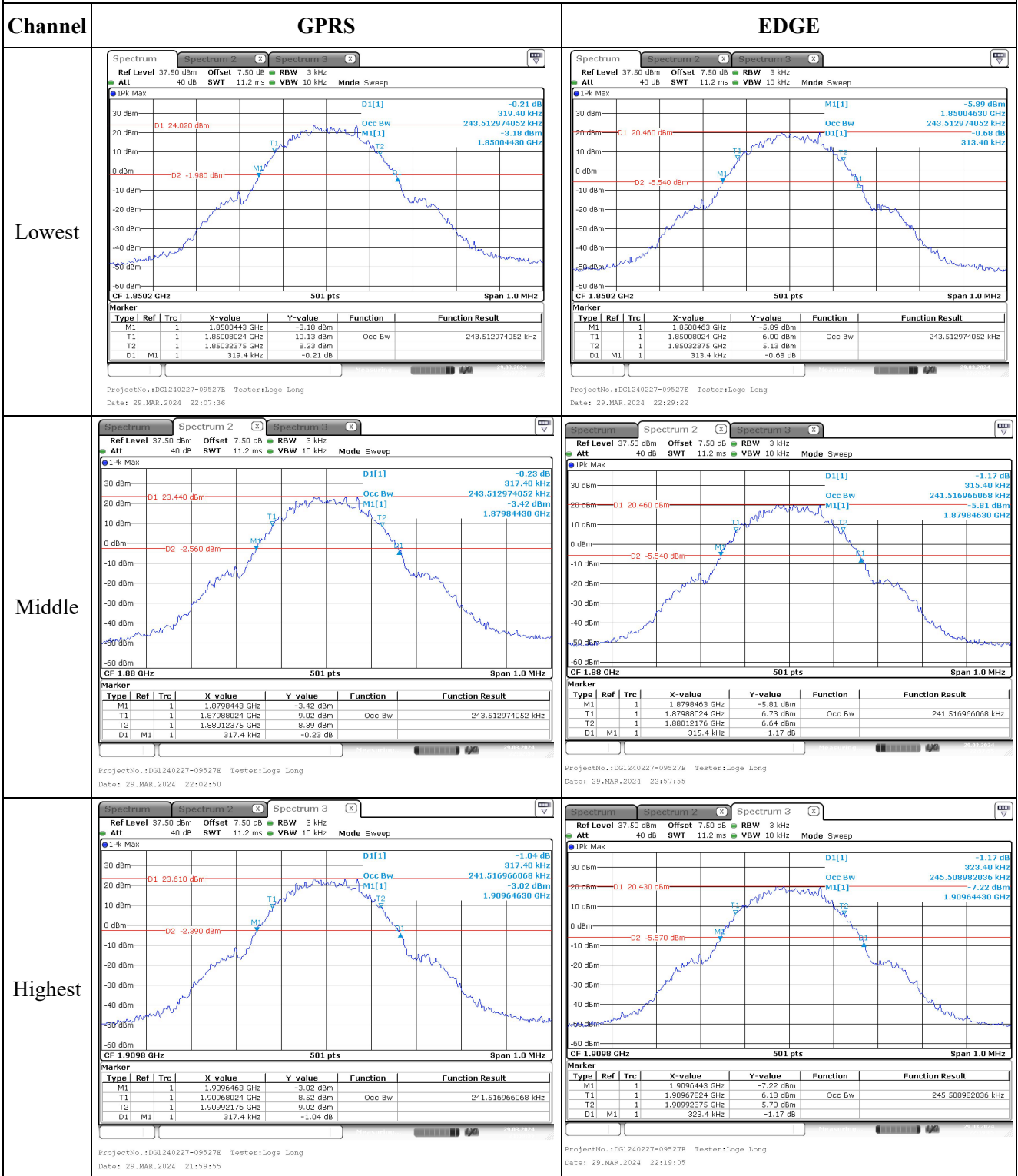


Test Plots:

