Appendix A

Test Information:

Serial No.:	34EN-2	**Test Date:**	2025/07/16
Test Site:	RF	**Test Mode:**	Transmitting
Tester:	Loge Long	**Test Result:**	Pass

Environmental Conditions:

Temperature: (°C)	27.6	**Relative Humidity: (%)**	72	**ATM Pressure: (kPa)**	99.9

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
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	149216	2024/09/05	2025/09/04
BACL	TEMP&HUMI Test Chamber	BTH-150-40	30173	2024/09/06	2025/09/05
Minl-Clrcuits	Coaxial Power Splitters & Combiner	ZFRSC-183-S+	SF448201614	2025/02/25	2026/02/24
Micro-Coax	Coaxial Cable	UFB205A	323308-015	2025/06/01	2026/05/31
Eastsheep	Coaxial Attenuator	5W-N-JK-6G-10dB	F-08-EM502	2025/06/07	2026/06/06
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 22H

GSM 850

Mode	Test Channel (MHz)	Frequency Error		Limit (ppm)	Verdict
		(Hz)	(ppm)		
GSM_Middle_TN/VN	836.6	2.7	0.0033	±2.5	Pass
GSM_Middle_T1/VN	836.6	2.5	0.0030	±2.5	Pass
GSM_Middle_T2/VN	836.6	3.2	0.0039	±2.5	Pass
GSM_Middle_T3/VN	836.6	1.8	0.0022	±2.5	Pass
GSM_Middle_T4/VN	836.6	3.0	0.0036	±2.5	Pass
GSM_Middle_T5/VN	836.6	5.4	0.0064	±2.5	Pass
GSM_Middle_T6/VN	836.6	3.9	0.0047	±2.5	Pass
GSM_Middle_T7/VN	836.6	4.2	0.0051	±2.5	Pass
GSM_Middle_T8/VN	836.6	6.9	0.0083	±2.5	Pass
GSM_Middle_TN/VH	836.6	5.1	0.0061	±2.5	Pass
GSM_Middle_TN/VL	836.6	3.5	0.0042	±2.5	Pass

Note:

Frequency Error (ppm)=Frequency Error (MHz)/Test Channel(MHz)*10^6

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.

FCC Part 24E

GSM 1900

Mode	Result (MHz)	Limit (MHz)	Verdict
GSM_Low_TN/VN	1850.082	1850	Pass
GSM_Low_T1/VN	1850.080	1850	Pass
GSM_Low_T2/VN	1850.079	1850	Pass
GSM_Low_T3/VN	1850.082	1850	Pass
GSM_Low_T4/VN	1850.082	1850	Pass
GSM_Low_T5/VN	1850.074	1850	Pass
GSM_Low_T6/VN	1850.081	1850	Pass
GSM_Low_T7/VN	1850.082	1850	Pass
GSM_Low_T8/VN	1850.080	1850	Pass
GSM_Low_TN/VH	1850.080	1850	Pass
GSM_Low_TN/VL	1850.081	1850	Pass
GSM_High_TN/VN	1909.923	1910	Pass
GSM_High_T1/VN	1909.925	1910	Pass
GSM_High_T2/VN	1909.921	1910	Pass
GSM_High_T3/VN	1909.923	1910	Pass
GSM_High_T4/VN	1909.925	1910	Pass
GSM_High_T5/VN	1909.925	1910	Pass
GSM_High_T6/VN	1909.921	1910	Pass
GSM_High_T7/VN	1909.924	1910	Pass
GSM_High_T8/VN	1909.921	1910	Pass
GSM_High_TN/VH	1909.925	1910	Pass
GSM_High_TN/VL	1909.922	1910	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

