

Appendix A

Test Information:

Serial No.:	3FMW-3	Test Date:	2026/01/13~2026/01/14
Test Site:	RF	Test Mode:	Transmitting
Tester:	Fermin Fu	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-Clrkits	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).

2026.1.16

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	4.42	0.0053	±2.5	Pass
GSM_Middle_T1/VN	836.6	8.56	0.0102	±2.5	Pass
GSM_Middle_T2/VN	836.6	6.23	0.0074	±2.5	Pass
GSM_Middle_T3/VN	836.6	5.59	0.0067	±2.5	Pass
GSM_Middle_T4/VN	836.6	6.23	0.0074	±2.5	Pass
GSM_Middle_T5/VN	836.6	6.39	0.0076	±2.5	Pass
GSM_Middle_T6/VN	836.6	7.62	0.0091	±2.5	Pass
GSM_Middle_T7/VN	836.6	6.26	0.0075	±2.5	Pass
GSM_Middle_T8/VN	836.6	7.04	0.0084	±2.5	Pass
GSM_Middle_TN/VH	836.6	7.36	0.0088	±2.5	Pass
GSM_Middle_TN/VL	836.6	5.75	0.0069	±2.5	Pass
EDGE_Middle_8PSK_TN/VN	836.6	2.65	0.0032	±2.5	Pass
EDGE_Middle_8PSK_T1/VN	836.6	3.97	0.0047	±2.5	Pass
EDGE_Middle_8PSK_T2/VN	836.6	3.94	0.0047	±2.5	Pass
EDGE_Middle_8PSK_T3/VN	836.6	5.49	0.0066	±2.5	Pass
EDGE_Middle_8PSK_T4/VN	836.6	4.13	0.0049	±2.5	Pass
EDGE_Middle_8PSK_T5/VN	836.6	4.26	0.0051	±2.5	Pass
EDGE_Middle_8PSK_T6/VN	836.6	6.07	0.0073	±2.5	Pass
EDGE_Middle_8PSK_T7/VN	836.6	4.26	0.0051	±2.5	Pass
EDGE_Middle_8PSK_T8/VN	836.6	3.26	0.0039	±2.5	Pass
EDGE_Middle_8PSK_TN/VH	836.6	4.55	0.0054	±2.5	Pass
EDGE_Middle_8PSK_TN/VL	836.6	3.84	0.0046	±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	1850.081	1850	Pass
GSM_Low_T1/VN	1850.081	1850	Pass
GSM_Low_T2/VN	1850.081	1850	Pass
GSM_Low_T3/VN	1850.081	1850	Pass
GSM_Low_T4/VN	1850.079	1850	Pass
GSM_Low_T5/VN	1850.080	1850	Pass
GSM_Low_T6/VN	1850.078	1850	Pass
GSM_Low_T7/VN	1850.078	1850	Pass
GSM_Low_T8/VN	1850.077	1850	Pass
GSM_Low_TN/VH	1850.076	1850	Pass
GSM_Low_TN/VL	1850.079	1850	Pass
GSM_High_TN/VN	1909.922	1910	Pass
GSM_High_T1/VN	1909.929	1910	Pass
GSM_High_T2/VN	1909.927	1910	Pass
GSM_High_T3/VN	1909.921	1910	Pass
GSM_High_T4/VN	1909.923	1910	Pass
GSM_High_T5/VN	1909.926	1910	Pass
GSM_High_T6/VN	1909.921	1910	Pass
GSM_High_T7/VN	1909.925	1910	Pass
GSM_High_T8/VN	1909.928	1910	Pass
GSM_High_TN/VH	1909.929	1910	Pass
GSM_High_TN/VL	1909.926	1910	Pass
EDGE_Low_8PSK_TN/VN	1850.075	1850	Pass
EDGE_Low_8PSK_T1/VN	1850.073	1850	Pass
EDGE_Low_8PSK_T2/VN	1850.079	1850	Pass
EDGE_Low_8PSK_T3/VN	1850.077	1850	Pass
EDGE_Low_8PSK_T4/VN	1850.076	1850	Pass
EDGE_Low_8PSK_T5/VN	1850.076	1850	Pass
EDGE_Low_8PSK_T6/VN	1850.084	1850	Pass
EDGE_Low_8PSK_T7/VN	1850.080	1850	Pass

