Appendix A: RF output power

Test Result

Band	Channel	Power (dBm)	Limit(dBm)	Verdict
GSM850	128	31.85	38.5	PASS
GSM850	190	32.08	38.5	PASS
GSM850	251	32.41	38.5	PASS

Band	Channel	Slot	Power(dBm)	Limit(dBm)	Verdict
GPRS850	128	1	31.98	38.5	PASS
GPRS850	128	2	29.91	38.5	PASS
GPRS850	128	3	28.01	38.5	PASS
GPRS850	128	4	25.82	38.5	PASS
GPRS850	190	1	32.08	38.5	PASS
GPRS850	190	2	30.04	38.5	PASS
GPRS850	190	3	28.14	38.5	PASS
GPRS850	190	4	26.15	38.5	PASS
GPRS850	251	1	31.20	38.5	PASS
GPRS850	251	2	29.10	38.5	PASS
GPRS850	251	3	27.19	38.5	PASS
GPRS850	251	4	25.99	38.5	PASS

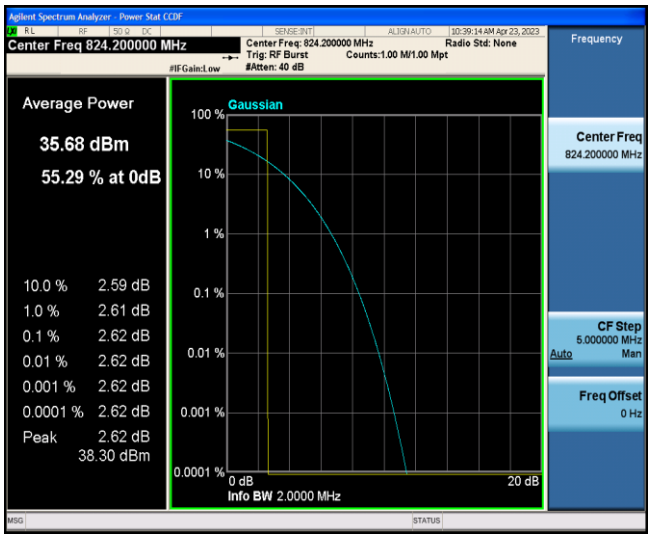
Band	Channel	Slot	Power(dBm)	Limit(dBm)	Verdict
EGPRS850	128	1	25.72	38.5	PASS
EGPRS850	128	2	24.83	38.5	PASS
EGPRS850	128	3	22.54	38.5	PASS
EGPRS850	128	4	19.98	38.5	PASS
EGPRS850	190	1	25.62	38.5	PASS
EGPRS850	190	2	24.82	38.5	PASS
EGPRS850	190	3	22.64	38.5	PASS
EGPRS850	190	4	20.01	38.5	PASS
EGPRS850	251	1	25.52	38.5	PASS
EGPRS850	251	2	24.68	38.5	PASS
EGPRS850	251	3	22.41	38.5	PASS
EGPRS850	251	4	19.81	38.5	PASS

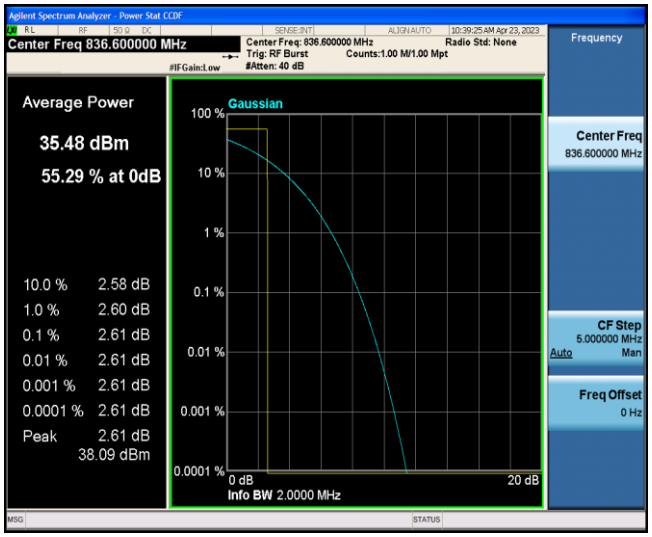
Appendix B: Peak-to-Average Ratio(CCDF)

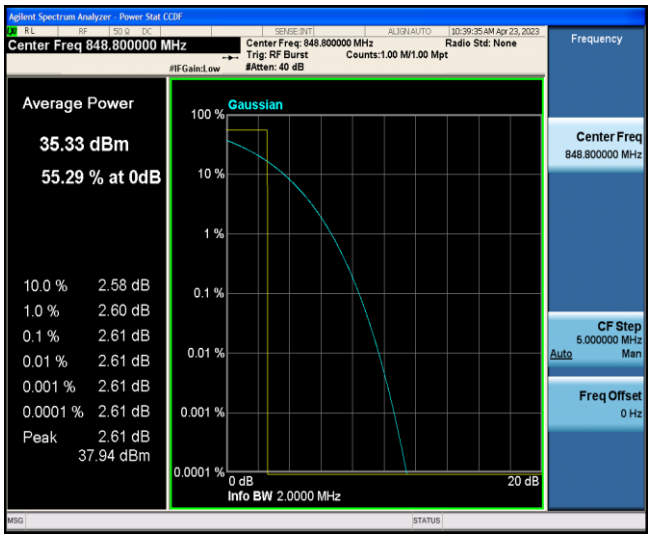
Test Result

Band	Channel	Result(dB)	Limit(dB)	Verdict
GSM850	128	2.62	13	PASS
GSM850	190	2.61	13	PASS
GSM850	251	2.61	13	PASS
GPRS850	128	2.61	13	PASS
GPRS850	190	2.61	13	PASS
GPRS850	251	2.61	13	PASS
EGPRS850	128	4.67	13	PASS
EGPRS850	190	4.75	13	PASS
EGPRS850	251	4.74	13	PASS

