_5785MHz_Chain 1	4.76	0.18	4.94	30	Pass
a_5825MHz_Chain 0	4.31	0.18	4.49	30	Pass
a_5825MHz_Chain 1	4.52	0.18	4.70	30	Pass
n20_5745MHz_Chain 0	3.52	/	/	30	Pass
n20_5745MHz_Chain 1	4.10	/	/	30	Pass
n20_5745MHz_Chain 0+Chain 1	6.83	0.36	7.19	29	Pass
n20_5785MHz_Chain 0	3.78	/	/	30	Pass
n20_5785MHz_Chain 1	3.95	/	/	30	Pass
n20_5785MHz_Chain 0+Chain 1	6.88	0.36	7.24	29	Pass
n20_5825MHz_Chain 0	3.52	/	/	30	Pass
n20_5825MHz_Chain 1	3.83	/	/	30	Pass
n20_5825MHz_Chain 0+Chain 1	6.69	0.36	7.05	29	Pass
n40_5755MHz_Chain 0	1.11	/	/	30	Pass
n40_5755MHz_Chain 1	1.39	/	/	30	Pass
n40_5755MHz_Chain 0+Chain 1	4.26	0.67	4.93	29	Pass
n40_5795MHz_Chain 0	0.85	/	/	30	Pass
n40_5795MHz_Chain 1	1.59	/	/	30	Pass
n40_5795MHz_Chain 0+Chain 1	4.25	0.67	4.92	29	Pass
ac80_5775MHz_Chain 0	-7.63	/	/	30	Pass
ac80_5775MHz_Chain 1	-7.29	/	/	30	Pass
ac80_5775MHz_Chain 0+Chain 1	-4.45	3.05	-1.40	29	Pass
ax20_5745MHz_RU_Full_Chain 0	-0.44	/	/	30	Pass
ax20_5745MHz_RU_Full_Chain 1	-0.12	/	/	30	Pass
ax20_5745MHz_RU_Full_Chain 0+Chain 1	2.73	2.01	4.74	29	Pass
ax20_5785MHz_RU_Full_Chain 0	-0.51	/	/	30	Pass
ax20_5785MHz_RU_Full_Chain 1	-0.01	/	/	30	Pass
ax20_5785MHz_RU_Full_Chain 0+Chain 1	2.76	2.01	4.77	29	Pass
ax20_5825MHz_RU_Full_Chain 0	-0.95	/	/	30	Pass

Mode	Value (dBm/500kHz)	Duty Cycle Factor (dB)	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Result
ax20_5825MHz_RU_Full_Chain 1	-0.37	/	/	30	Pass
ax20_5825MHz_RU_Full_Chain 0+Chain 1	2.36	2.01	4.37	29	Pass
ax40_5755MHz_RU_Full_Chain 0	-3.46	/	/	30	Pass
ax40_5755MHz_RU_Full_Chain 1	-3.00	/	/	30	Pass
ax40_5755MHz_RU_Full_Chain 0+Chain 1	-0.21	2.39	2.18	29	Pass
ax40_5795MHz_RU_Full_Chain 0	-3.74	/	/	30	Pass
ax40_5795MHz_RU_Full_Chain 1	-3.91	/	/	30	Pass
ax40_5795MHz_RU_Full_Chain 0+Chain 1	-0.81	2.39	1.58	29	Pass
ax80_5775MHz_RU_Full_Chain 0	-8.12	/	/	30	Pass
ax80_5775MHz_RU_Full_Chain 1	-7.18	/	/	30	Pass
ax80_5775MHz_RU_Full_Chain 0+Chain 1	-4.61	2.65	-1.96	29	Pass

Note:
The device employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power spectral density (PSD) measurements on the devices:
Array Gain = 10 log(N_{ANT}/N_{SS}) dB,
So directional gain = antenna gain + array gain = 4.0+10*log(2/1) = 7.0 dBi.
Limit is 30-(7-6)=29 dBm/500kHz

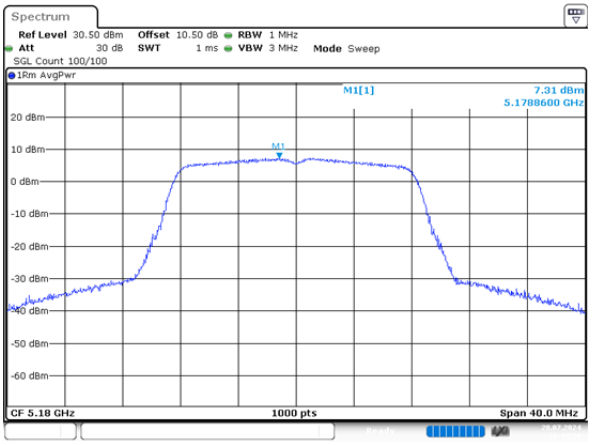
5.2G

a_5180MHz_Chain 0 6.22dBm/MHz



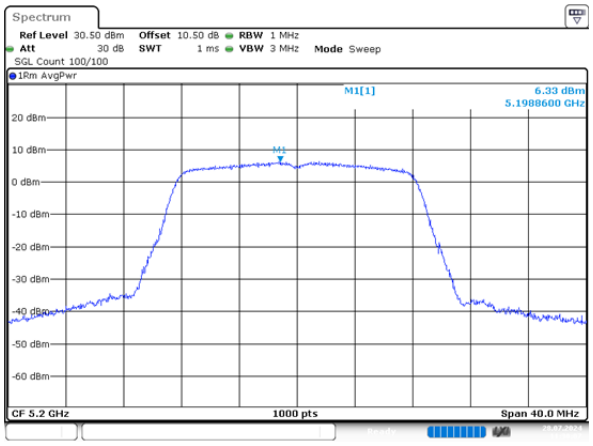
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 11:27:59