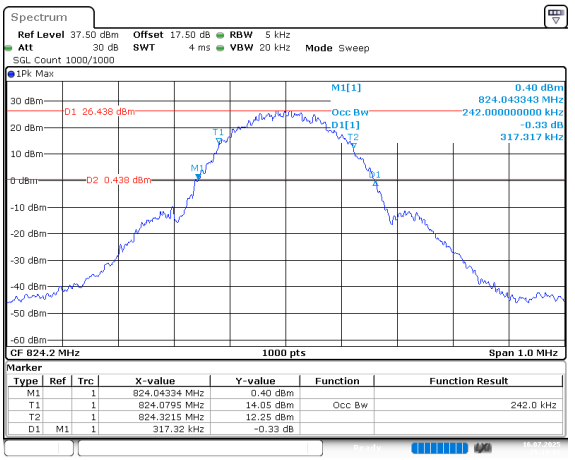
FCC Part 22H

GSM 850, Normal

Mode	99% OBW (MHz)	26dB BW (MHz)
GSM_Low	0.242	0.317
GSM_Middle	0.241	0.316
GSM_High	0.246	0.316

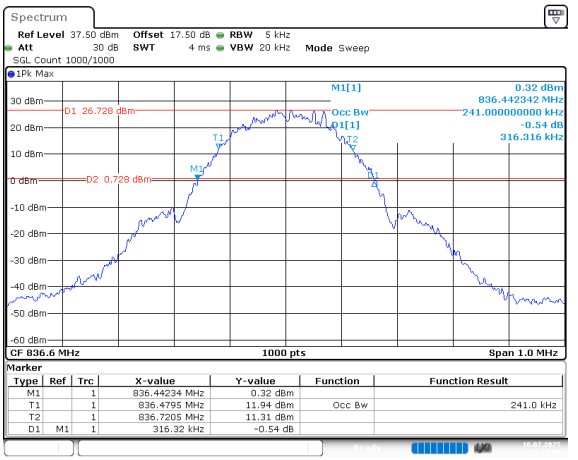
GSM 850, Normal

GSM_Low



ProjectNo.:2502U36006E-RF Tester:Loge Long
Date: 16.JUL.2025 15:19:08

GSM_Middle



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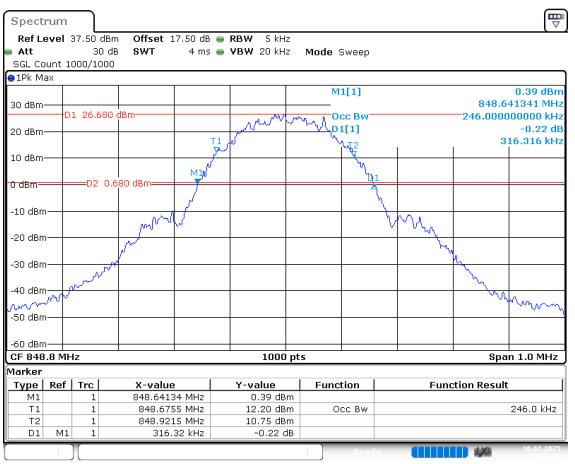
GSM_High



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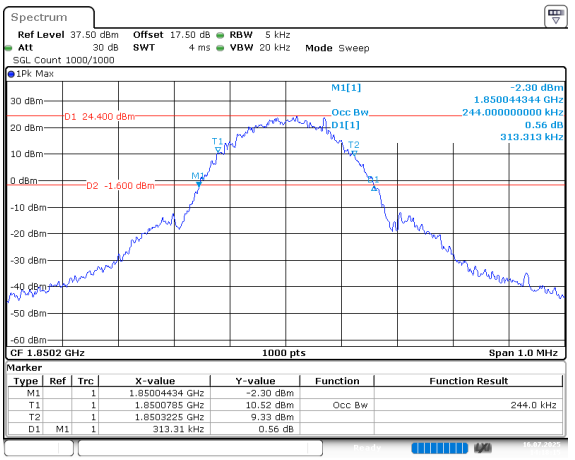
FCC Part 24E

GSM 1900, Normal

Mode	99% OBW (MHz)	26dB BW (MHz)
GSM_Low	0.244	0.313
GSM_Middle	0.241	0.314
GSM_High	0.241	0.317

