

Appendix A

Test Information:

Serial No.:	3EWH-2	Test Date:	2026/01/13~2026/01/14
Test Site:	RF	Test Mode:	Transmitting
Tester:	Loge Long	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	21.6~21.7	Relative Humidity: (%)	43	ATM Pressure: (kPa)	101.3~101.4
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Minl-Clrcuts	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
HUBER+SUHNER	Coaxial Attenuator	6610_SMA-50-1	0064	2025/06/06	2026/06/05
Eastsheep	Coaxial Attenuator	5W-N-JK-6G-10dB	F-08-EM504	2025/06/06	2026/06/05
R&S	Spectrum Analyzer	FSV40	101947	2025/07/28	2026/07/27
GLOBAL	TEMP&HUMI Test Chamber	BTH-150-40	30173	2025/08/01	2026/07/31
R&S	Wideband Radio Communication Tester	CMW500	144976	2025/08/01	2026/07/31
All-sun	Multimeter	EM305A	8348897	2025/08/18	2026/08/17
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	-4.07	-0.0049	±2.5	Pass
GSM_Middle_T1/VN	836.6	-7.97	-0.0095	±2.5	Pass
GSM_Middle_T2/VN	836.6	-7.30	-0.0087	±2.5	Pass
GSM_Middle_T3/VN	836.6	-4.04	-0.0048	±2.5	Pass
GSM_Middle_T4/VN	836.6	-9.72	-0.0116	±2.5	Pass
GSM_Middle_T5/VN	836.6	-6.97	-0.0083	±2.5	Pass
GSM_Middle_T6/VN	836.6	0.45	0.0005	±2.5	Pass
GSM_Middle_T7/VN	836.6	-10.40	-0.0124	±2.5	Pass
GSM_Middle_T8/VN	836.6	-8.65	-0.0103	±2.5	Pass
GSM_Middle_TN/VH	836.6	-11.40	-0.0136	±2.5	Pass
GSM_Middle_TN/VL	836.6	-9.01	-0.0108	±2.5	Pass

Note:

Frequency Error (ppm)=Frequency Error (MHz)/Test Channel(MHz)*10⁶

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 & IC RSS-133

GSM 1900

Mode	Result (MHz)	Limit (MHz)	Verdict
GSM_Low_TN/VN	1850.082	1850	Pass
GSM_Low_T1/VN	1850.081	1850	Pass
GSM_Low_T2/VN	1850.080	1850	Pass
GSM_Low_T3/VN	1850.082	1850	Pass
GSM_Low_T4/VN	1850.081	1850	Pass
GSM_Low_T5/VN	1850.081	1850	Pass
GSM_Low_T6/VN	1850.079	1850	Pass
GSM_Low_T7/VN	1850.080	1850	Pass
GSM_Low_T8/VN	1850.082	1850	Pass
GSM_Low_TN/VH	1850.078	1850	Pass
GSM_Low_TN/VL	1850.080	1850	Pass
GSM_High_TN/VN	1909.922	1910	Pass
GSM_High_T1/VN	1909.925	1910	Pass
GSM_High_T2/VN	1909.922	1910	Pass
GSM_High_T3/VN	1909.922	1910	Pass
GSM_High_T4/VN	1909.921	1910	Pass
GSM_High_T5/VN	1909.922	1910	Pass
GSM_High_T6/VN	1909.926	1910	Pass
GSM_High_T7/VN	1909.921	1910	Pass
GSM_High_T8/VN	1909.922	1910	Pass
GSM_High_TN/VH	1909.921	1910	Pass
GSM_High_TN/VL	1909.921	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.