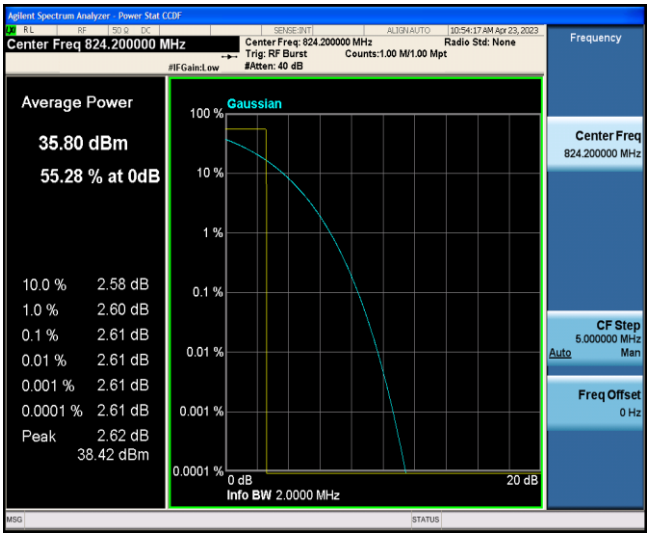
Test Graphs

GSM850-128-3


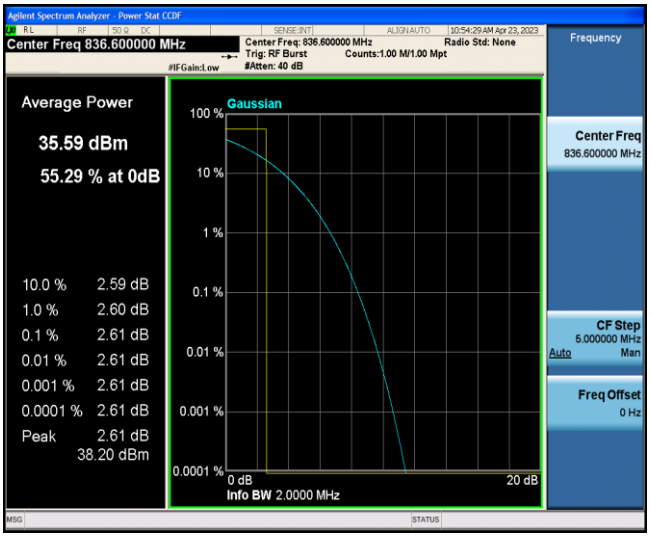
GSM850-190-3


GSM850-251-3


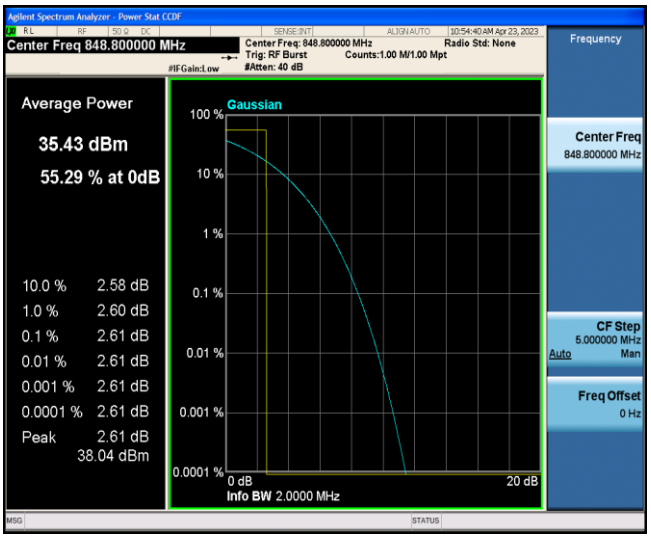
GPRS850-128-3



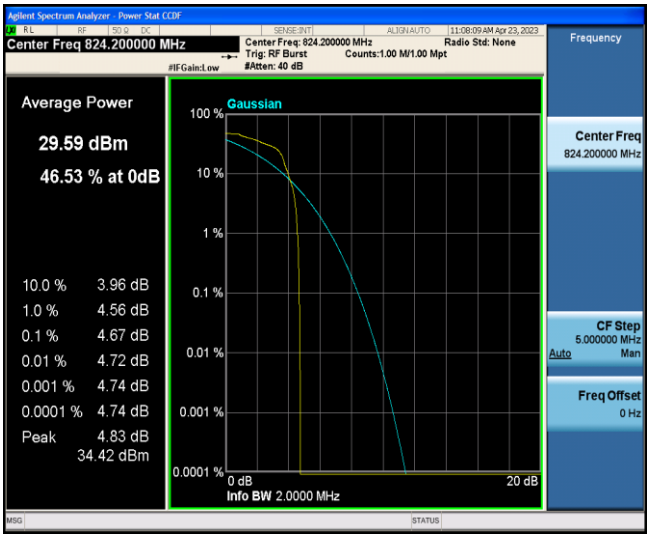
GPRS850-190-3



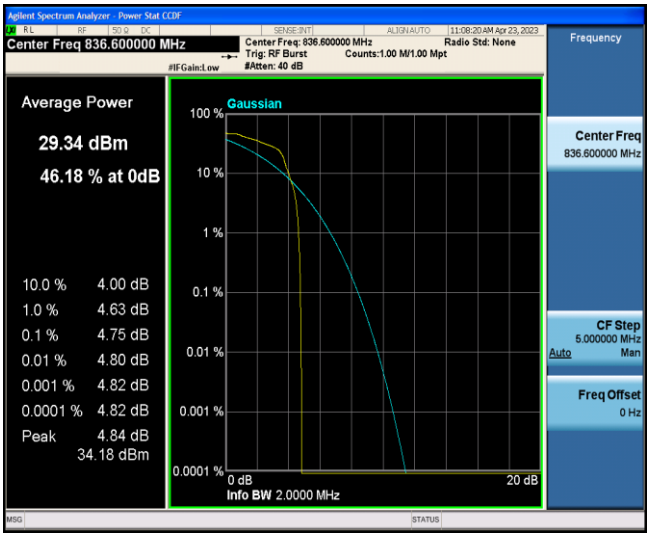
GPRS850-251-3



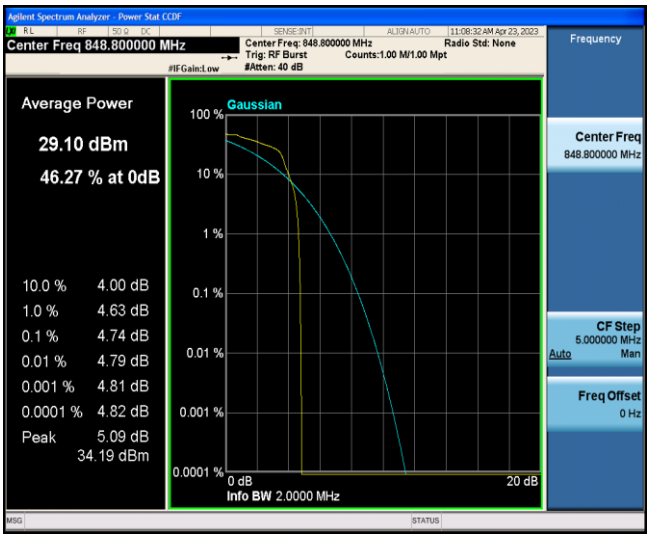
EGPRS850-128-8



EGPRS850-190-8



EGPRS850-251-8



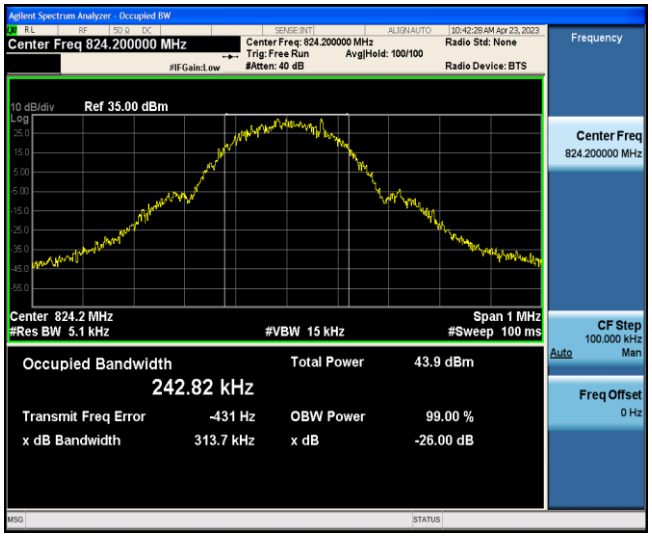