Mode	Result (MHz)	Limit (MHz)	Verdict
EDGE_Low_8PSK_T8/VN	1850.078	1850	Pass
EDGE_Low_8PSK_TN/VH	1850.081	1850	Pass
EDGE_Low_8PSK_TN/VL	1850.075	1850	Pass
EDGE_High_8PSK_TN/VN	1909.922	1910	Pass
EDGE_High_8PSK_T1/VN	1909.924	1910	Pass
EDGE_High_8PSK_T2/VN	1909.925	1910	Pass
EDGE_High_8PSK_T3/VN	1909.929	1910	Pass
EDGE_High_8PSK_T4/VN	1909.925	1910	Pass
EDGE_High_8PSK_T5/VN	1909.924	1910	Pass
EDGE_High_8PSK_T6/VN	1909.933	1910	Pass
EDGE_High_8PSK_T7/VN	1909.923	1910	Pass
EDGE_High_8PSK_T8/VN	1909.921	1910	Pass
EDGE_High_8PSK_TN/VH	1909.926	1910	Pass
EDGE_High_8PSK_TN/VL	1909.924	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	824.077	824	Pass
GSM_Low_T1/VN	824.077	824	Pass
GSM_Low_T2/VN	824.080	824	Pass
GSM_Low_T3/VN	824.074	824	Pass
GSM_Low_T4/VN	824.079	824	Pass
GSM_Low_T5/VN	824.078	824	Pass
GSM_Low_T6/VN	824.080	824	Pass
GSM_Low_T7/VN	824.081	824	Pass
GSM_Low_T8/VN	824.079	824	Pass
GSM_Low_TN/VH	824.078	824	Pass
GSM_Low_TN/VL	824.080	824	Pass
GSM_High_TN/VN	848.924	849	Pass
GSM_High_T1/VN	848.926	849	Pass
GSM_High_T2/VN	848.923	849	Pass
GSM_High_T3/VN	848.923	849	Pass
GSM_High_T4/VN	848.926	849	Pass
GSM_High_T5/VN	848.926	849	Pass
GSM_High_T6/VN	848.923	849	Pass
GSM_High_T7/VN	848.923	849	Pass
GSM_High_T8/VN	848.927	849	Pass
GSM_High_TN/VH	848.923	849	Pass
GSM_High_TN/VL	848.923	849	Pass
EDGE_Low_8PSK_TN/VN	824.078	824	Pass
EDGE_Low_8PSK_T1/VN	824.080	824	Pass
EDGE_Low_8PSK_T2/VN	824.076	824	Pass
EDGE_Low_8PSK_T3/VN	824.085	824	Pass
EDGE_Low_8PSK_T4/VN	824.077	824	Pass
EDGE_Low_8PSK_T5/VN	824.082	824	Pass
EDGE_Low_8PSK_T6/VN	824.071	824	Pass
EDGE_Low_8PSK_T7/VN	824.072	824	Pass

Mode	Result (MHz)	Limit (MHz)	Verdict
EDGE_Low_8PSK_T8/VN	824.083	824	Pass
EDGE_Low_8PSK_TN/VH	824.077	824	Pass
EDGE_Low_8PSK_TN/VL	824.077	824	Pass
EDGE_High_8PSK_TN/VN	848.926	849	Pass
EDGE_High_8PSK_T1/VN	848.925	849	Pass
EDGE_High_8PSK_T2/VN	848.925	849	Pass
EDGE_High_8PSK_T3/VN	848.923	849	Pass
EDGE_High_8PSK_T4/VN	848.921	849	Pass
EDGE_High_8PSK_T5/VN	848.922	849	Pass
EDGE_High_8PSK_T6/VN	848.926	849	Pass
EDGE_High_8PSK_T7/VN	848.927	849	Pass
EDGE_High_8PSK_T8/VN	848.927	849	Pass
EDGE_High_8PSK_TN/VH	848.926	849	Pass
EDGE_High_8PSK_TN/VL	848.925	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

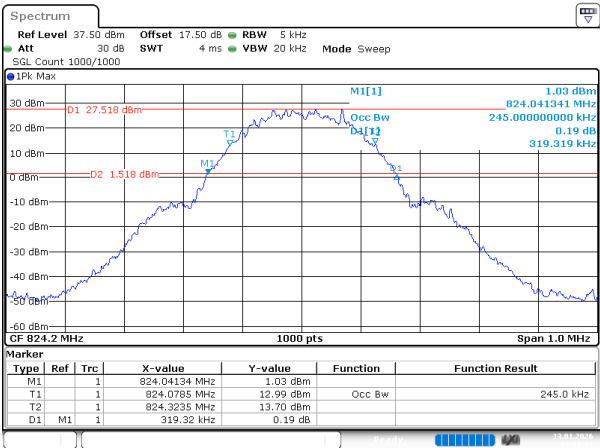
FCC Part 22H & IC RSS-132

GSM 850, Normal

Mode	99% OBW (MHz)	26dB BW (MHz)
GSM_Low	0.245	0.319
GSM_Middle	0.243	0.318
GSM_High	0.247	0.318
EDGE_Low_8PSK	0.249	0.317
EDGE_Middle_8PSK	0.247	0.320
EDGE_High_8PSK	0.249	0.317