IC RSS-132

GSM 850

Mode	Result (MHz)	Limit (MHz)	Verdict
GSM_Low_TN/VN	824.081	824	Pass
GSM_Low_T1/VN	824.080	824	Pass
GSM_Low_T2/VN	824.081	824	Pass
GSM_Low_T3/VN	824.079	824	Pass
GSM_Low_T4/VN	824.082	824	Pass
GSM_Low_T5/VN	824.079	824	Pass
GSM_Low_T6/VN	824.081	824	Pass
GSM_Low_T7/VN	824.079	824	Pass
GSM_Low_T8/VN	824.084	824	Pass
GSM_Low_TN/VH	824.080	824	Pass
GSM_Low_TN/VL	824.081	824	Pass
GSM_High_TN/VN	848.921	849	Pass
GSM_High_T1/VN	848.922	849	Pass
GSM_High_T2/VN	848.924	849	Pass
GSM_High_T3/VN	848.922	849	Pass
GSM_High_T4/VN	848.917	849	Pass
GSM_High_T5/VN	848.922	849	Pass
GSM_High_T6/VN	848.924	849	Pass
GSM_High_T7/VN	848.921	849	Pass
GSM_High_T8/VN	848.921	849	Pass
GSM_High_TN/VH	848.920	849	Pass
GSM_High_TN/VL	848.922	849	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

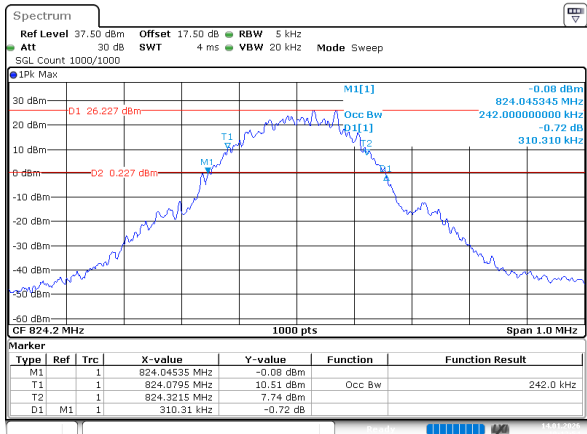
FCC Part 22H & IC RSS-132

GSM 850, Normal

Mode	99% OBW (MHz)	26dB BW (MHz)
GSM_Low	0.242	0.310
GSM_Middle	0.240	0.308
GSM_High	0.242	0.310

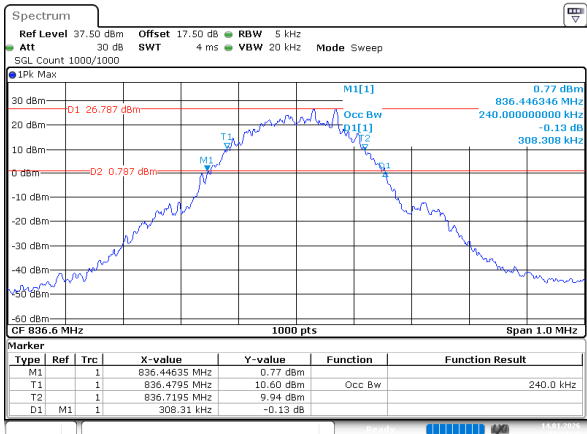
GSM 850, Normal

GSM_Low



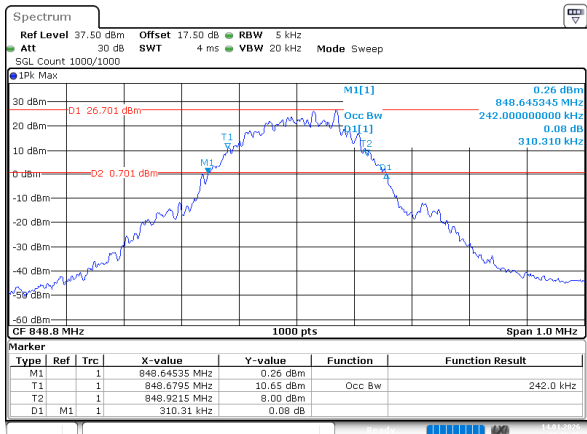
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Date: 14.JAN.2026 19:13:54