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

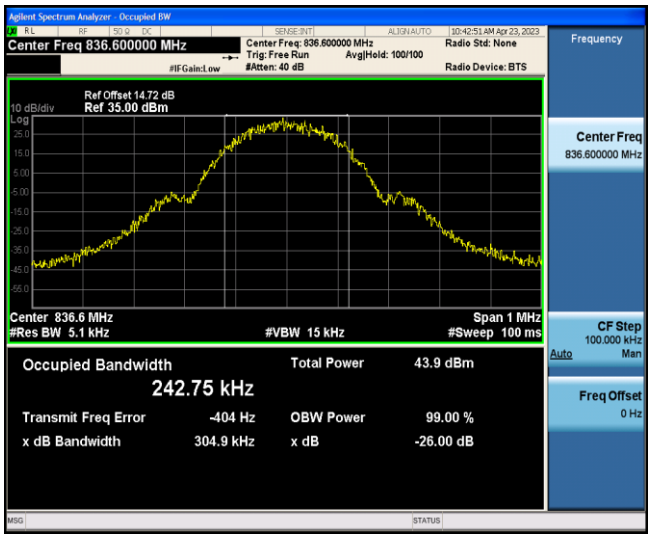
Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GSM850	128	0.24282	0.3137	---	PASS
GSM850	190	0.24275	0.3049	---	PASS
GSM850	251	0.24518	0.3131	---	PASS
GPRS850	128	0.24338	0.3112	---	PASS
GPRS850	190	0.24203	0.3165	---	PASS
GPRS850	251	0.24473	0.3195	---	PASS
EGPRS850	128	0.26431	0.3489	---	PASS
EGPRS850	190	0.26295	0.3348	---	PASS
EGPRS850	251	0.26070	0.3275	---	PASS