a_5180MHz_Chain 1 7.31dBm/MHz



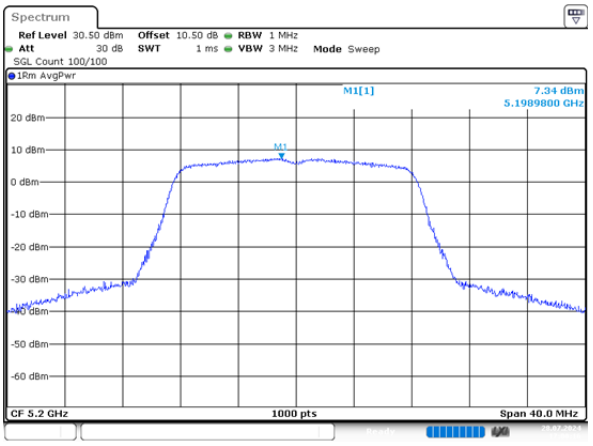
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 16:44:50

a_5200MHz_Chain 0 6.33dBm/MHz



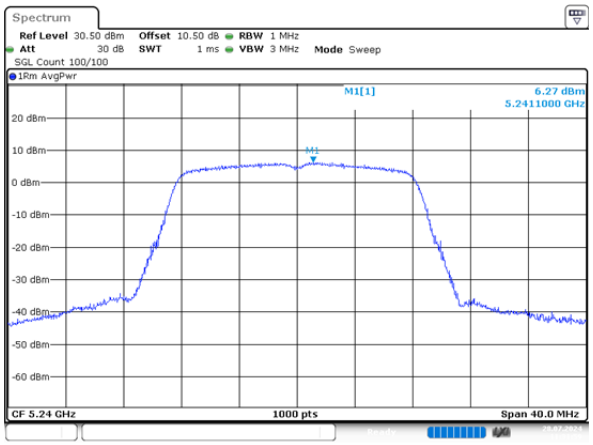
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 11:30:07

a_5200MHz_Chain 1 7.34dBm/MHz



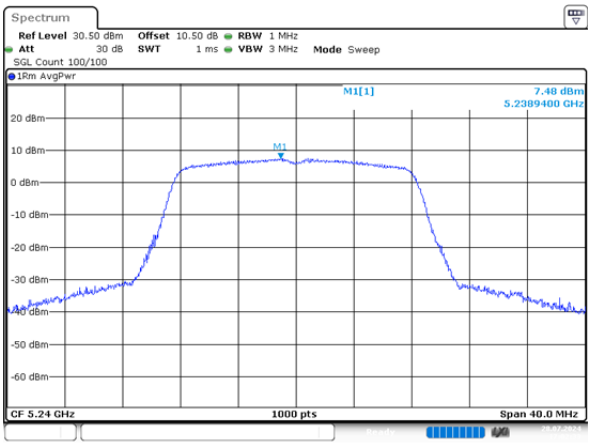
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 17:00:16

a_5240MHz_Chain 0 6.27dBm/MHz



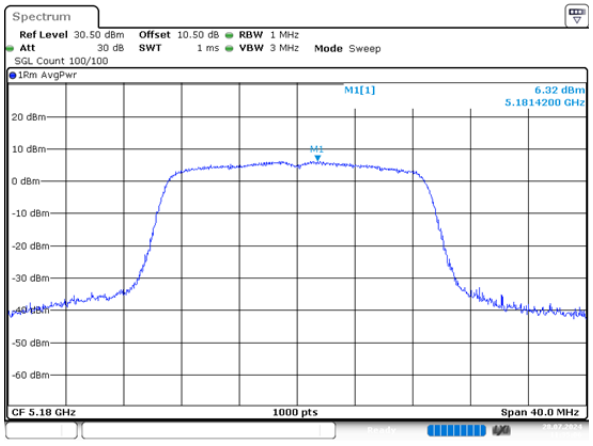
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 11:32:00

a_5240MHz_Chain 1 7.48dBm/MHz



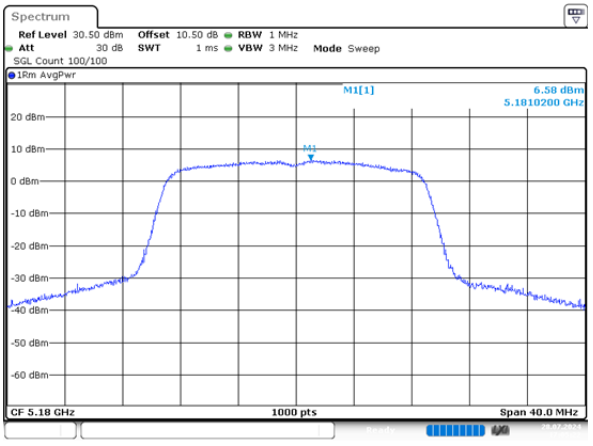
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 17:02:33