GSM 1900, Normal

GSM_Low



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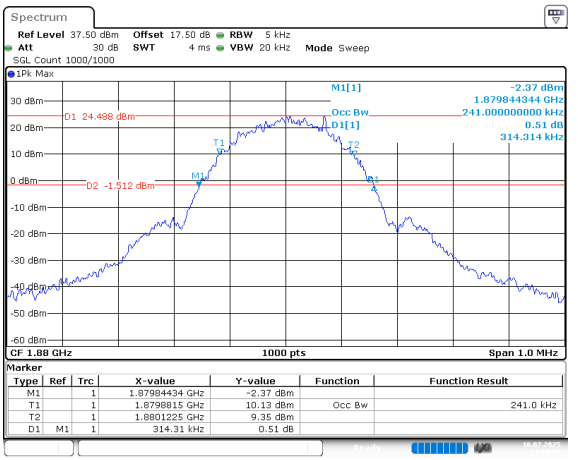
GSM_Middle



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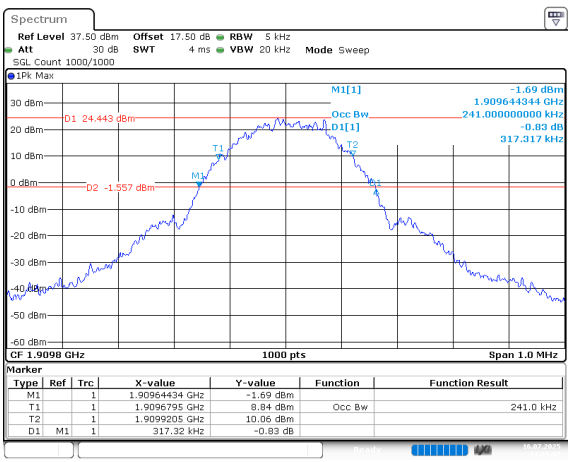
GSM_High



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RF Output Power

FCC Part 22H

GSM 850, Normal

Mode	Average Conducted Power (dBm)	ERP (dBm)	Limit (dBm)	Verdict
GSM_Low	31.31	23.85	38.45	Pass
GSM_Middle	31.38	23.92	38.45	Pass
GSM_High	31.44	23.98	38.45	Pass
GPRS_Low_Slot1	31.31	23.85	38.45	Pass
GPRS_Low_Slot2	30.12	22.66	38.45	Pass
GPRS_Low_Slot3	28.25	20.79	38.45	Pass
GPRS_Low_Slot4	26.32	18.86	38.45	Pass
GPRS_Middle_Slot1	31.32	23.86	38.45	Pass
GPRS_Middle_Slot2	30.13	22.67	38.45	Pass
GPRS_Middle_Slot3	28.16	20.70	38.45	Pass
GPRS_Middle_Slot4	26.21	18.75	38.45	Pass
GPRS_High_Slot1	31.40	23.94	38.45	Pass
GPRS_High_Slot2	30.13	22.67	38.45	Pass
GPRS_High_Slot3	28.12	20.66	38.45	Pass
GPRS_High_Slot4	26.20	18.74	38.45	Pass

Note:

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

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

1.Antenna Gain = -5.21dBi;

2.Cable Loss = 0.1dB.

FCC Part 24E

GSM 1900, Normal

Mode	Average Conducted Power (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
GSM_Low	29.39	26.76	33	Pass
GSM_Middle	29.05	26.42	33	Pass
GSM_High	29.11	26.48	33	Pass
GPRS_Low_Slot1	29.28	26.65	33	Pass
GPRS_Low_Slot2	27.50	24.87	33	Pass
GPRS_Low_Slot3	25.79	23.16	33	Pass
GPRS_Low_Slot4	23.70	21.07	33	Pass
GPRS_Middle_Slot1	29.10	26.47	33	Pass
GPRS_Middle_Slot2	27.37	24.74	33	Pass
GPRS_Middle_Slot3	25.72	23.09	33	Pass
GPRS_Middle_Slot4	23.64	21.01	33	Pass
GPRS_High_Slot1	29.17	26.54	33	Pass
GPRS_High_Slot2	27.25	24.62	33	Pass
GPRS_High_Slot3	25.54	22.91	33	Pass
GPRS_High_Slot4	23.43	20.80	33	Pass

Note:

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

1.Antenna Gain = -2.43dBi;

2.Cable Loss = 0.2dB.