Test Graphs

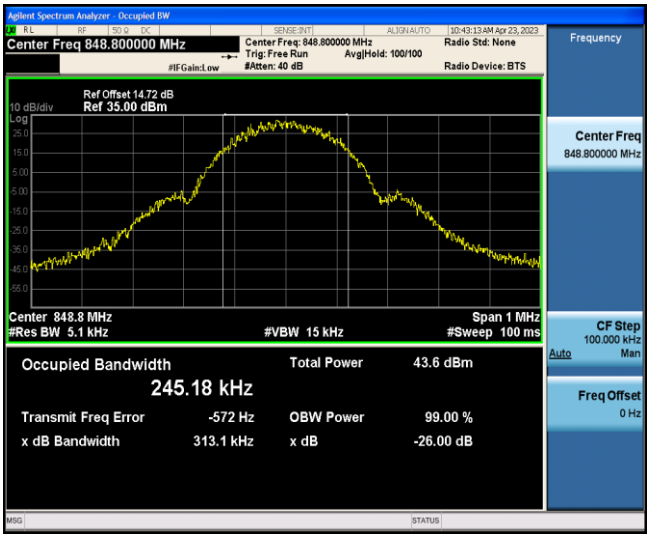
GSM850-128-3-0.3137



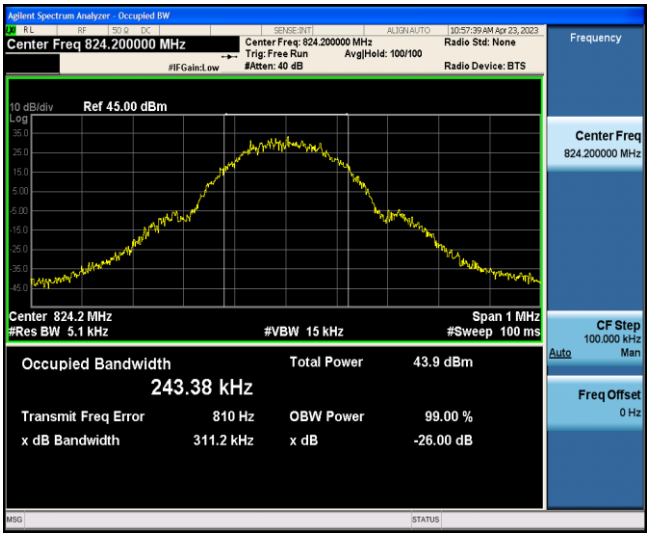
GSM850-190-3-0.3049



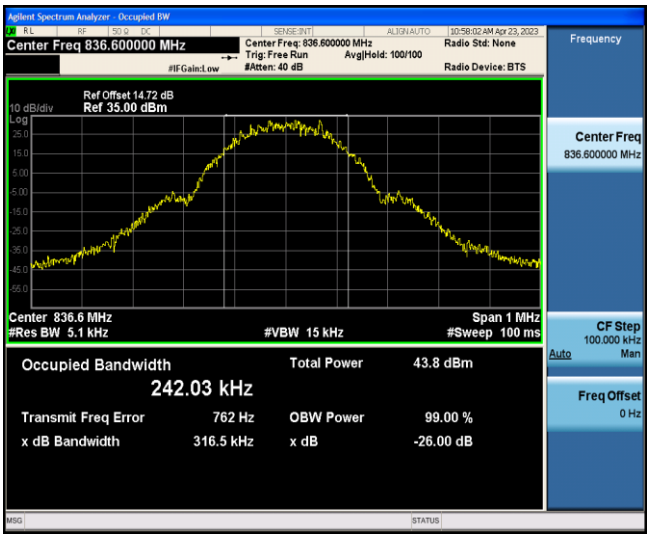
GSM850-251-3-0.3131



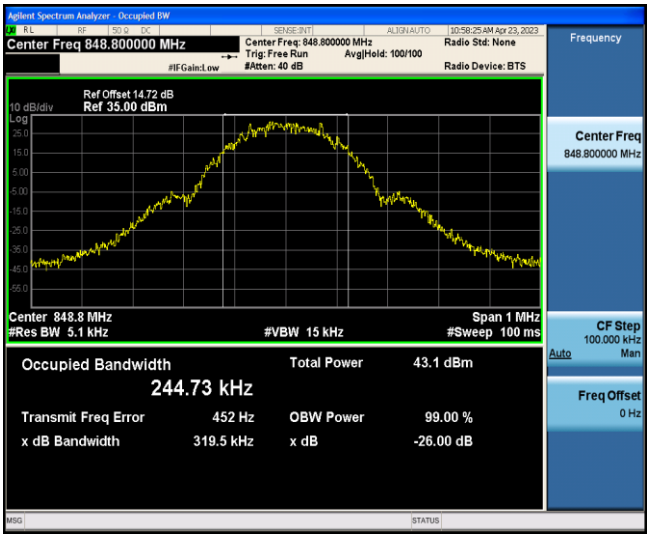
GPRS850-128-3-0.3112



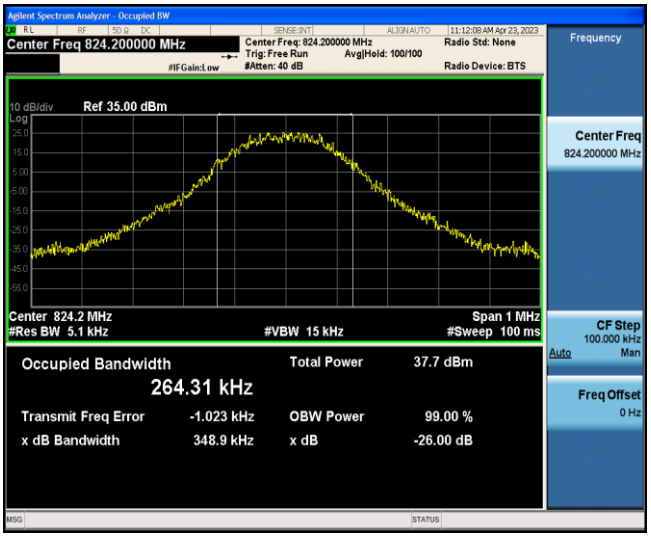
GPRS850-190-3-0.3165



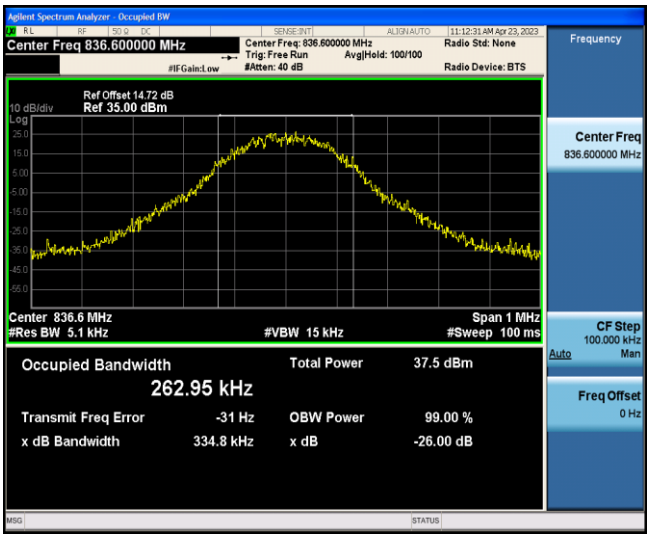
GPRS850-251-3-0.3195



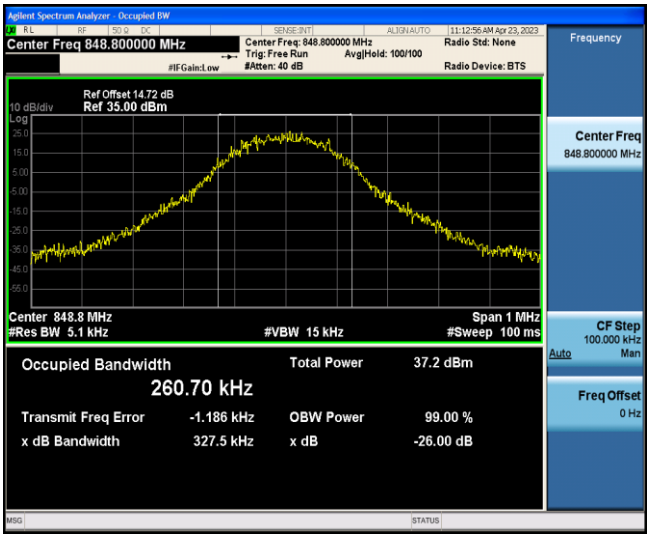
EGPRS850-128-8-0.3489



EGPRS850-190-8-0.3348



EGPRS850-251-8-0.3275


Agilent Spectrum Analyzer - Occupied BW
Center Freq 848.800000 MHz
Center Freq: 848.800000 MHz
Trig: Free Run
Avg|Hold: 100/100
#Atten: 40 dB
Radio Std: None
Radio Device: BTS
11:12:56 AM Apr 23, 2023
Frequency
Ref Offset 14.72 dB
10 dB/div
Ref 35.00 dBm
Center 848.8 MHz
Span 1 MHz
#Res BW 5.1 kHz
#VBW 15 kHz
#Sweep 100 ms
Occupied Bandwidth
260.70 kHz
Total Power 37.2 dBm
Transmit Freq Error -1.186 kHz
OBW Power 99.00 %
x dB Bandwidth 327.5 kHz
x dB -26.00 dB
Center Freq
848.800000 MHz
CF Step
100.000 kHz
Auto
Man
Freq Offset
0 Hz