Occupied Bandwidth

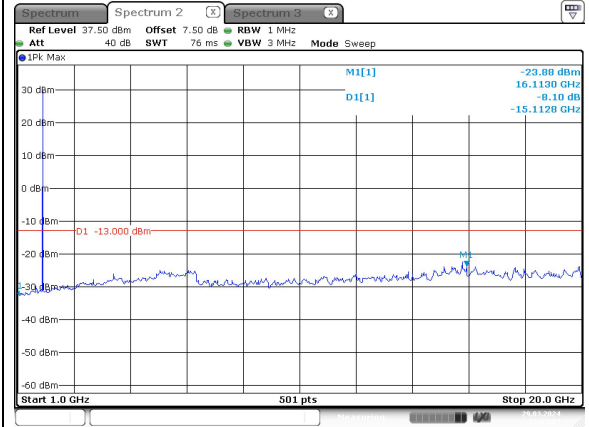
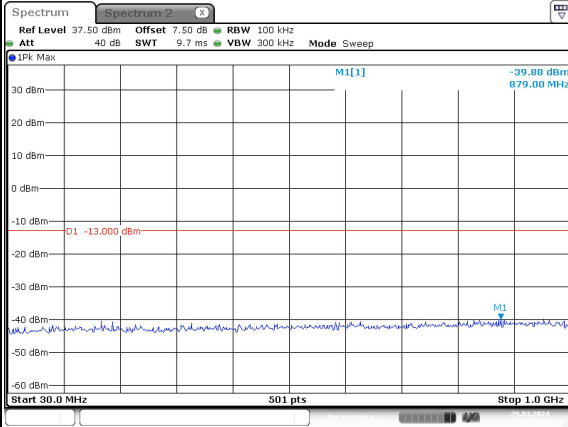


Spurious Emissions at Antenna Terminal

Channel

GPRS

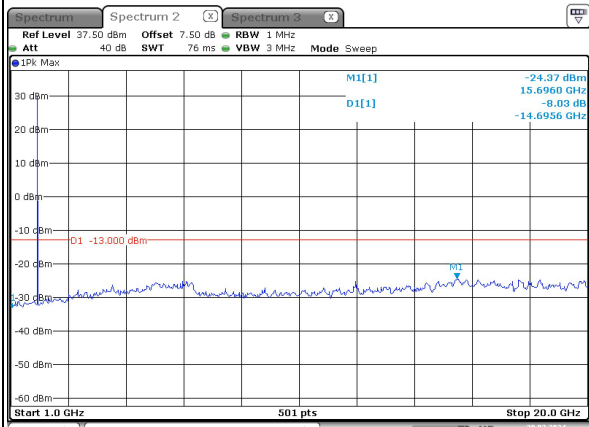
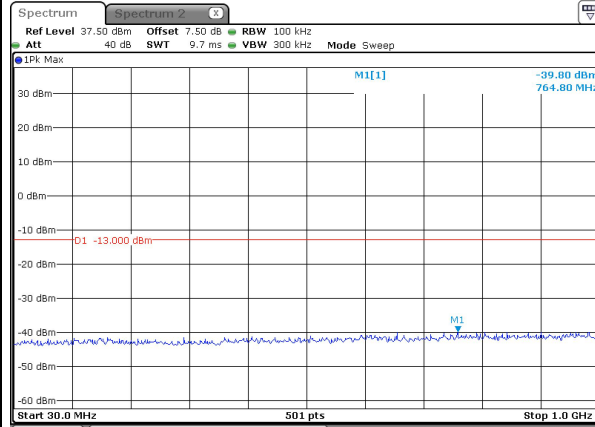
Lowest



ProjectNo.:DG1240227-09527E Tester:Loqe Long
Date: 29.MAR.2024 20:59:59

ProjectNo.:DG1240227-09527E Tester:Loqe Long
Date: 29.MAR.2024 21:55:04

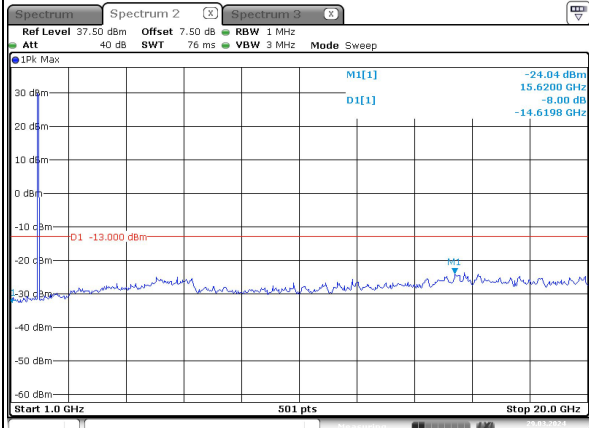
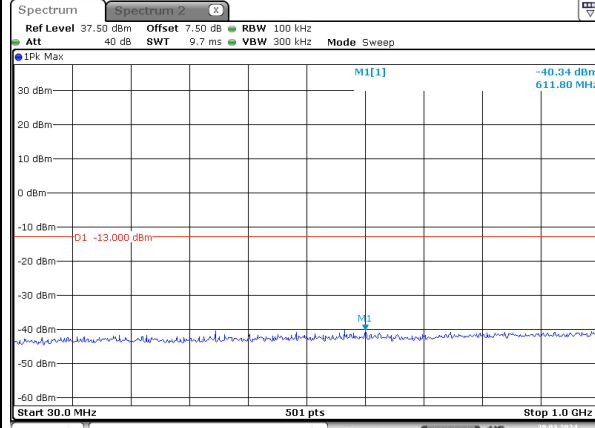
Middle