Peak-to-average Ratio(PAR)

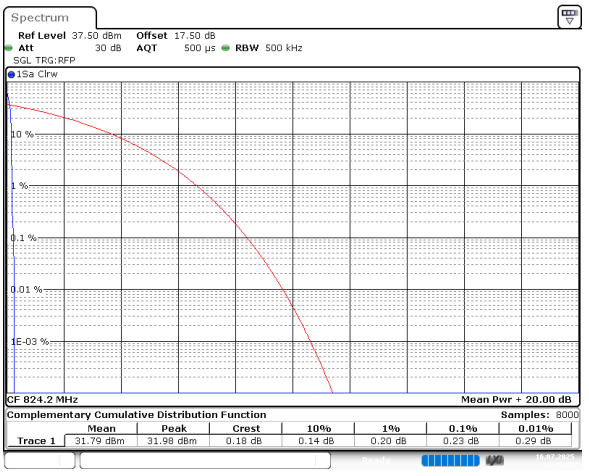
FCC Part 22H

GSM 850, Normal

Mode	Result (dB)	Limit (dB)
GSM_Low	0.23	13
GSM_Middle	0.20	13
GSM_High	0.29	13

GSM 850, Normal

GSM_Low



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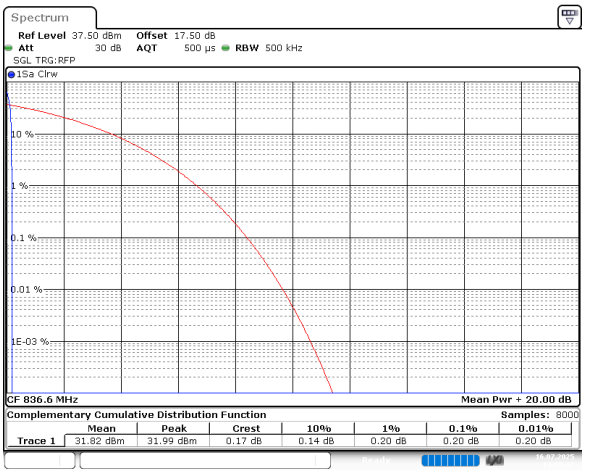
GSM_Middle



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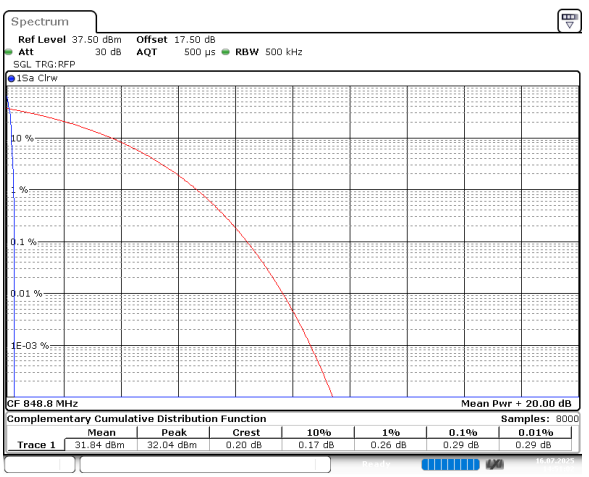
GSM_High