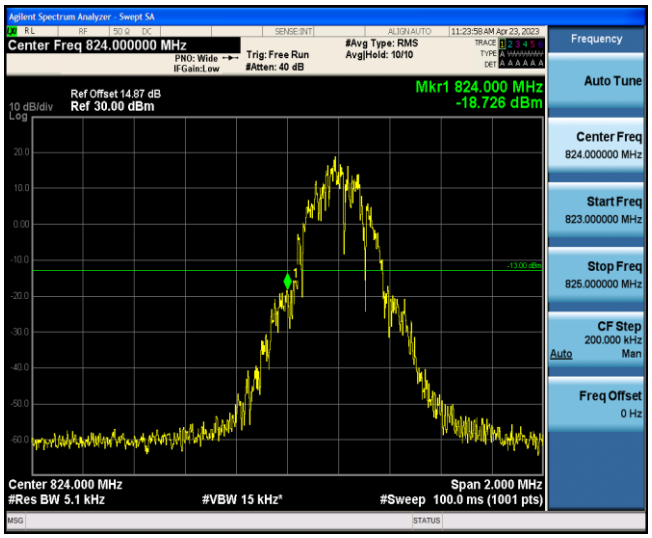
Appendix D: Band Edge

Test Result

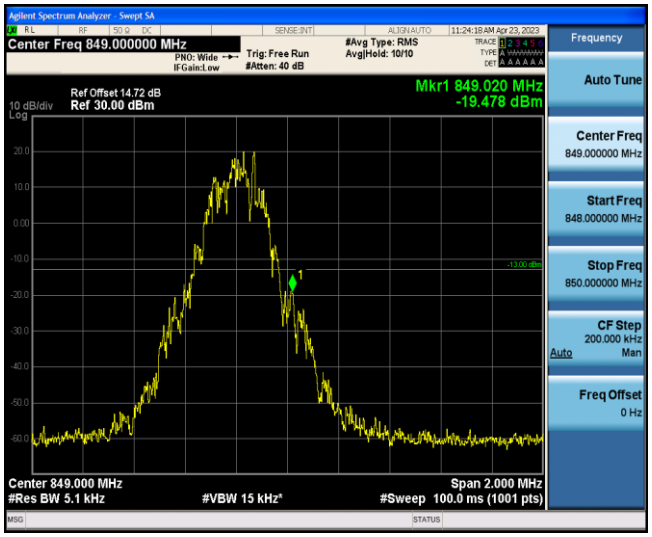
Band	Channel	Freq (MHz)	Result (dBm)	Limit(dBm)	Verdict
GSM850	128	824.00	-18.37	-13	PASS
GSM850	251	849.02	-17.32	-13	PASS
GPRS850	128	823.99	-17.68	-13	PASS
GPRS850	251	849.02	-18.19	-13	PASS
EGPRS850	128	823.99	-22.51	-13	PASS
EGPRS850	251	849.01	-22.21	-13	PASS