GSM_Middle



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Date: 14.JAN.2026 19:14:40

GSM_High



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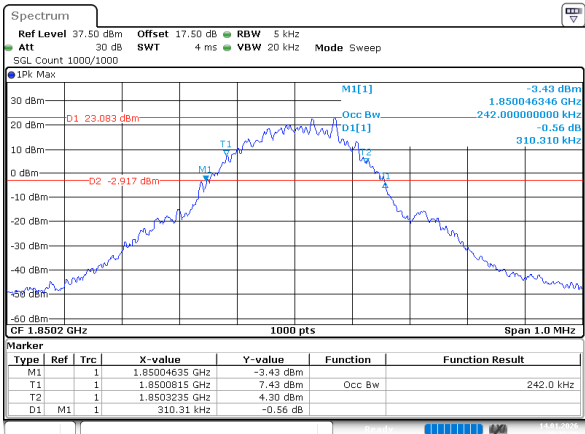
FCC Part 24E & IC RSS-133

GSM 1900, Normal

Mode	99% OBW (MHz)	26dB BW (MHz)
GSM_Low	0.242	0.310
GSM_Middle	0.242	0.304
GSM_High	0.243	0.303

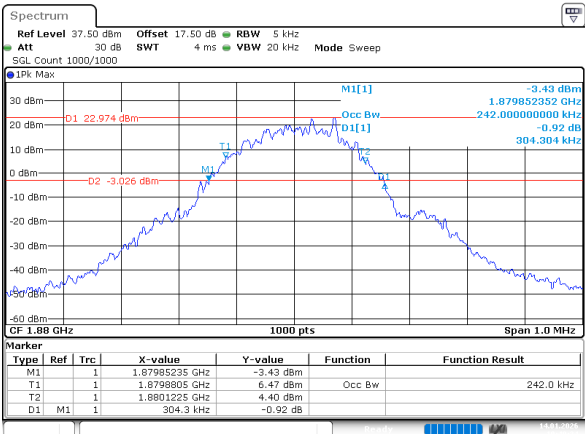
GSM 1900, Normal

GSM_Low



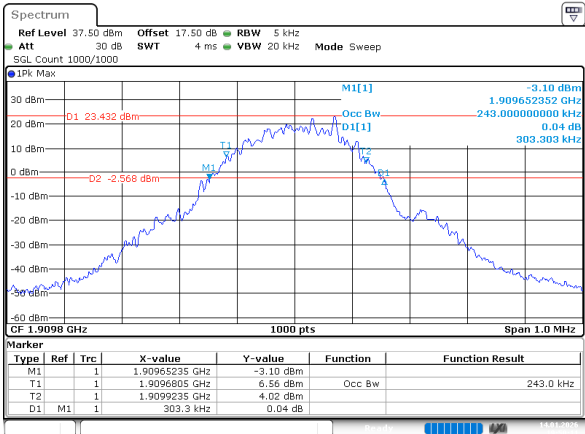
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GSM_Middle



ProjectNo.:2502A31388E-RF Tester:Loge Long
Date: 14.JAN.2026 19:49:24

GSM_High



ProjectNo.:2502A31388E-RF Tester:Loge Long
Date: 14.JAN.2026 19:50:11

RF Output Power

FCC Part 22H & IC RSS-132

GSM 850, Normal

Mode	Average Conducted Power(dBm)	ERP (dBm)	FCC Limit (dBm)	IC Limit (dBm)	Verdict
GSM_Low	31.00	28.21	38.45	34.77	Pass
GSM_Middle	31.02	28.23	38.45	34.77	Pass
GSM_High	31.01	28.22	38.45	34.77	Pass
GPRS_Low_Slot1	31.00	28.21	38.45	34.77	Pass
GPRS_Low_Slot2	28.93	26.14	38.45	34.77	Pass
GPRS_Low_Slot3	26.98	24.19	38.45	34.77	Pass
GPRS_Low_Slot4	25.03	22.24	38.45	34.77	Pass
GPRS_Middle_Slot1	31.04	28.25	38.45	34.77	Pass
GPRS_Middle_Slot2	28.97	26.18	38.45	34.77	Pass
GPRS_Middle_Slot3	27.03	24.24	38.45	34.77	Pass
GPRS_Middle_Slot4	25.09	22.30	38.45	34.77	Pass
GPRS_High_Slot1	31.00	28.21	38.45	34.77	Pass
GPRS_High_Slot2	28.97	26.18	38.45	34.77	Pass
GPRS_High_Slot3	27.06	24.27	38.45	34.77	Pass
GPRS_High_Slot4	25.14	22.35	38.45	34.77	Pass

Note:

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

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

1.Antenna Gain = -0.64dBi;

2.Cable Loss = 0dB.