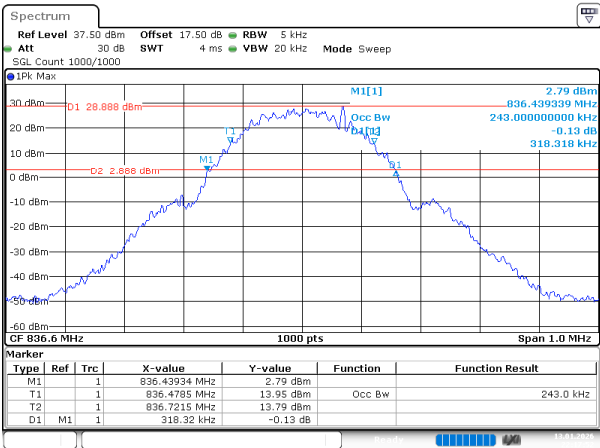
GSM 850, Normal

GSM_Low



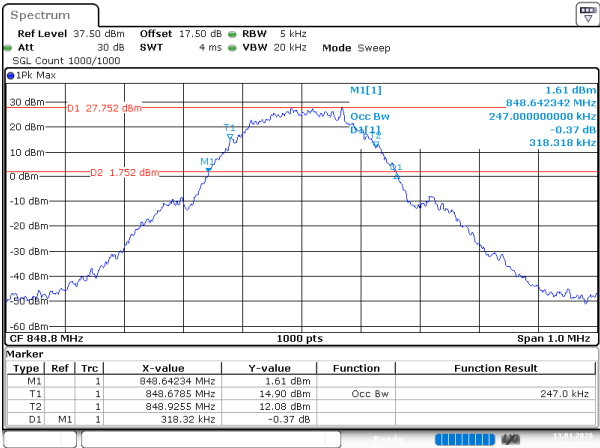
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GSM_Middle



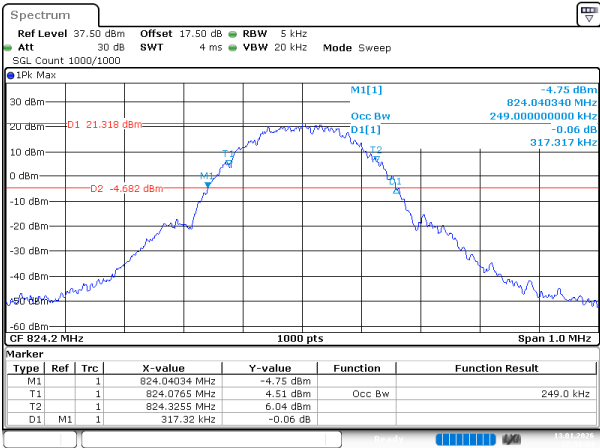
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GSM_High



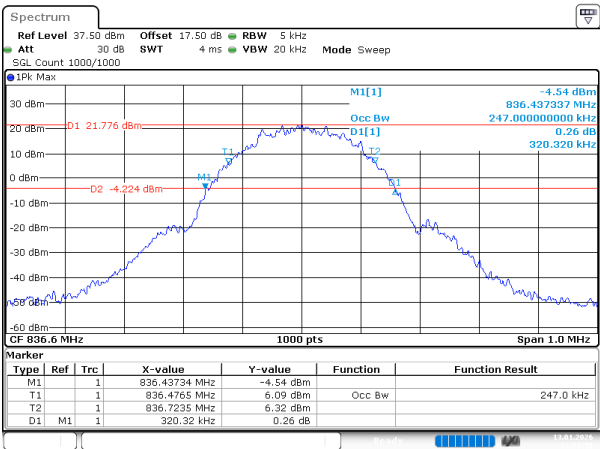
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EDGE_Low_8PSK



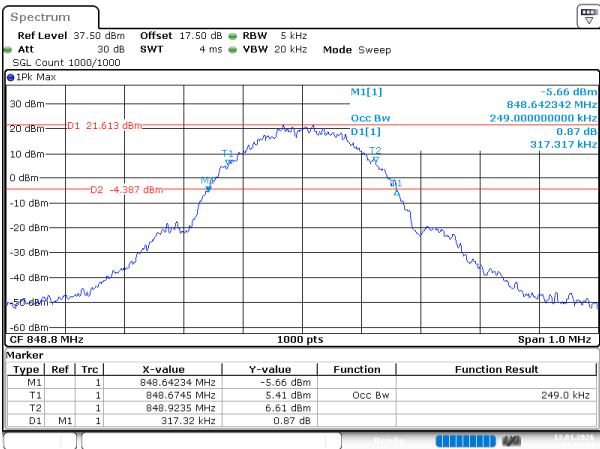
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EDGE_Middle_8PSK



ProjectNo.:2602P27730E-RF Tester:Permin Fu
Date: 13.JAN.2026 22:53:58

EDGE_High_8PSK



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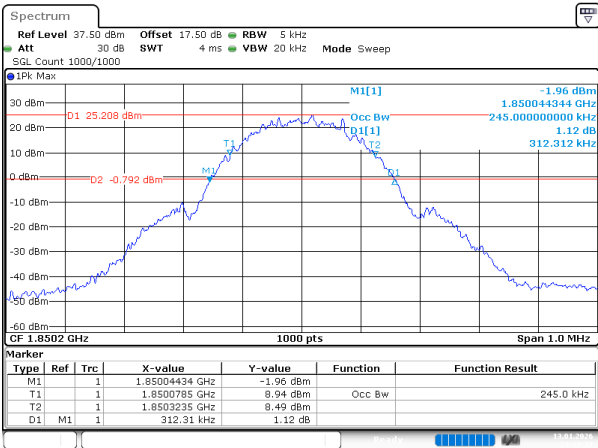
FCC Part 24E & IC RSS-133

GSM 1900, Normal

Mode	99% OBW (MHz)	26dB BW (MHz)
GSM_Low	0.245	0.312
GSM_Middle	0.245	0.320
GSM_High	0.242	0.308
EDGE_Low_8PSK	0.251	0.321
EDGE_Middle_8PSK	0.248	0.318
EDGE_High_8PSK	0.247	0.317