Test Graphs

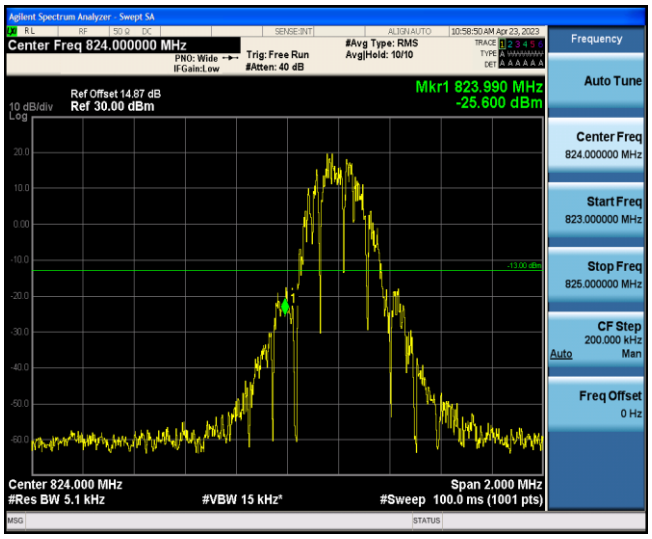
GSM850-128-3



GSM850-251-3

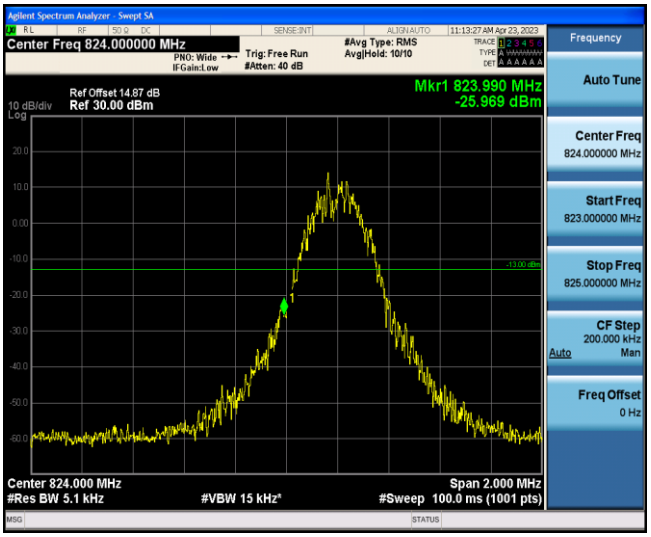


GPRS850-128-3



GPRS850-251-3

EGPRS850-128-8



EGPRS850-251-8

Appendix E: Conducted Spurious Emission

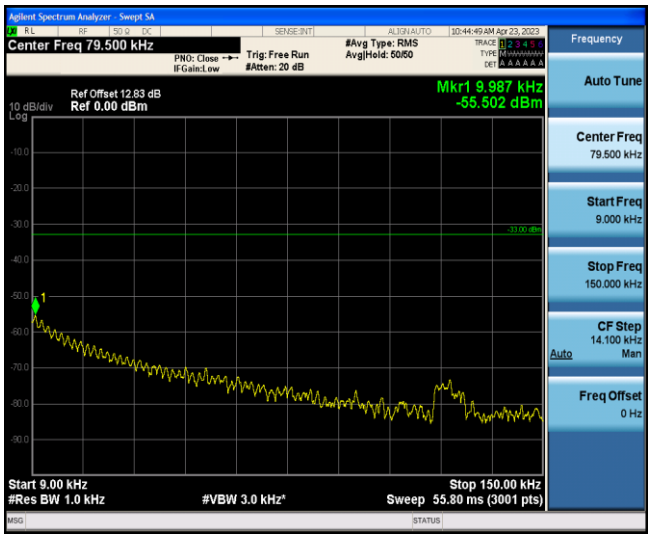
Test Result

Band	Channel	Frequency Range(MHz)	Max.Freq. (MHz)	Result (dBm)	Limit (dBm)	Verdict
GSM850	128	0.009~0.15MHz	0.01	-55.5	-33	PASS
GSM850	128	0.15~30MHz	17.49	-50.57	-13	PASS
GSM850	128	30~1000MHz	702.31	-32.44	-13	PASS
GSM850	128	1000~3000MHz	1697.87	-29.01	-13	PASS
GSM850	128	3000~10000MHz	4244.37	-37.91	-13	PASS
GSM850	190	0.009~0.15MHz	0.01	-55.69	-33	PASS
GSM850	190	0.15~30MHz	5.3	-50.09	-13	PASS
GSM850	190	30~1000MHz	512.51	-32.27	-13	PASS
GSM850	190	1000~3000MHz	1697.67	-28.49	-13	PASS
GSM850	190	3000~10000MHz	4244.13	-37.67	-13	PASS
GSM850	251	0.009~0.15MHz	0.01	-55.76	-33	PASS
GSM850	251	0.15~30MHz	4.92	-50.13	-13	PASS
GSM850	251	30~1000MHz	991.5	-32.59	-13	PASS
GSM850	251	1000~3000MHz	1697.67	-28.44	-13	PASS
GSM850	251	3000~10000MHz	3395.27	-35.12	-13	PASS
GPRS850	128	0.009~0.15MHz	0.01	-55.29	-33	PASS
GPRS850	128	0.15~30MHz	7.54	-50.12	-13	PASS
GPRS850	128	30~1000MHz	412.57	-31.6	-13	PASS
GPRS850	128	1000~3000MHz	1698	-30.02	-13	PASS
GPRS850	128	3000~10000MHz	4244.13	-36.94	-13	PASS
GPRS850	190	0.009~0.15MHz	0.01	-55.31	-33	PASS
GPRS850	190	0.15~30MHz	18.97	-51.38	-13	PASS
GPRS850	190	30~1000MHz	964.24	-32.34	-13	PASS
GPRS850	190	1000~3000MHz	1697.6	-28.13	-13	PASS
GPRS850	190	3000~10000MHz	3395.27	-35.19	-13	PASS
GPRS850	251	0.009~0.15MHz	0.01	-55.43	-33	PASS
GPRS850	251	0.15~30MHz	6.15	-50.53	-13	PASS
GPRS850	251	30~1000MHz	473.16	-32.54	-13	PASS
GPRS850	251	1000~3000MHz	1697.67	-28.43	-13	PASS
GPRS850	251	3000~10000MHz	3395.03	-35.28	-13	PASS
EGPRS850	128	0.009~0.15MHz	0.03	-60.52	-33	PASS
EGPRS850	128	0.15~30MHz	16.97	-50.93	-13	PASS
EGPRS850	128	30~1000MHz	435.27	-25.58	-13	PASS
EGPRS850	128	1000~3000MHz	2998.33	-37	-13	PASS
EGPRS850	128	3000~10000MHz	4684.67	-46.49	-13	PASS

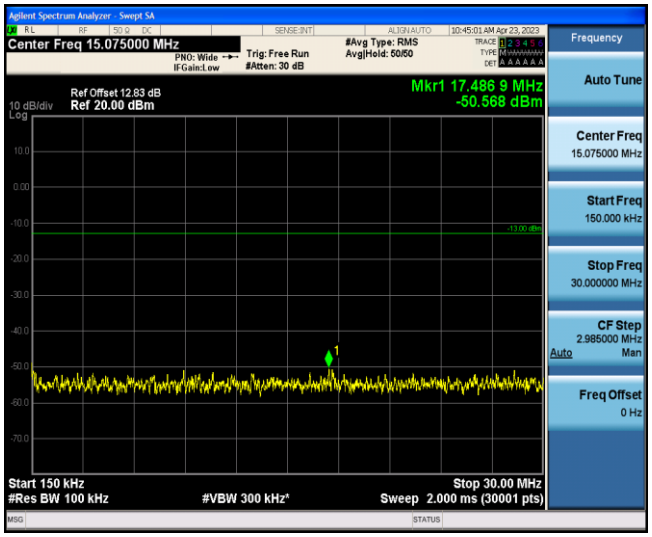
EGPRS850	190	0.009~0.15MHz	0.02	-60.19	-33	PASS
EGPRS850	190	0.15~30MHz	11.7	-50.54	-13	PASS
EGPRS850	190	30~1000MHz	634.57	-32.13	-13	PASS
EGPRS850	190	1000~3000MHz	1673.93	-35.93	-13	PASS
EGPRS850	190	3000~10000MHz	4695.4	-46.62	-13	PASS
EGPRS850	251	0.009~0.15MHz	0.07	-59.2	-33	PASS
EGPRS850	251	0.15~30MHz	28.34	-50.46	-13	PASS
EGPRS850	251	30~1000MHz	436.69	-27.94	-13	PASS
EGPRS850	251	1000~3000MHz	1673.87	-36.6	-13	PASS
EGPRS850	251	3000~10000MHz	4697.03	-46.39	-13	PASS