ProjectNo.:DG1240227-09527E Tester:Loqe Long
Date: 29.MAR.2024 21:02:19

ProjectNo.:DG1240227-09527E Tester:Loqe Long
Date: 29.MAR.2024 21:54:12

Highest



ProjectNo.:DG1240227-09527E Tester:Loqe Long
Date: 29.MAR.2024 21:02:40

ProjectNo.:DG1240227-09527E Tester:Loqe Long
Date: 29.MAR.2024 21:55:39

Out of band emission, Band Edge

Channel	Lowest	Highest
GPRS	<p>ProjectNo.:DG1240227-09527E Tester:Loge Long Date: 29.MAR.2024 20:55:54</p>	<p>ProjectNo.:DG1240227-09527E Tester:Loge Long Date: 29.MAR.2024 20:54:15</p>
EDGE	<p>ProjectNo.:DG1240227-09527E Tester:Loge Long Date: 29.MAR.2024 22:12:51</p>	<p>ProjectNo.:DG1240227-09527E Tester:Loge Long Date: 29.MAR.2024 22:15:10</p>

5.3 Antenna Port Test Data and Results for WCDMA Band 2:

Serial Number:	2I25-7	Test Date:	2024/3/29
Test Site:	RF	Test Mode:	Transmitting
Tester:	Loge Long	Test Result:	Pass

Environmental Conditions:					
Temperature: (°C)	25.1	Relative Humidity: (%)	64	ATM Pressure: (kPa)	100.8

Test Equipment List and Details:					
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Minl-Circuits	Coaxial Power Splitters & Combiner	ZFRSC-183-S+	SF448201614	2024/2/25	2025/2/24
R&S	Wideband Radio Communication Tester	CMW500	149216	2023/10/18	2024/10/17
BACL	TEMP&HUMI Test Chamber	BTH-150-40	30173	2023/10/18	2024/10/17
All-sun	Clamp Meter	EM305A	8348897	2023/8/3	2024/8/2
TDK-Lambda	DC Power Supply	Z+60-14	F-08-EM038-1	N/A	N/A
yzjingcheng	Coaxial Cable	KTRFBU-141-50	41005011	2023/9/1	2024/8/31
Unknown	Coaxial Cable	C-SJ00-0010	C0010/01	2023/9/1	2024/8/31
R&S	Spectrum Analyzer	FSV40	101461	2023/11/27	2024/11/26

Test Frequency For Each Mode:			
Operation Modes	Lowest Frequency (MHz)	Middle Frequency (MHz)	Highest Frequency (MHz)
WCDMA	1852.4	1880	1907.6

Test Data:

**FCC§2.1046;§ 24.232
RF Output Power:**

Test Mode	Conducted Average Output Power(dBm)			Maximum EIRP (dBm)	EIRP Limit (dBm)
	Lowest Channel	Middle Channel	Highest Channel		
WCDMA R99	22.43	22.93	23.38	21.78	33
HSDPA Subtest 1	20.16	20.38	20.11	18.78	33
HSDPA Subtest 2	20.07	20.24	20.42	18.82	33
HSDPA Subtest 3	20.01	20.22	20.42	18.82	33
HSDPA Subtest 4	19.82	20.26	20.12	18.66	33
HSUPA Subtest 1	19.87	19.85	19.83	18.27	33
HSUPA Subtest 2	19.75	20.25	20.34	18.74	33
HSUPA Subtest 3	19.62	20.07	19.75	18.47	33
HSUPA Subtest 4	19.54	19.79	20.02	18.42	33
HSUPA Subtest 5	19.35	19.54	19.68	18.08	33
HSPA+ Subtest 1	20.1	20.27	20.16	18.67	33

Note: EIRP=Conducted Power(dBm) - Lc(dB) + G_T(dBi)

Result:	Pass
----------------	-------------

Peak-to-average Ratio(PAR)

Test Mode	Peak-to-average Ratio(dB)			Limit (dB)
	Lowest Channel	Middle Channel	Highest Channel	
WCDMA R99	2.99	3.51	3.1	13
HSDPA	4.7	4.75	5.01	13
HSUPA	5.65	5.88	4.72	13