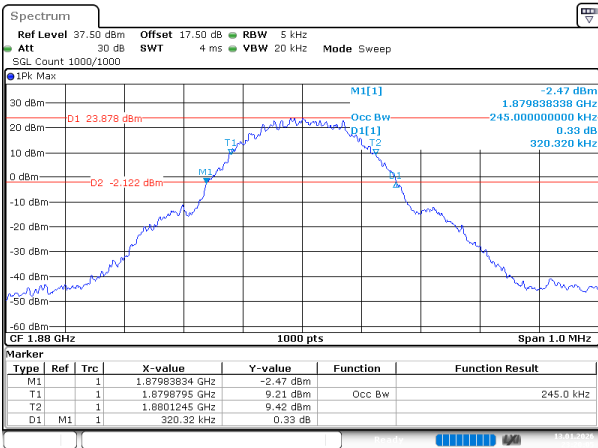
GSM 1900, Normal

GSM_Low



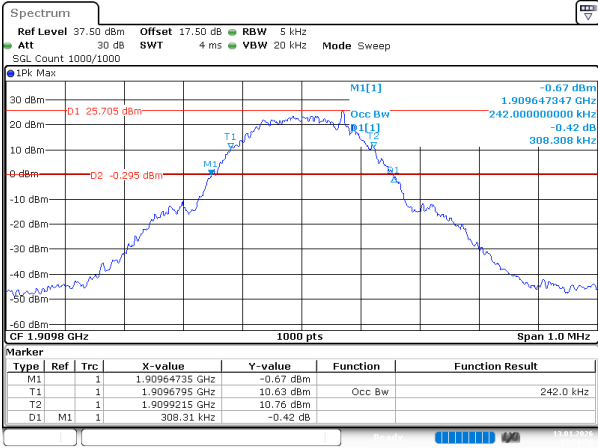
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GSM_Middle



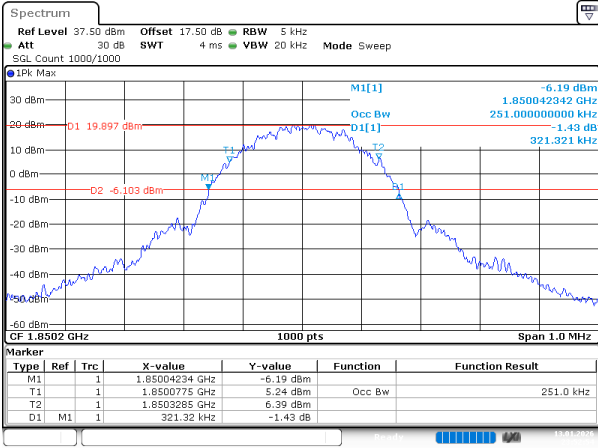
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GSM_High



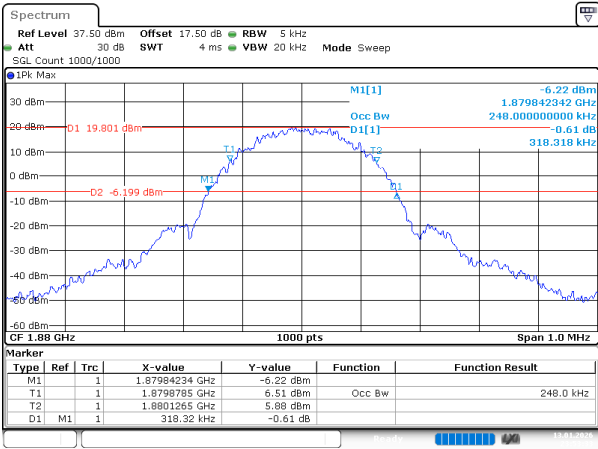
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EDGE_Low_8PSK



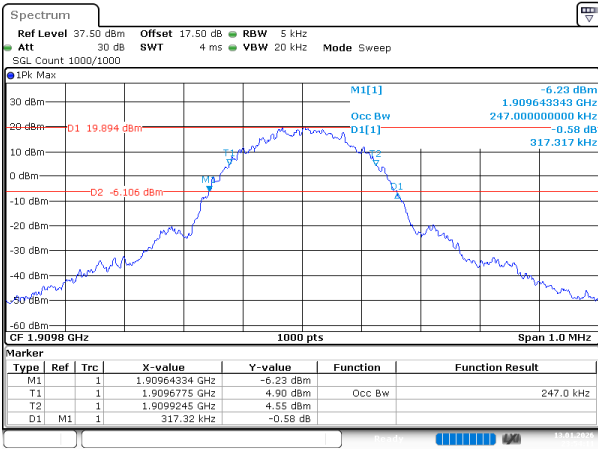
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EDGE_Middle_8PSK