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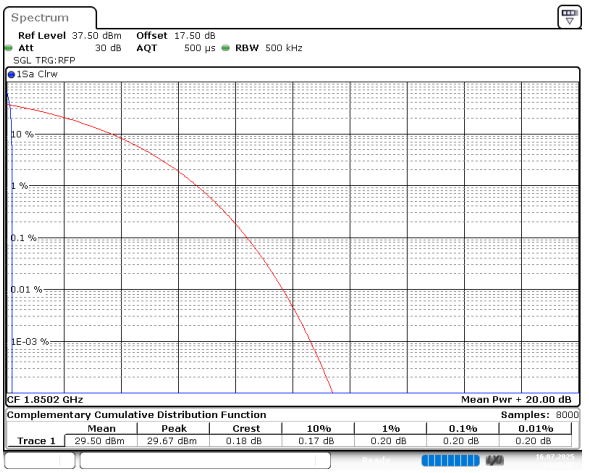
FCC Part 24E

GSM 1900, Normal

Mode	Result (dB)	Limit (dB)
GSM_Low	0.20	13
GSM_Middle	0.20	13
GSM_High	0.29	13

GSM 1900, Normal

GSM_Low



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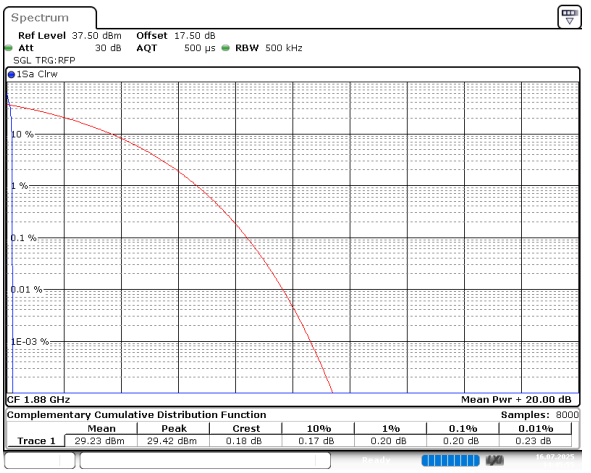
GSM_Middle



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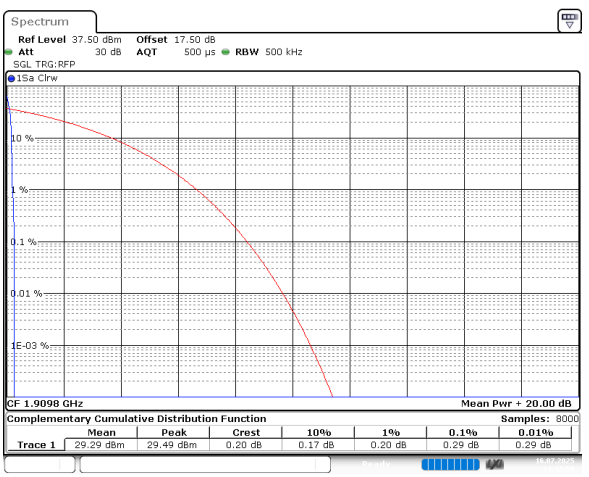
GSM_High



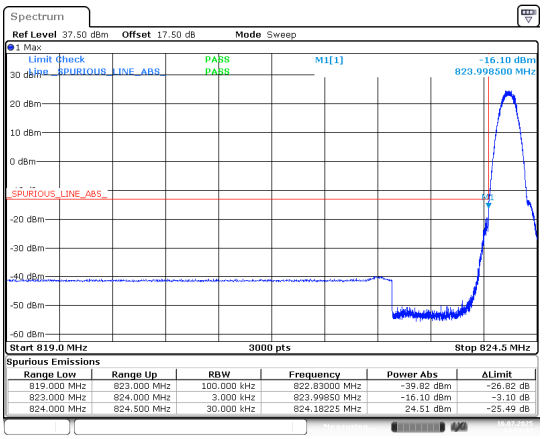
ProjectNo.:2502U36006E-RF Tester:Loge Long
Date: 16.JUL.2025 14:47:50