FCC Part 24E & IC RSS-133

GSM 1900, Normal

Mode	Average Conducted Power(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
GSM_Low	27.91	28.32	33	Pass
GSM_Middle	27.92	28.33	33	Pass
GSM_High	27.82	28.23	33	Pass
GPRS_Low_Slot1	27.90	28.31	33	Pass
GPRS_Low_Slot2	25.87	26.28	33	Pass
GPRS_Low_Slot3	24.15	24.56	33	Pass
GPRS_Low_Slot4	22.14	22.55	33	Pass
GPRS_Middle_Slot1	28.33	28.74	33	Pass
GPRS_Middle_Slot2	25.65	26.06	33	Pass
GPRS_Middle_Slot3	24.01	24.42	33	Pass
GPRS_Middle_Slot4	22.10	22.51	33	Pass
GPRS_High_Slot1	28.14	28.55	33	Pass
GPRS_High_Slot2	25.43	25.84	33	Pass
GPRS_High_Slot3	23.77	24.18	33	Pass
GPRS_High_Slot4	21.89	22.30	33	Pass

Note:
EIRP = Average Conducted Power(dBm) + Antenna Gain(dBi) - Cable Loss(dB)
1.Antenna Gain = 0.41dBi;
2.Cable Loss = 0dB.

Peak-to-average Ratio(PAR)

FCC Part 22H & IC RSS-132

GSM 850, Normal

Mode	Result (dB)	Limit (dB)
GSM_Low	0.23	13
GSM_Middle	0.26	13
GSM_High	0.23	13

FCC Part 24E & IC RSS-133

GSM 1900, Normal

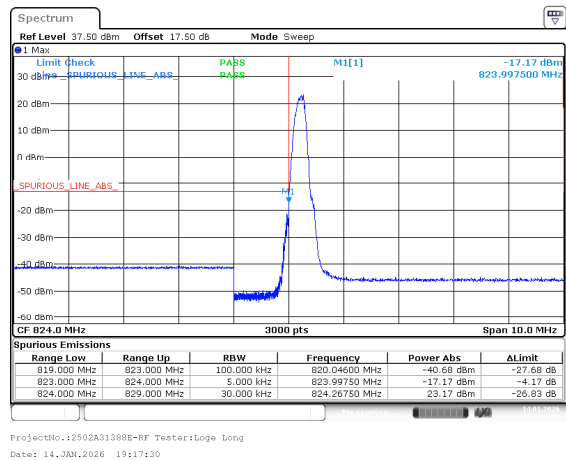
Mode	Result (dB)	Limit (dB)
GSM_Low	0.29	13
GSM_Middle	0.26	13
GSM_High	0.20	13