n20_5180MHz_Chain 0 6.32dBm/MHz



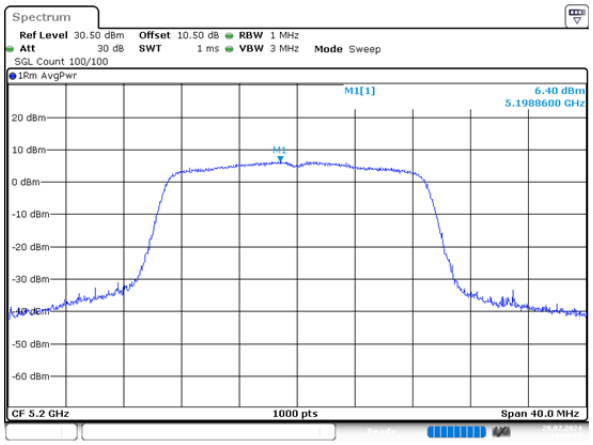
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 11:35:06

n20_5180MHz_Chain 1 6.58dBm/MHz



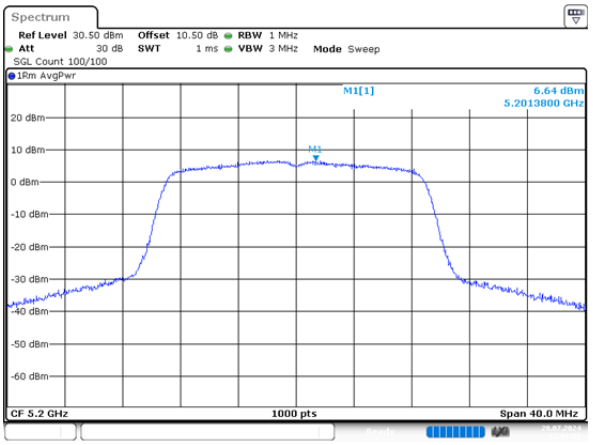
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 17:05:22

n20_5200MHz_Chain 0 6.40dBm/MHz



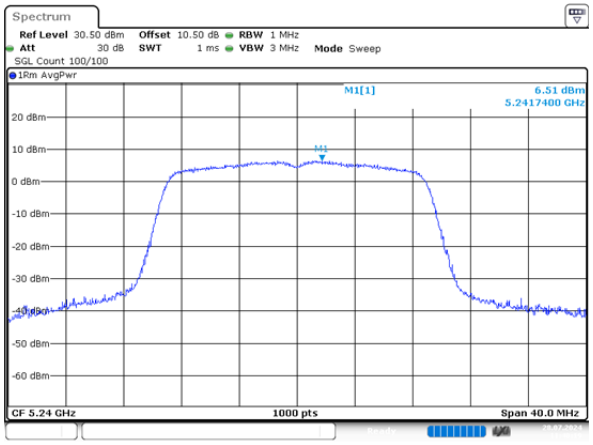
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 11:38:15

n20_5200MHz_Chain 1 6.64dBm/MHz



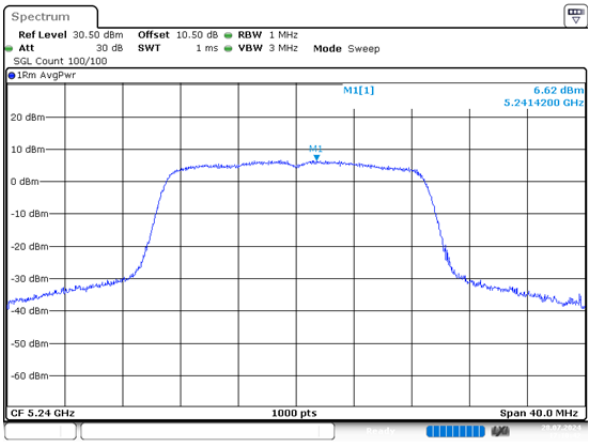
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 17:08:22

n20_5240MHz_Chain 0 6.51dBm/MHz



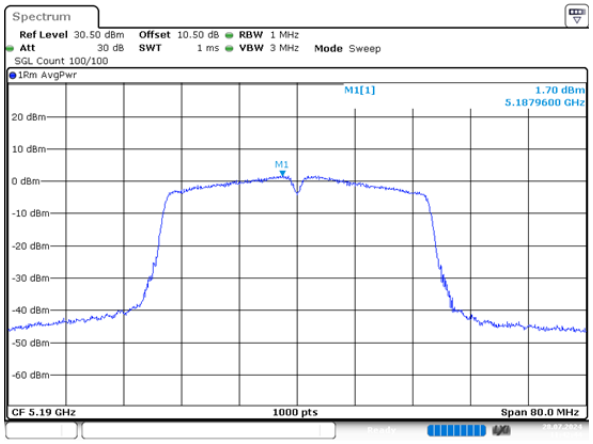
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 11:40:19

n20_5240MHz_Chain 1 6.62dBm/MHz



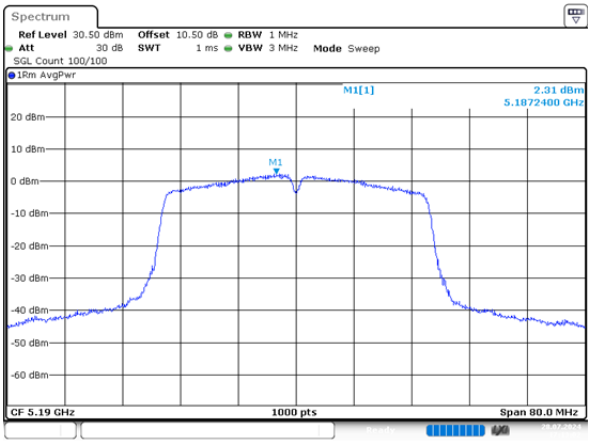
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 17:10:42