Out of band emission,Band Edge

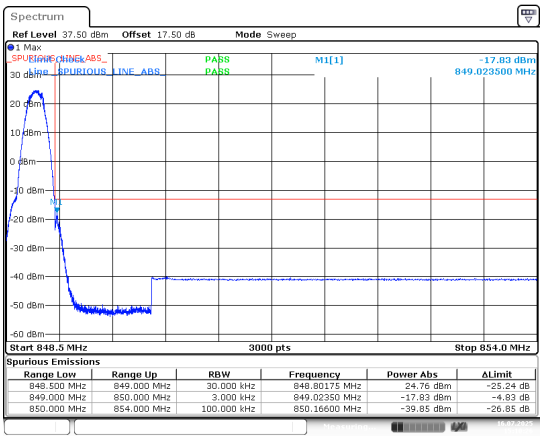
FCC Part 22H

GSM 850, Normal

GSM_Low



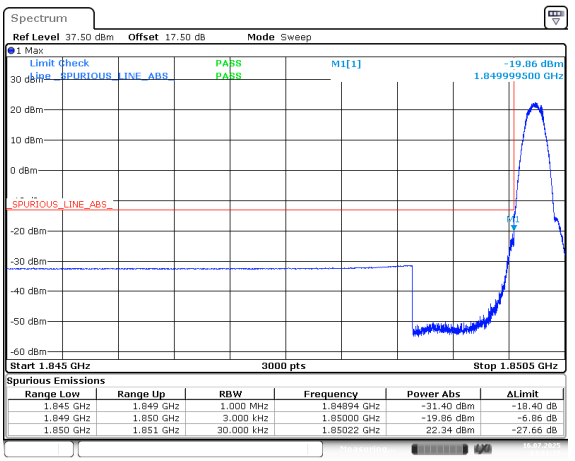
GSM_High



FCC Part 24E

GSM 1900, Normal

GSM_Low



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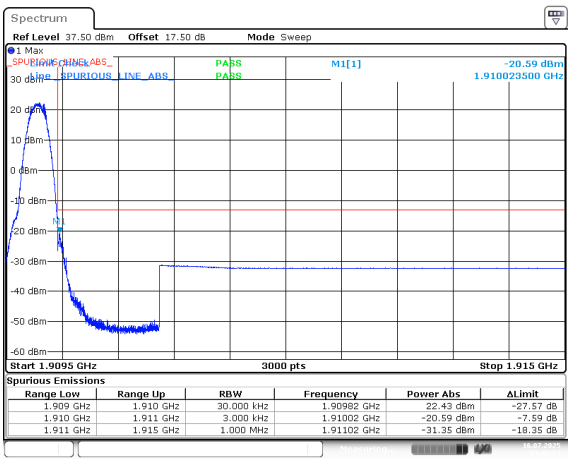


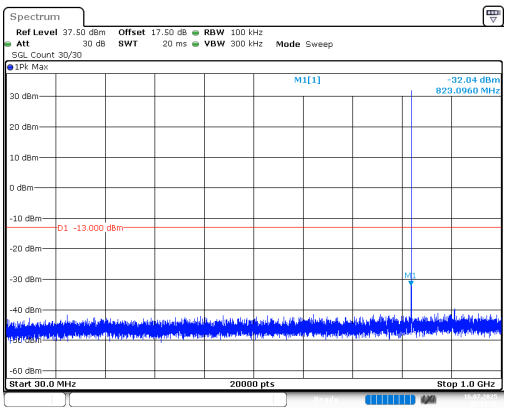
Spurious Emissions at Antenna Terminal

FCC Part 22H

GSM 850, Normal

GSM_Low

Below 1G



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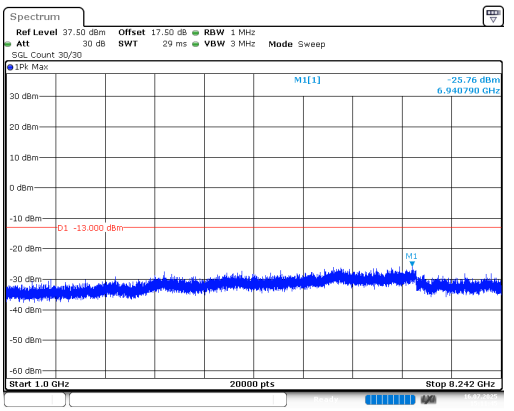