Result:	Pass
----------------	-------------

FCC §2.1049, §24.238:Occupied Bandwidth

Operation Mode	99% Occupied Bandwidth (MHz)			26 dB Occupied Bandwidth (MHz)		
	Low Channel	Middle channel	High Channel	Low Channel	Middle Channel	High Channel
WCDMA R99	4.192	4.182	4.182	4.77	4.747	4.747
HSDPA	4.172	4.226	4.255	4.77	5.051	4.935
HSUPA	4.192	4.226	4.24	4.75	5.224	5.499

Note: The test plots please refer to the Plots of Occupied Bandwidth

FCC §2.1051, § 24.238 (a):Spurious Emissions at Antenna Terminal

Result:	Pass, Please refer to the test plots of Spurious Emissions at Antenna Terminal.
----------------	--

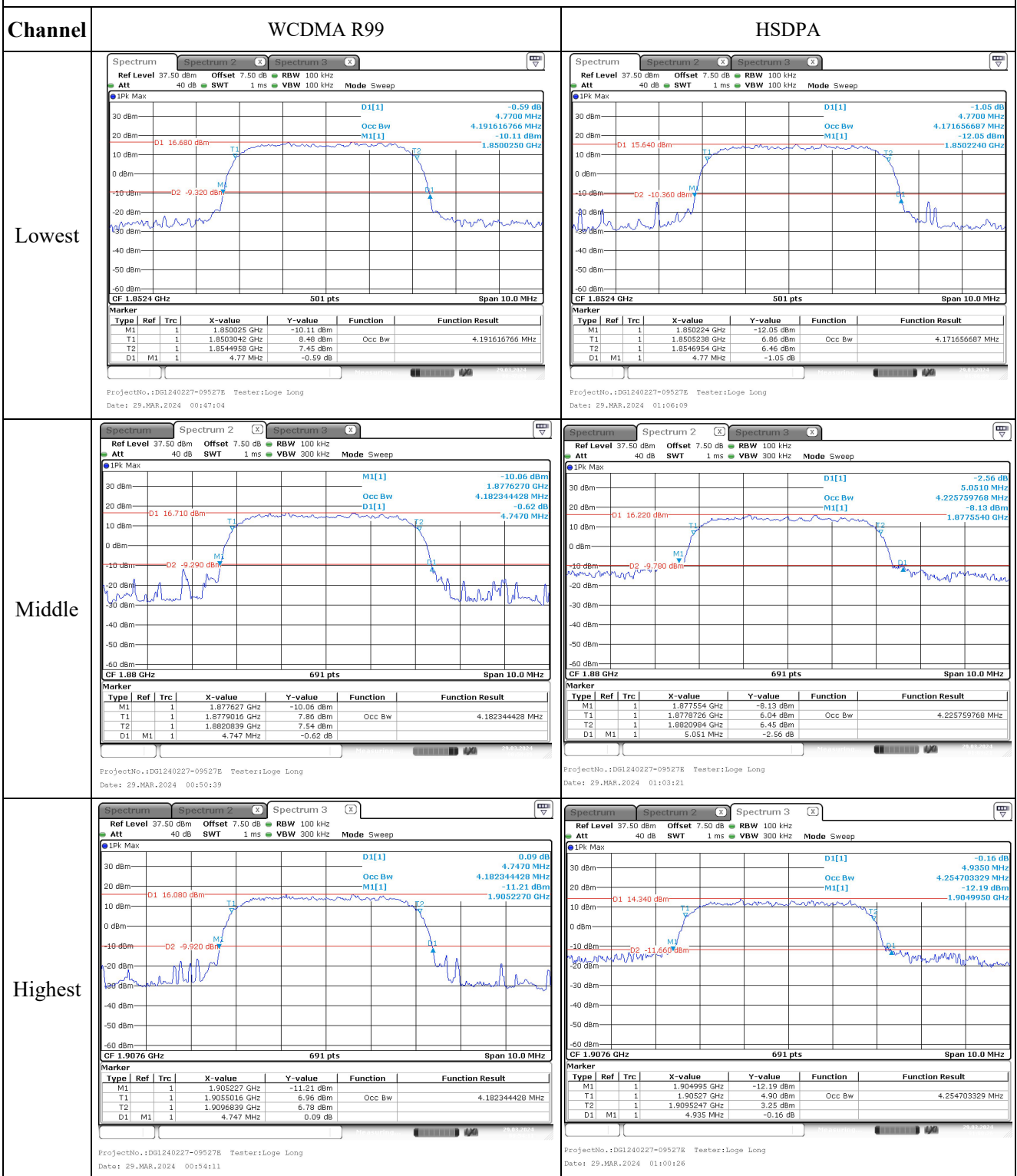
FCC §2.1051, § 24.238 (a):Out of band emission, Band Edge