n40_5190MHz_Chain 0 1.70dBm/MHz



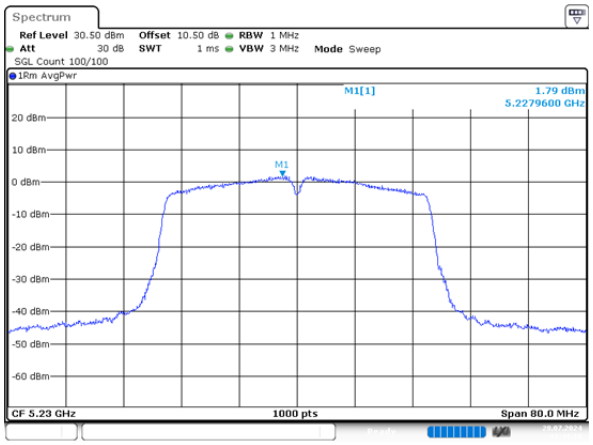
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 11:42:45

n40_5190MHz_Chain 1 2.31dBm/MHz



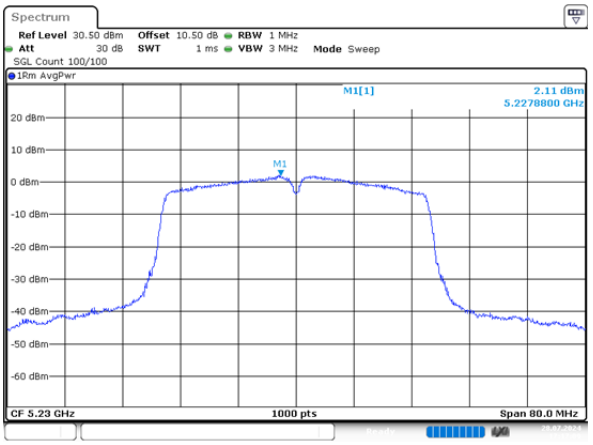
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 17:13:03

n40_5230MHz_Chain 0 1.79dBm/MHz



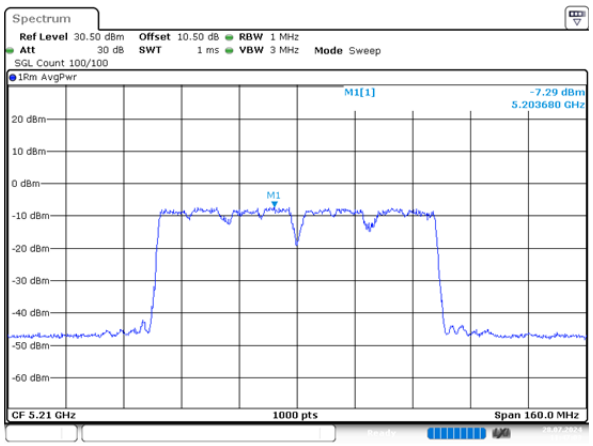
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 11:44:19

n40_5230MHz_Chain 1 2.11dBm/MHz



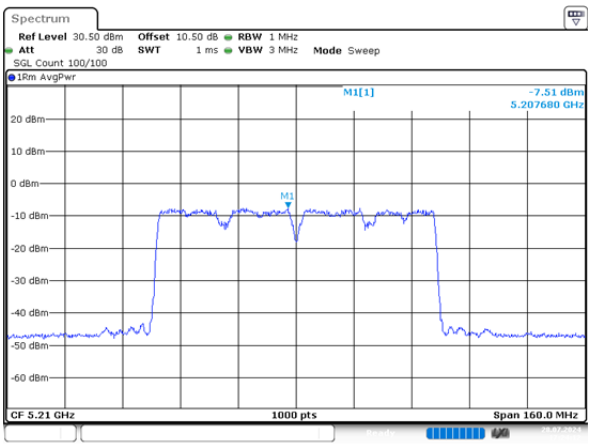
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 17:17:10

ac80_5210MHz_Chain 0 -7.29dBm/MHz



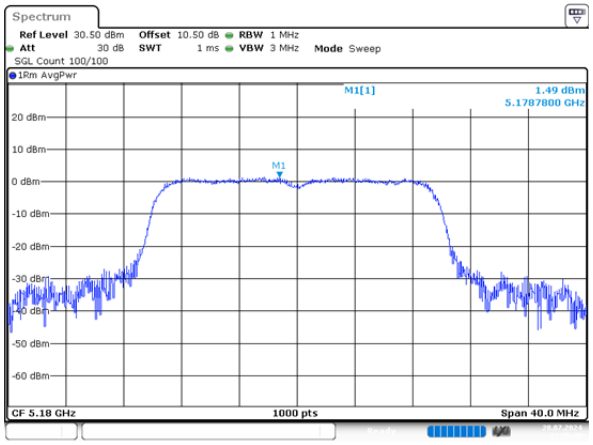
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 11:47:04

ac80_5210MHz_Chain 1 -7.51dBm/MHz



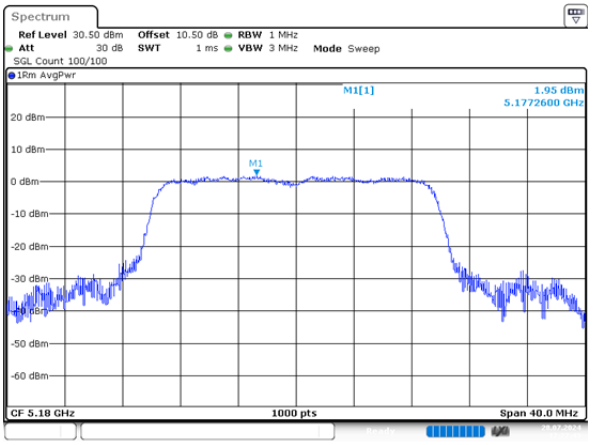
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 17:24:13