Out of band emission,Band Edge

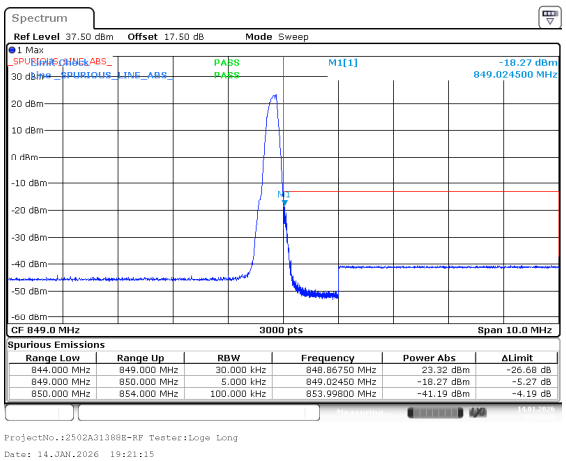
FCC Part 22H & IC RSS-132

GSM 850, Normal

GSM_Low



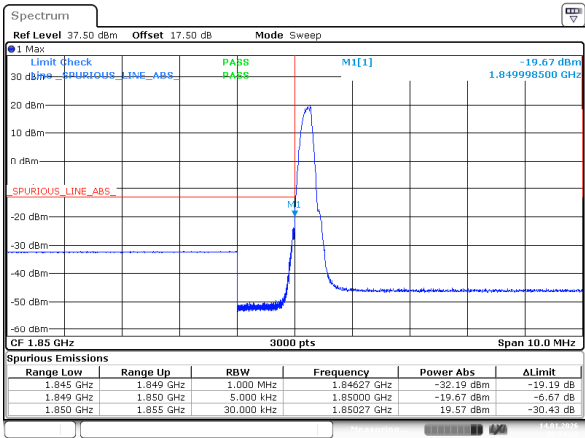
GSM_High



FCC Part 24E & IC RSS-133

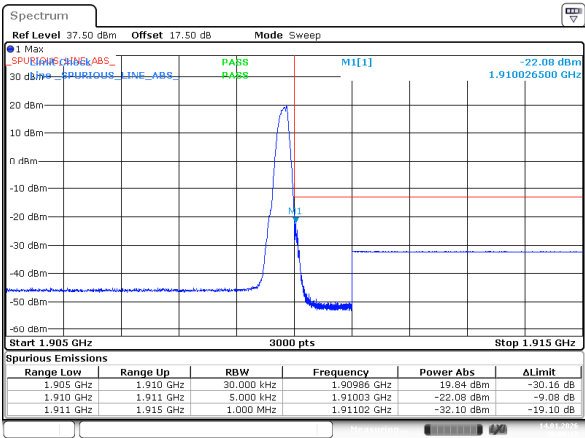
GSM 1900, Normal

GSM_Low



ProjectNo.:2502A31388E-RF Tester:Loge Long
Date: 14.JAN.2026 19:54:22

GSM_High



ProjectNo.:2502A31388E-RF Tester:Loge Long
Date: 14.JAN.2026 20:00:18

Spurious Emissions at Antenna Terminal

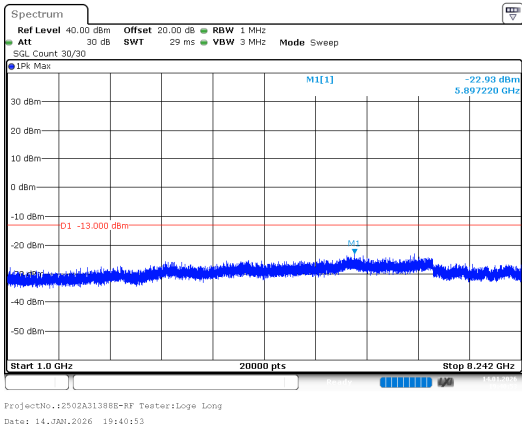
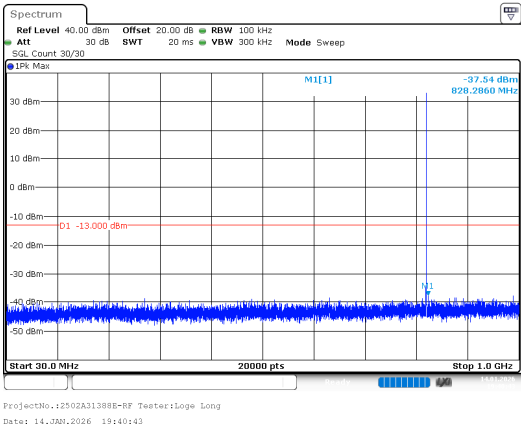
FCC Part 22H & IC RSS-132