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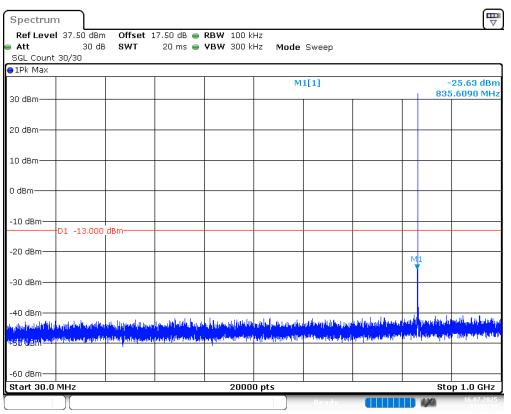
GSM_Middle

Below 1G



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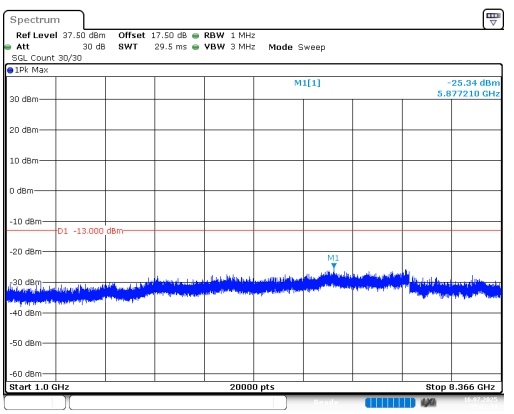

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GSM_High

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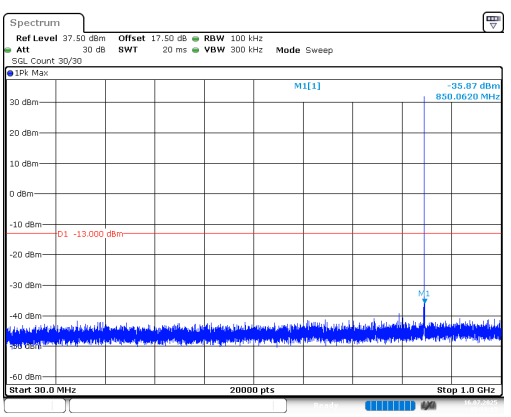

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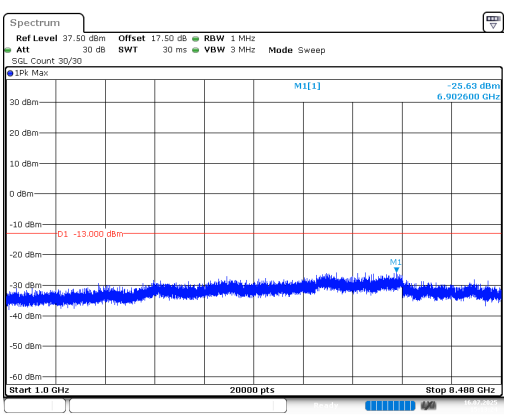

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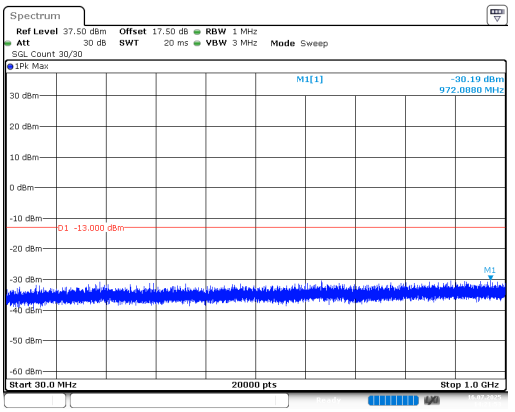
Date: 16.JUL.2025 15:13:24