ax20_5180MHz_RU_Full_Chain 0
1.49dBm/MHz



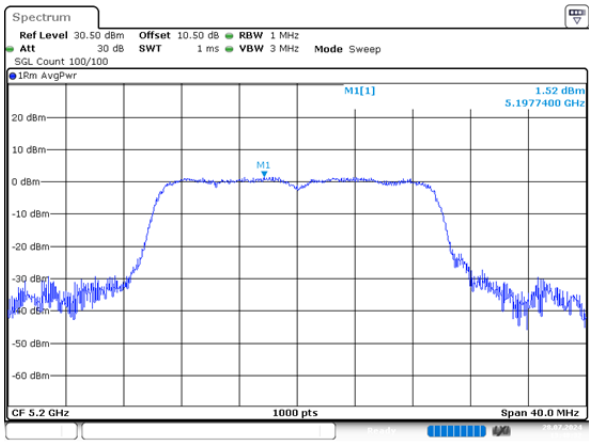
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 13:35:49

ax20_5180MHz_RU_Full_Chain 1
1.95dBm/MHz



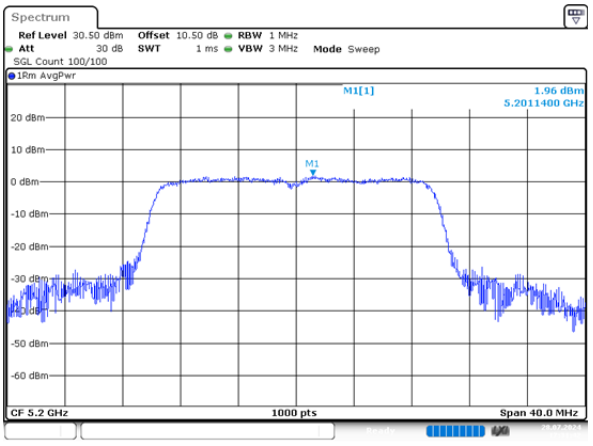
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 17:27:44

ax20_5200MHz_RU_Full_Chain 0
1.52dBm/MHz



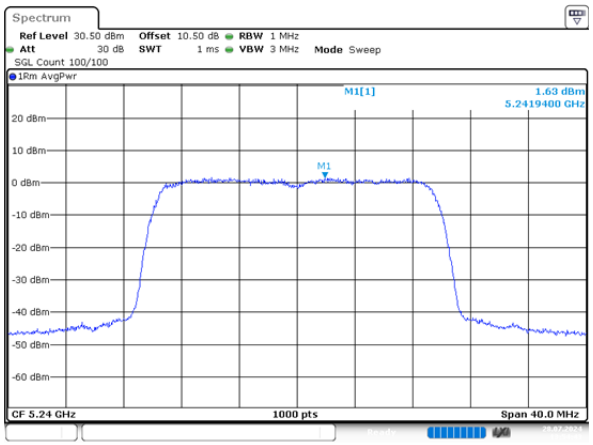
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 13:48:32

ax20_5200MHz_RU_Full_Chain 1
1.96dBm/MHz



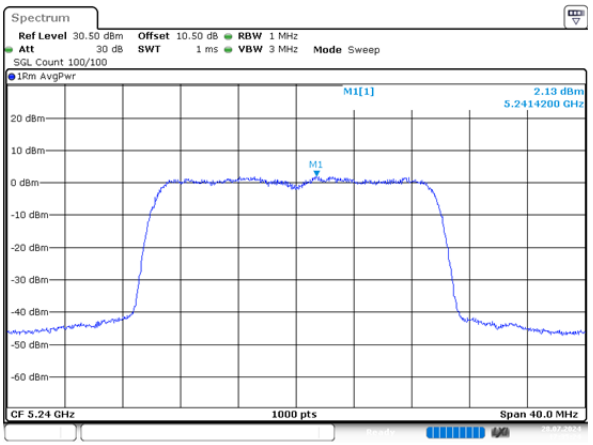
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 17:31:42

ax20_5240MHz_RU_Full_Chain 0
1.63dBm/MHz



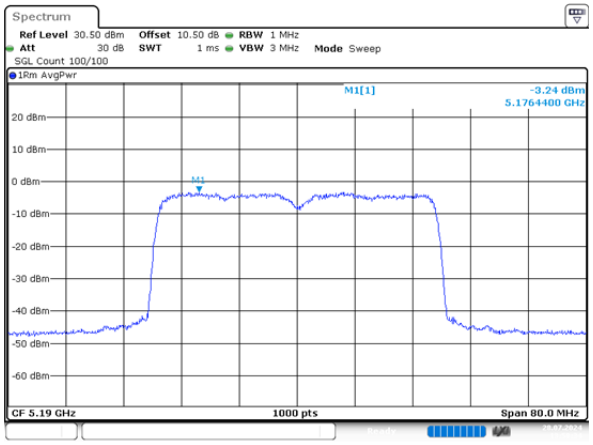
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 13:54:43