GSM 850, Normal

GSM_Low

Below 1G

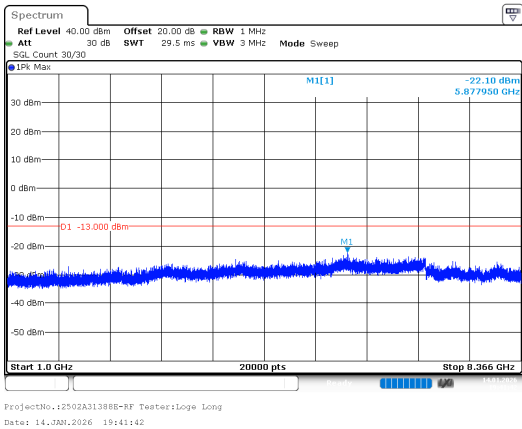
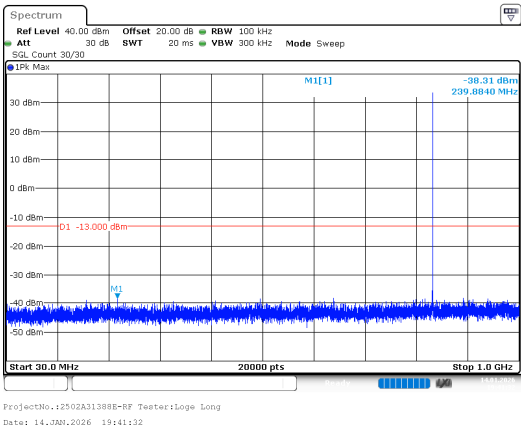
Above 1G



GSM_Middle

Below 1G

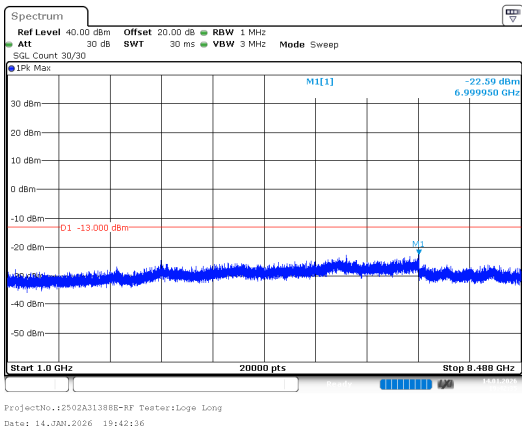
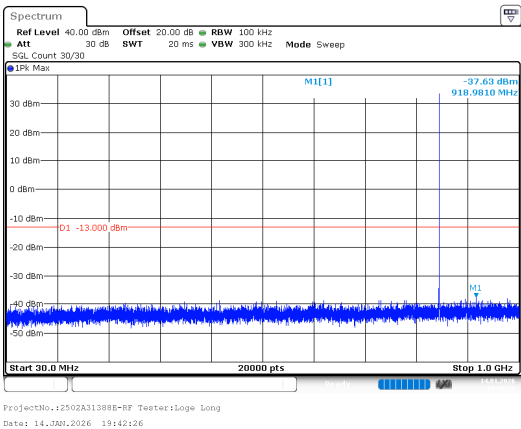
Above 1G