ProjectNo.:2602P27730E-RF Tester:Permin Pu
Date: 13.JAN.2026 23:53:34

EDGE_High_8PSK



ProjectNo.:2602P27730E-RF Tester:Permin Pu
Date: 13.JAN.2026 23:54:11

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	33.17	28.00	38.45	34.77	Pass
GSM_Middle	33.27	28.10	38.45	34.77	Pass
GSM_High	33.28	28.11	38.45	34.77	Pass
GPRS_Low_Slot1	33.16	27.99	38.45	34.77	Pass
GPRS_Low_Slot2	32.14	26.97	38.45	34.77	Pass
GPRS_Low_Slot3	30.04	24.87	38.45	34.77	Pass
GPRS_Low_Slot4	28.87	23.70	38.45	34.77	Pass
GPRS_Middle_Slot1	33.23	28.06	38.45	34.77	Pass
GPRS_Middle_Slot2	32.26	27.09	38.45	34.77	Pass
GPRS_Middle_Slot3	30.19	25.02	38.45	34.77	Pass
GPRS_Middle_Slot4	29.05	23.88	38.45	34.77	Pass
GPRS_High_Slot1	33.23	28.06	38.45	34.77	Pass
GPRS_High_Slot2	32.29	27.12	38.45	34.77	Pass
GPRS_High_Slot3	30.25	25.08	38.45	34.77	Pass
GPRS_High_Slot4	29.13	23.96	38.45	34.77	Pass
EDGE_Low_Slot1	26.94	21.77	38.45	34.77	Pass
EDGE_Low_Slot2	25.72	20.55	38.45	34.77	Pass
EDGE_Low_Slot3	23.43	18.26	38.45	34.77	Pass
EDGE_Low_Slot4	22.25	17.08	38.45	34.77	Pass
EDGE_Middle_Slot1	26.79	21.62	38.45	34.77	Pass
EDGE_Middle_Slot2	25.77	20.60	38.45	34.77	Pass
EDGE_Middle_Slot3	23.46	18.29	38.45	34.77	Pass
EDGE_Middle_Slot4	22.12	16.95	38.45	34.77	Pass
EDGE_High_Slot1	26.70	21.53	38.45	34.77	Pass
EDGE_High_Slot2	25.68	20.51	38.45	34.77	Pass
EDGE_High_Slot3	23.43	18.26	38.45	34.77	Pass
EDGE_High_Slot4	22.11	16.94	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 = -3.02dBi;

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	30.18	26.84	33	Pass
GSM_Middle	30.05	26.71	33	Pass
GSM_High	30.10	26.76	33	Pass
GPRS_Low_Slot1	30.17	26.83	33	Pass
GPRS_Low_Slot2	28.99	25.65	33	Pass
GPRS_Low_Slot3	26.63	23.29	33	Pass
GPRS_Low_Slot4	25.52	22.18	33	Pass
GPRS_Middle_Slot1	30.03	26.69	33	Pass
GPRS_Middle_Slot2	28.91	25.57	33	Pass
GPRS_Middle_Slot3	26.59	23.25	33	Pass
GPRS_Middle_Slot4	25.52	22.18	33	Pass
GPRS_High_Slot1	30.09	26.75	33	Pass
GPRS_High_Slot2	28.99	25.65	33	Pass
GPRS_High_Slot3	26.72	23.38	33	Pass
GPRS_High_Slot4	25.68	22.34	33	Pass
EDGE_Low_Slot1	25.99	22.65	33	Pass
EDGE_Low_Slot2	24.75	21.41	33	Pass
EDGE_Low_Slot3	22.47	19.13	33	Pass
EDGE_Low_Slot4	21.24	17.90	33	Pass
EDGE_Middle_Slot1	26.33	22.99	33	Pass
EDGE_Middle_Slot2	25.16	21.82	33	Pass
EDGE_Middle_Slot3	22.87	19.53	33	Pass
EDGE_Middle_Slot4	21.34	18.00	33	Pass
EDGE_High_Slot1	26.37	23.03	33	Pass
EDGE_High_Slot2	25.23	21.89	33	Pass
EDGE_High_Slot3	22.93	19.59	33	Pass
EDGE_High_Slot4	21.68	18.34	33	Pass

Note:

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

1.Antenna Gain = -3.34dBi;

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	0.20	13
GSM_Middle	0.20	13
GSM_High	0.23	13

FCC Part 24E & IC RSS-133

GSM 1900, Normal

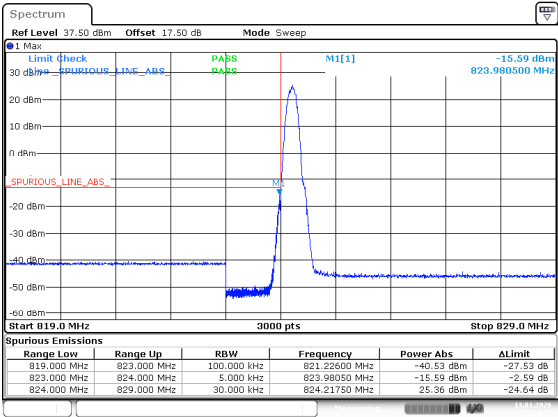
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GSM_Middle	0.29	13
GSM_High	0.26	13