ax20_5240MHz_RU_Full_Chain 1
2.13dBm/MHz



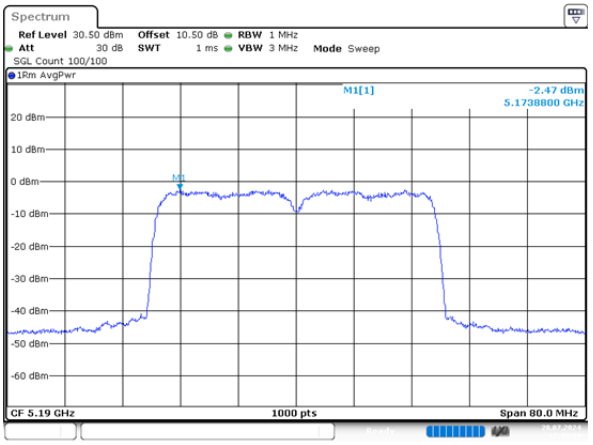
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 17:35:25

ax40_5190MHz_RU_Full_Chain 0 - 3.24dBm/MHz



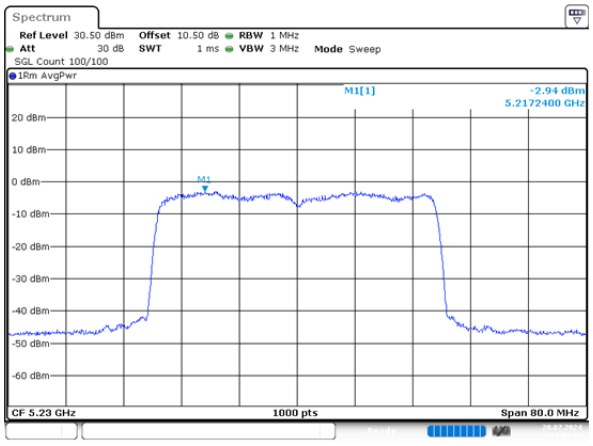
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 13:58:34

ax40_5190MHz_RU_Full_Chain 1 - 2.47dBm/MHz



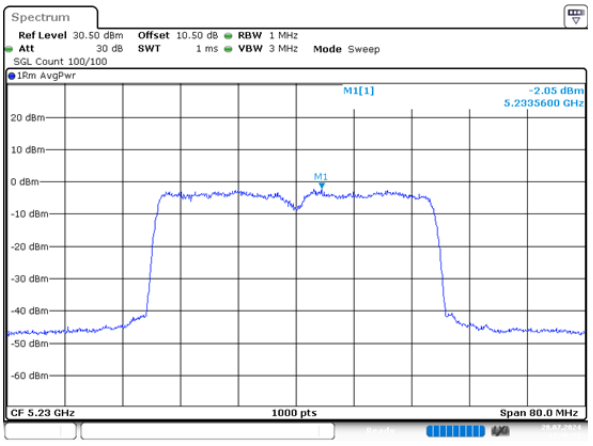
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 17:43:19

ax40_5230MHz_RU_Full_Chain 0 - 2.94dBm/MHz



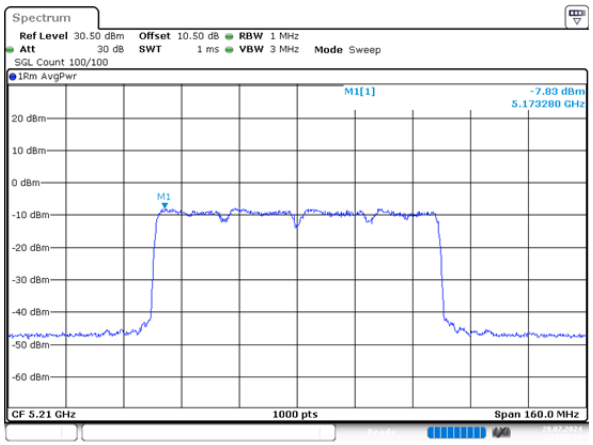
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 14:01:14

ax40_5230MHz_RU_Full_Chain 1 - 2.05dBm/MHz



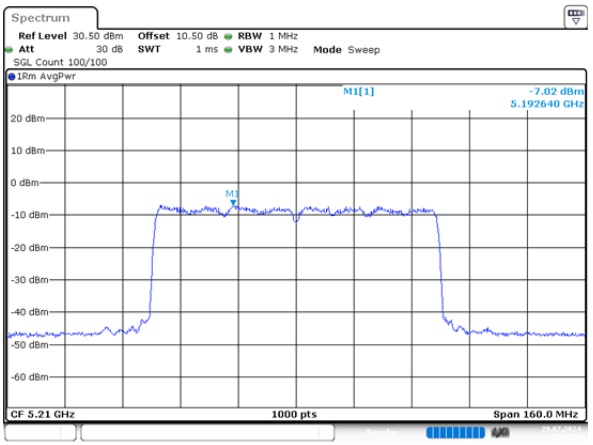
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 17:46:52

ax80_5210MHz_RU_Full_Chain 0 - 7.83dBm/MHz



ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 14:05:59

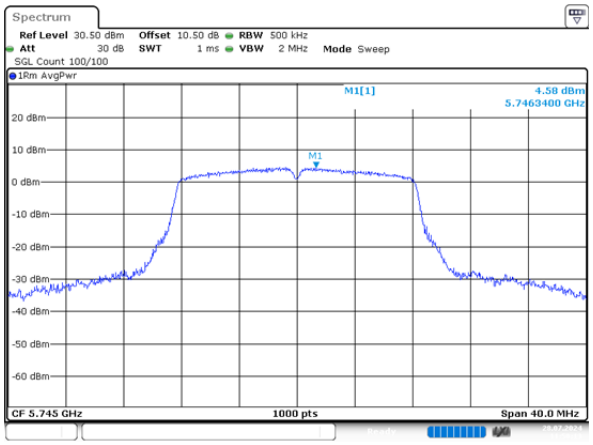
ax80_5210MHz_RU_Full_Chain 1 - 7.02dBm/MHz



ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 17:50:57

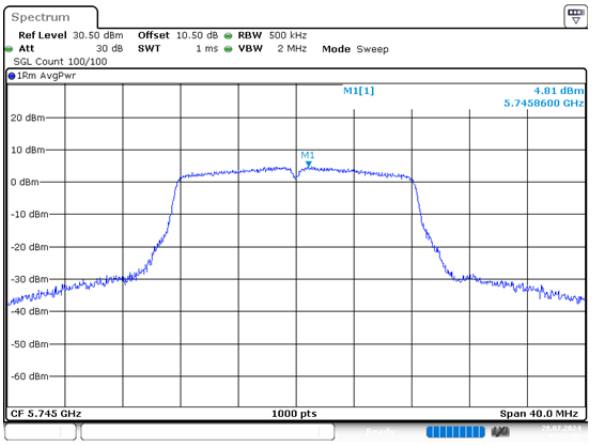
5.8G

a_5745MHz_Chain 0 4.58dBm/MHz



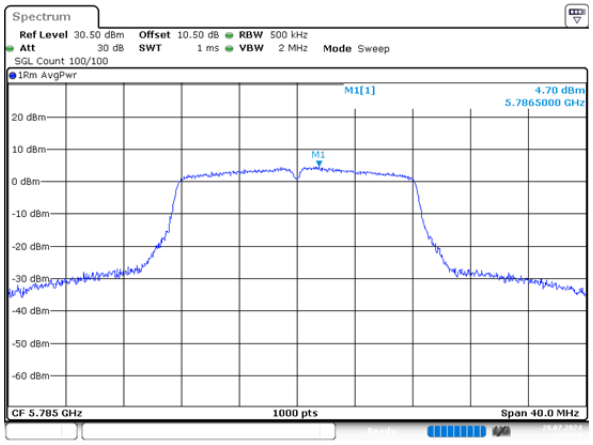
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 11:50:14

a_5745MHz_Chain 1 4.81dBm/MHz



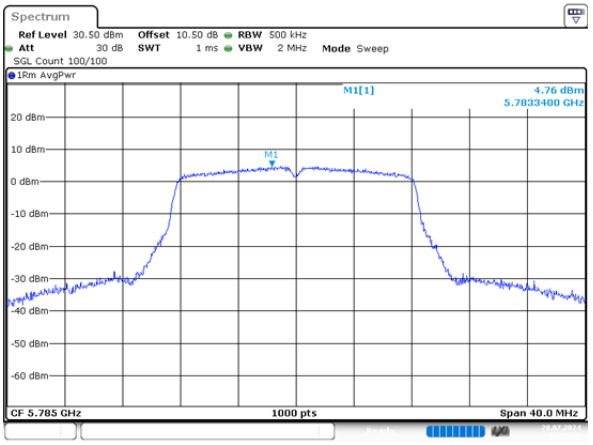
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 15:02:12

a_5785MHz_Chain 0 4.70dBm/MHz



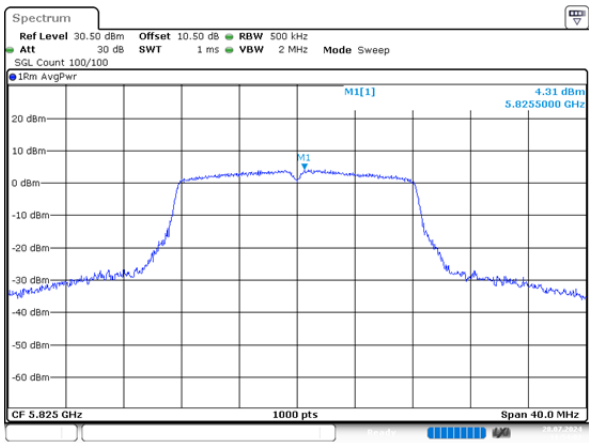
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 11:52:22

a_5785MHz_Chain 1 4.76dBm/MHz



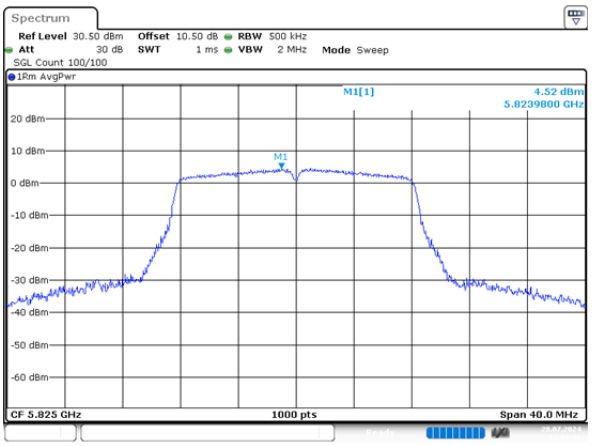
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 15:05:19

a_5825MHz_Chain 0 4.31dBm/MHz



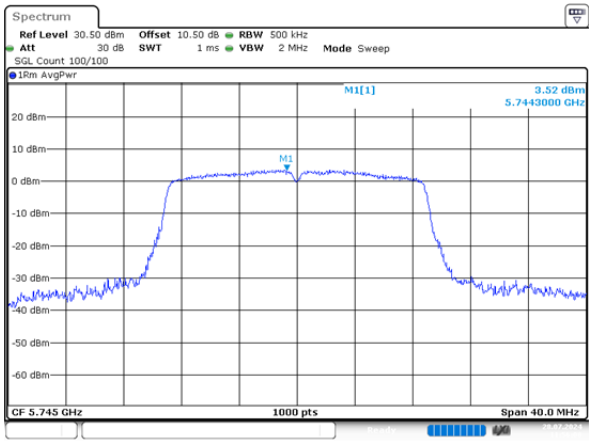
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 11:54:02