GSM_High

Below 1G

Above 1G

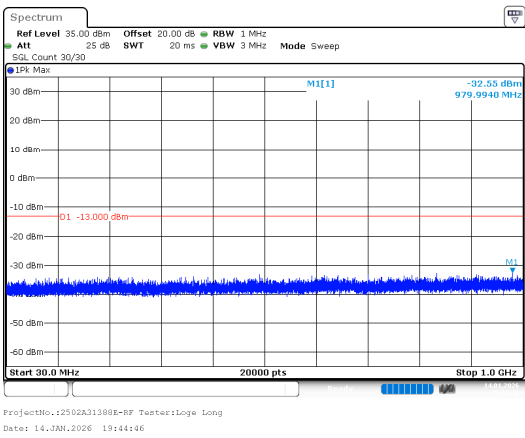


FCC Part 24E & IC RSS-133

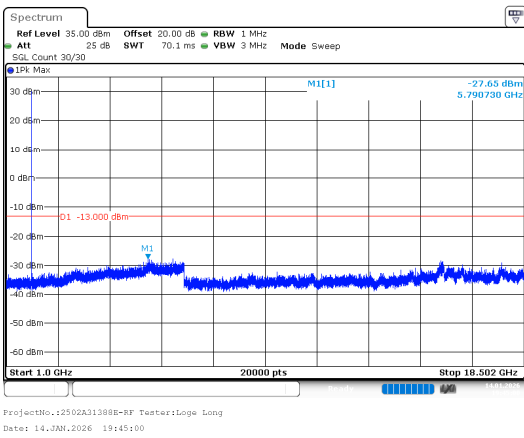
GSM 1900, Normal

GSM_Low

Below 1G

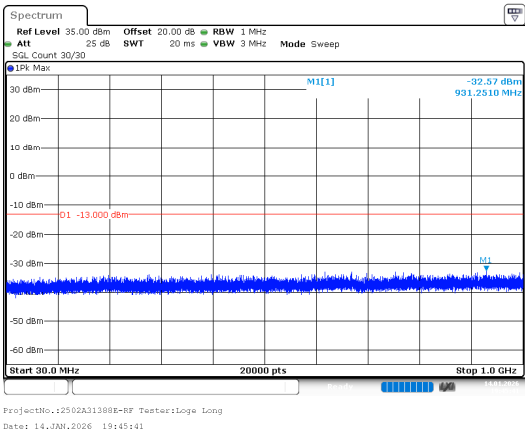


Above 1G

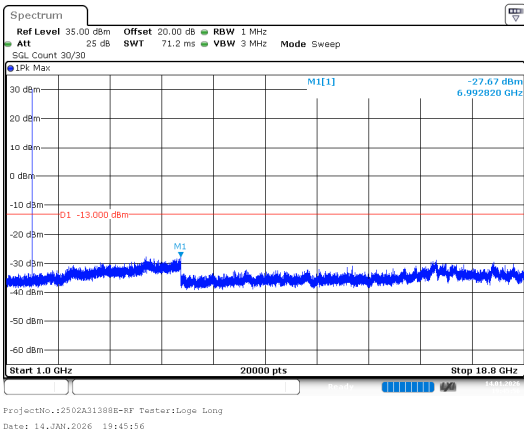


GSM_Middle

Below 1G

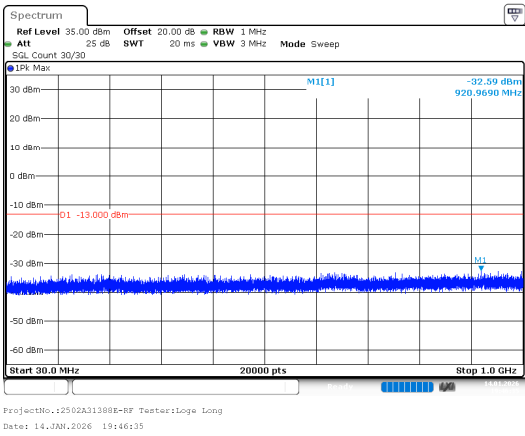


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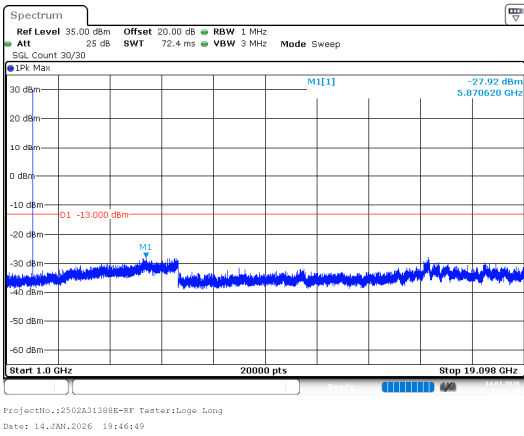


GSM_High

Below 1G



Above 1G



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