Out of band emission,Band Edge

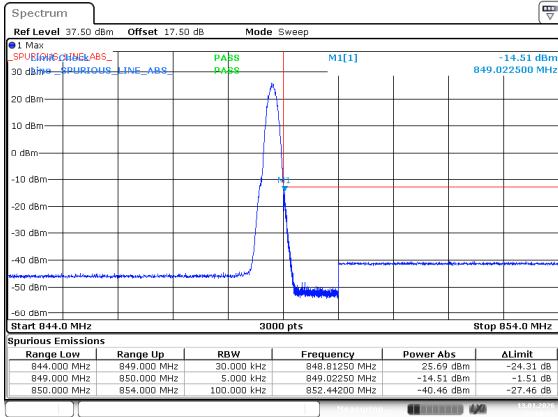
FCC Part 22H & IC RSS-132

GSM 850, Normal

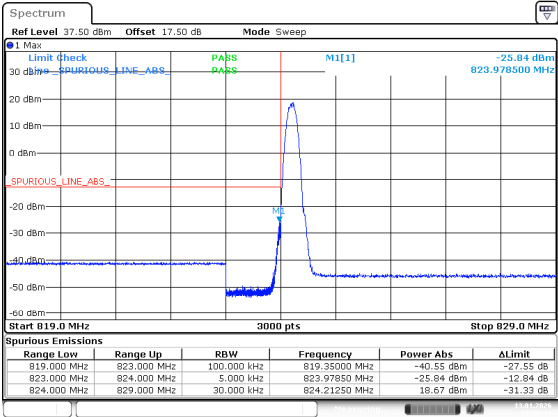
GSM_Low



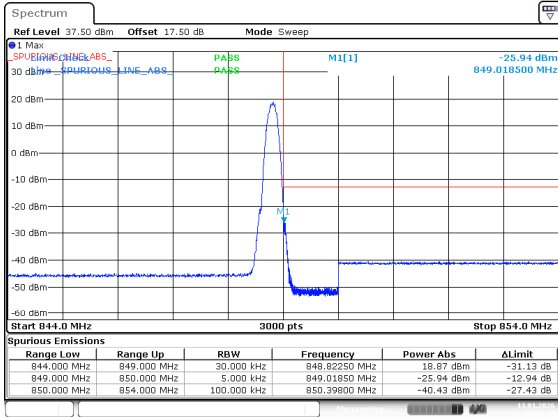
GSM_High



EDGE_Low_8PSK



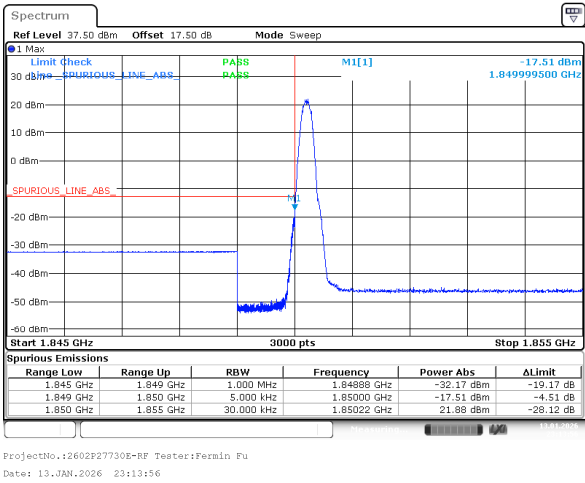
EDGE_High_8PSK



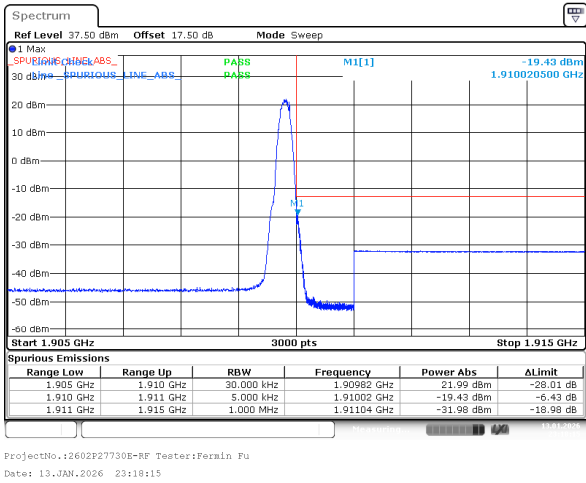
FCC Part 24E & IC RSS-133

GSM 1900, Normal

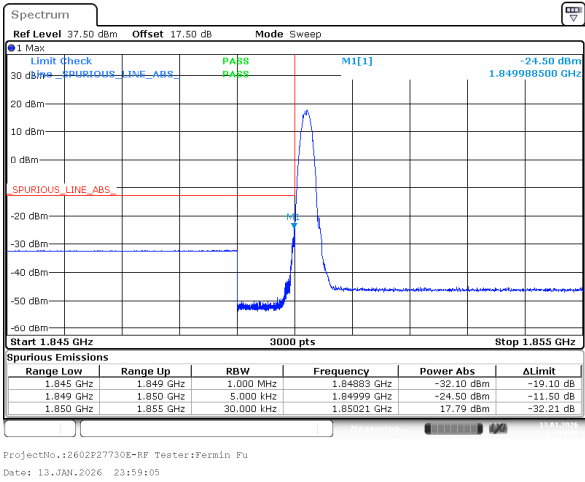
GSM_Low



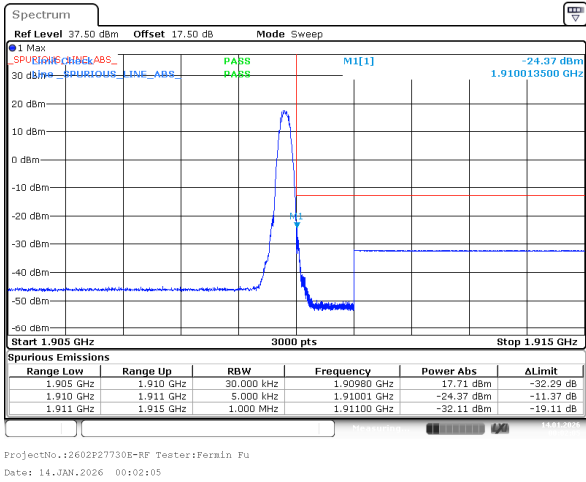