a_5825MHz_Chain 1 4.52dBm/MHz



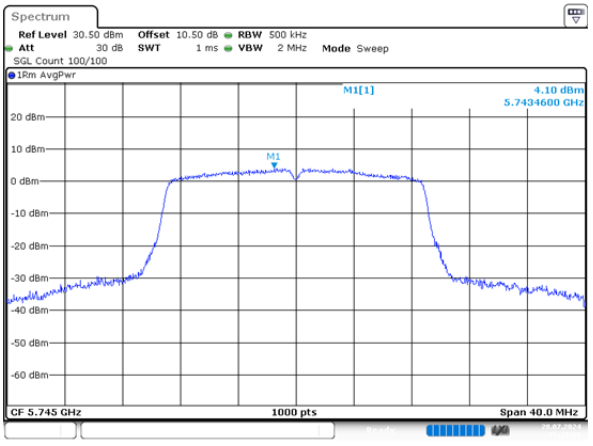
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 15:09:46

n20_5745MHz_Chain 0 3.52dBm/MHz



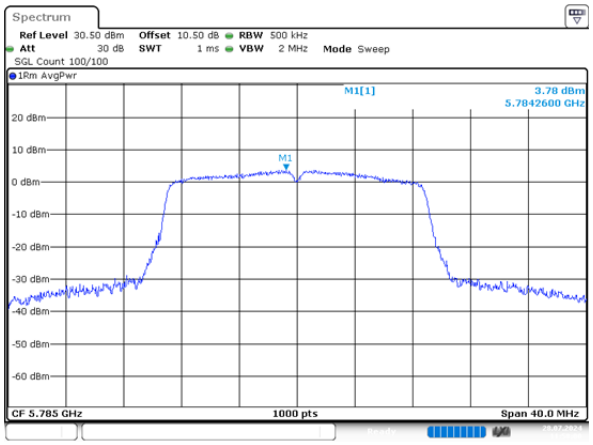
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 11:56:08

n20_5745MHz_Chain 1 4.10dBm/MHz



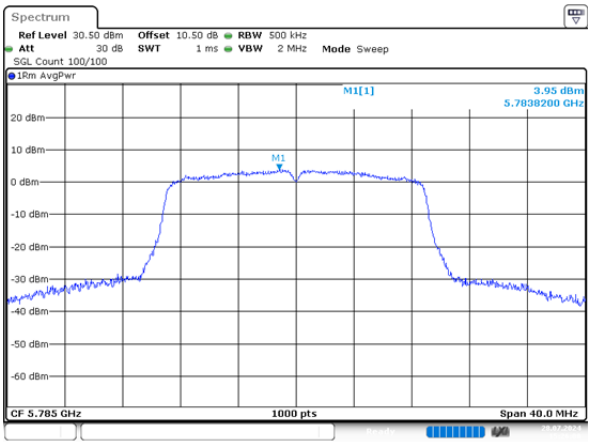
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 15:15:18

n20_5785MHz_Chain 0 3.78dBm/MHz



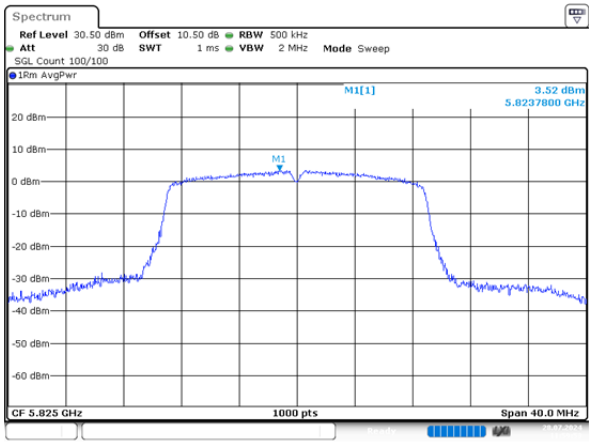
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 11:58:00

n20_5785MHz_Chain 1 3.95dBm/MHz



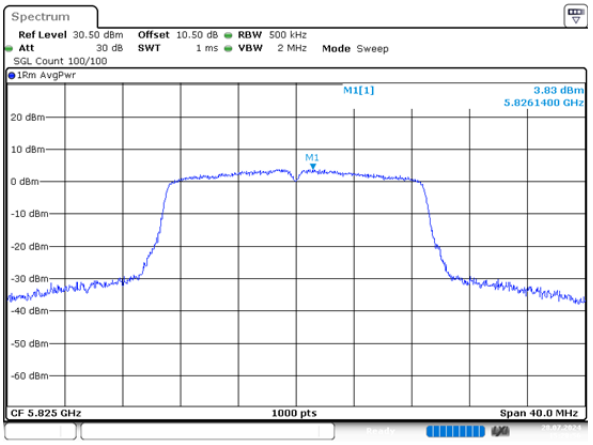
ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 15:26:09

n20_5825MHz_Chain 0 3.52dBm/MHz



ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 11:59:53

n20_5825MHz_Chain 1 3.83dBm/MHz



ProjectNo.:2403U80942E-RF Tester:Tao Zhu
Date: 28.JUL.2024 15:28:56