Result:	Pass, Please refer to the test plots of Out of band emission, Band Edge.
----------------	---

FCC §2.1055, §24.235: Frequency Stability						
Test Mode:	WCDMA R99	Test Channel: Lowest for Lower Edge, Highest for Upper Edge				
Test Item	Temperature (°C)	Voltage (V _{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.8	1850.262	1850.000	1909.666	1910.000
	-20	3.8	1850.289	1850.000	1909.657	1910.000
	-10	3.8	1850.298	1850.000	1909.669	1910.000
	0	3.8	1850.301	1850.000	1909.675	1910.000
	10	3.8	1850.283	1850.000	1909.660	1910.000
	20	3.8	1850.304	1850.000	1909.684	1910.000
	30	3.8	1850.322	1850.000	1909.708	1910.000
	40	3.8	1850.310	1850.000	1909.705	1910.000
Frequency Stability vs. Voltage	20	3.5	1850.331	1850.000	1909.690	1910.000
	20	4.35	1850.328	1850.000	1909.699	1910.000
					Result:	Pass

Test Plots:

Occupied Bandwidth

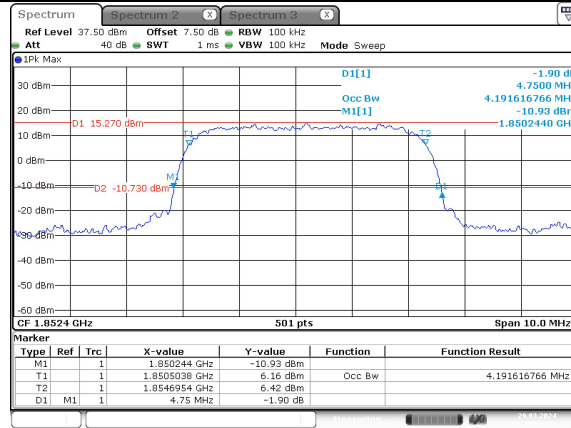


Occupied Bandwidth

Channel

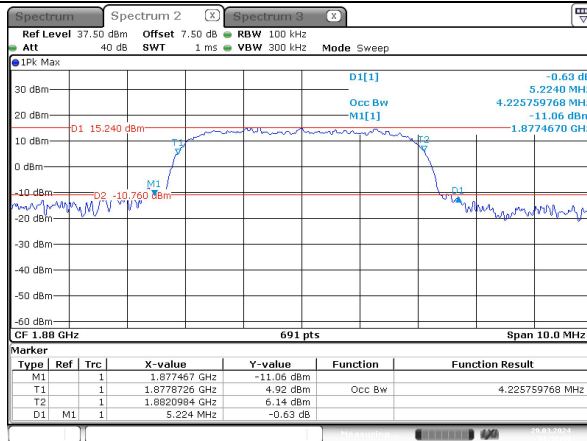
HSUPA

Lowest



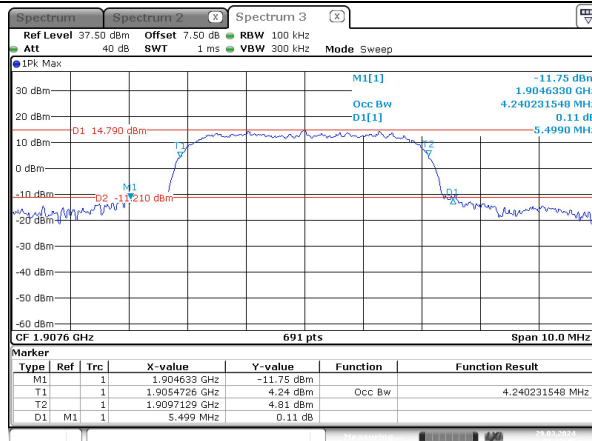
ProjectNo.:DG1240227-09527E Tester:Loge Long
Date: 29.MAR.2024 01:08:20

Middle



ProjectNo.:DG1240227-09527E Tester:Loge Long
Date: 29.MAR.2024 01:10:44

Highest



ProjectNo.:DG1240227-09527E Tester:Loge Long
Date: 29.MAR.2024 01:13:45