GSM_High



EDGE_Low_8PSK



EDGE_High_8PSK



Spurious Emissions at Antenna Terminal

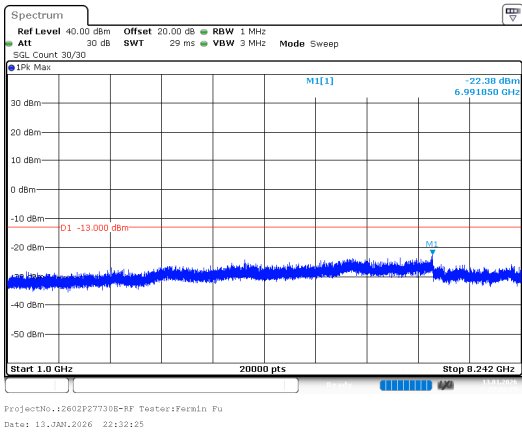
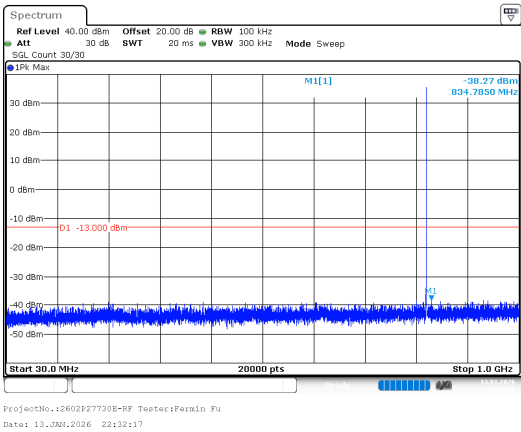
FCC Part 22H & IC RSS-132

GSM 850, Normal

GSM_Low

Below 1G

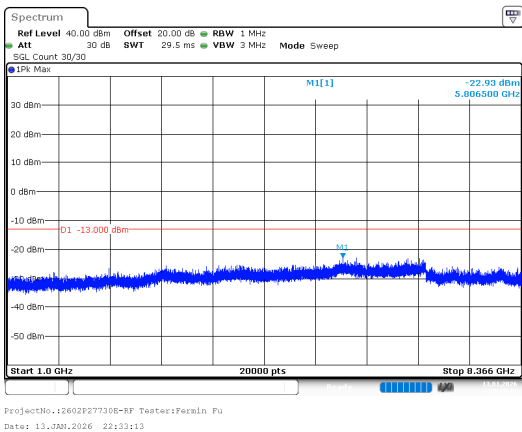
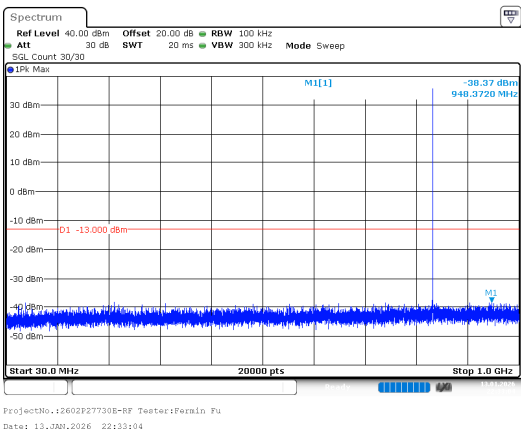
Above 1G



GSM_Middle

Below 1G

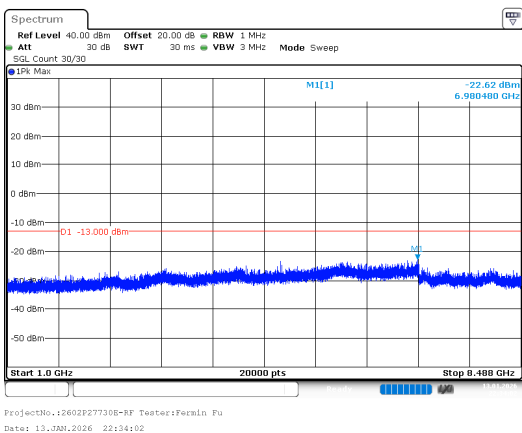
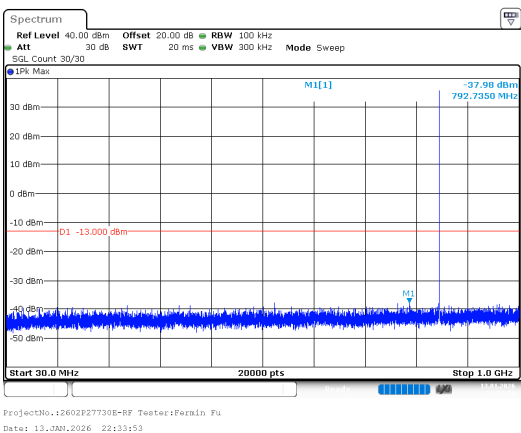
Above 1G