FCC Part 24E

GSM 1900, Normal

GSM_Low

Below 1G



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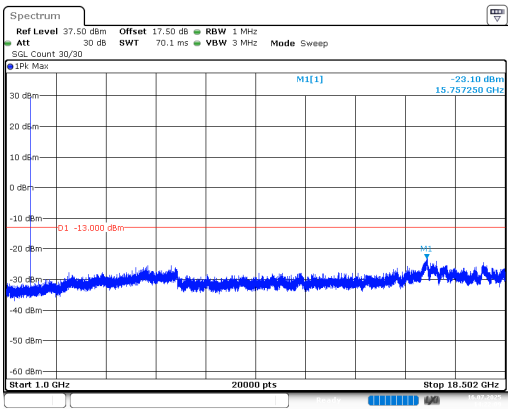

GSM_Middle

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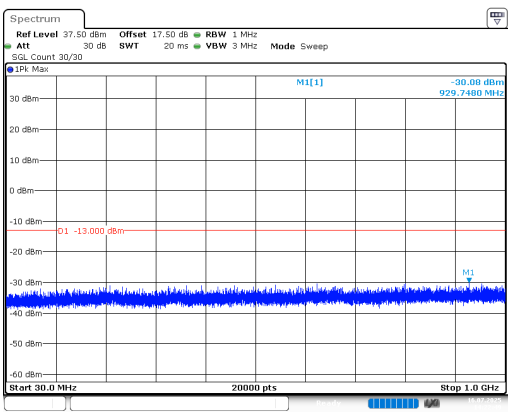

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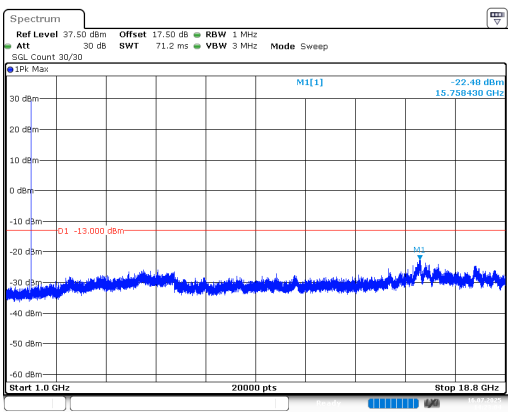

GSM_High

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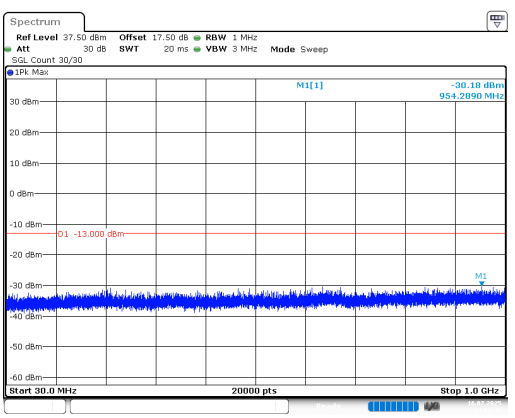

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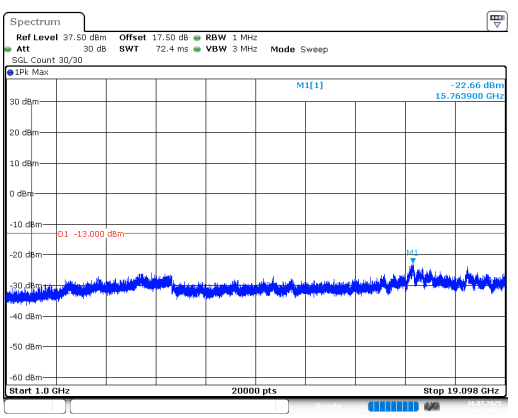

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