GSM_High

Below 1G

Above 1G

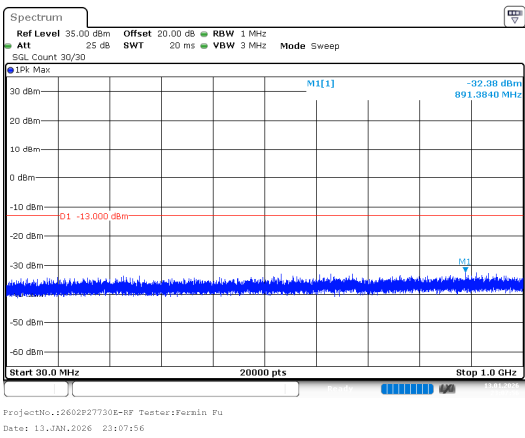


FCC Part 24E & IC RSS-133

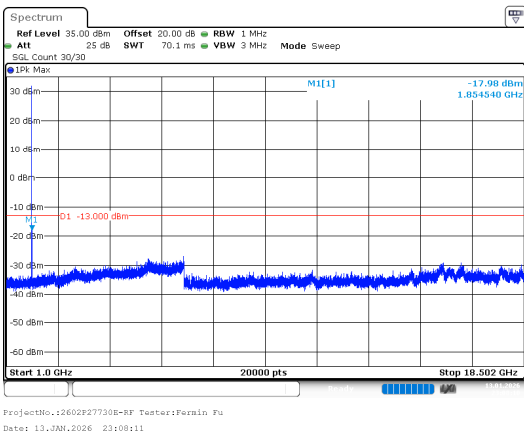
GSM 1900, Normal

GSM_Low

Below 1G

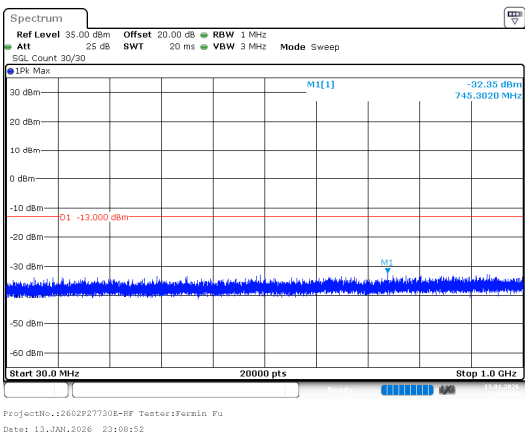


Above 1G

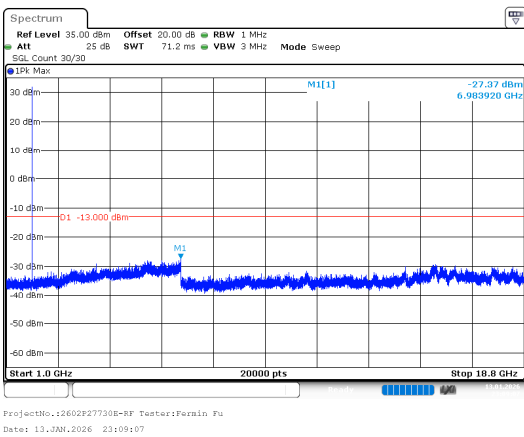


GSM_Middle

Below 1G

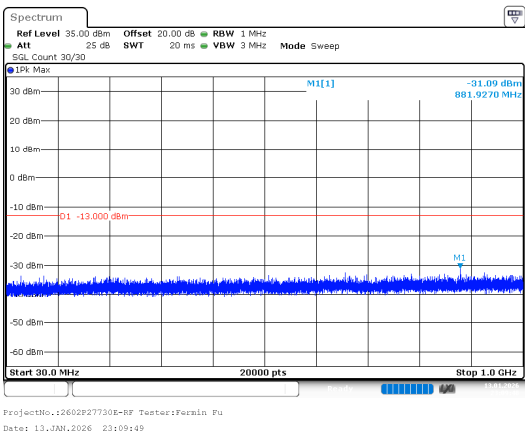


Above 1G

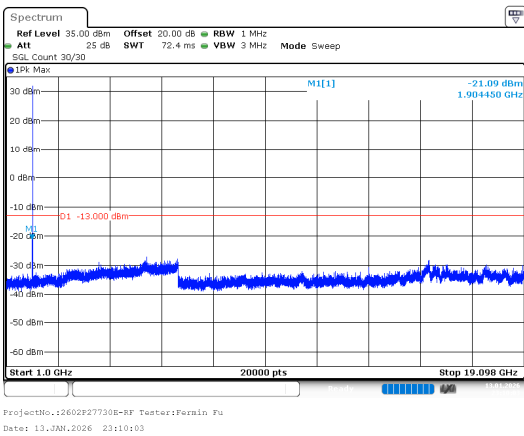


GSM_High

Below 1G



Above 1G



***** END *****