Test Graphs

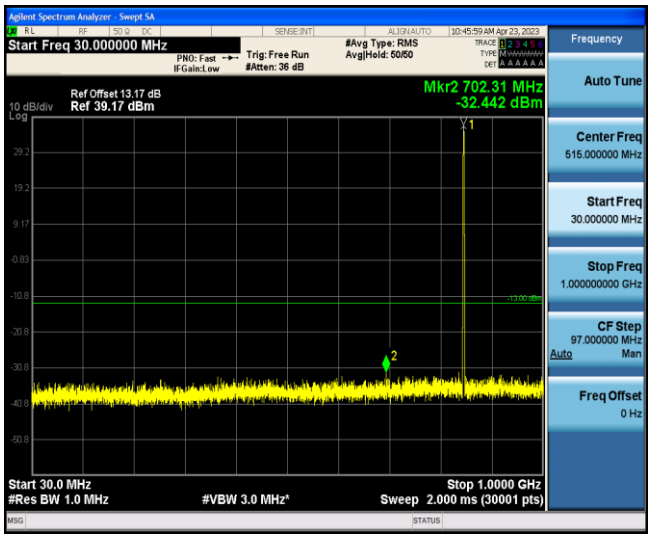
GSM850-128-3-0.009~0.15MHz



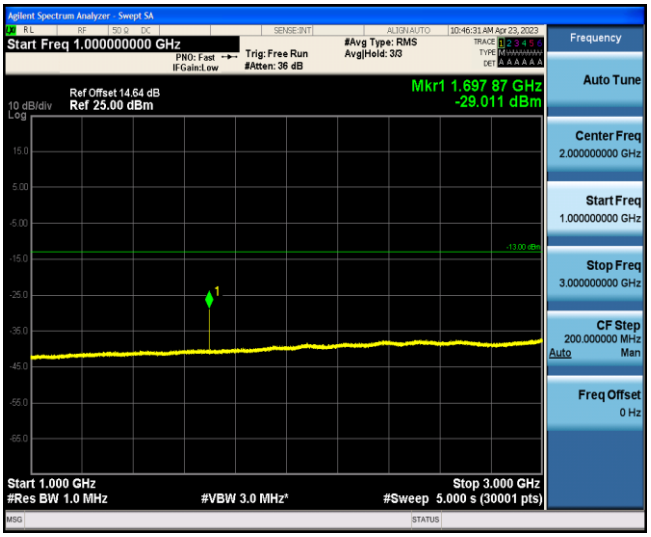
GSM850-128-3-0.15~30MHz



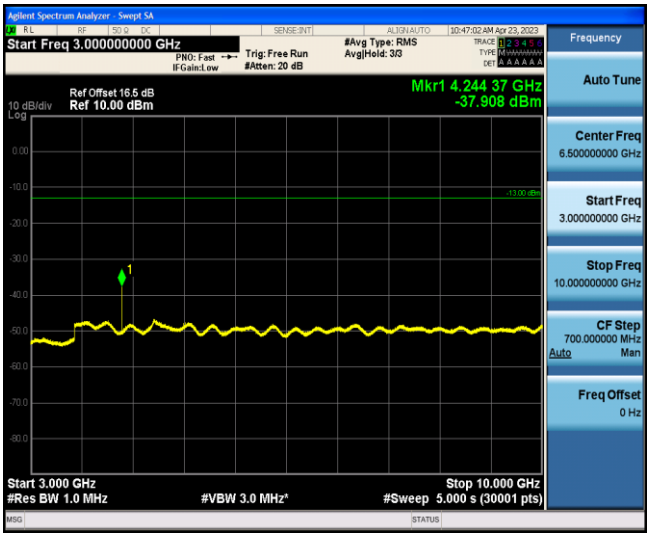
GSM850-128-3-30~1000MHz



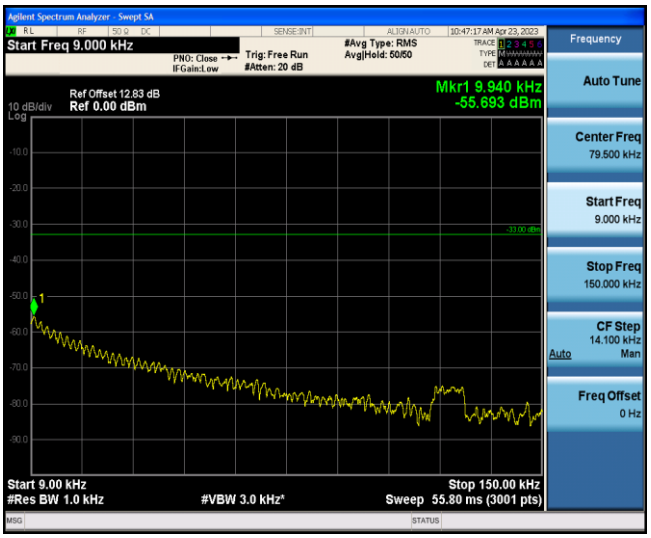
GSM850-128-3-1000~3000MHz



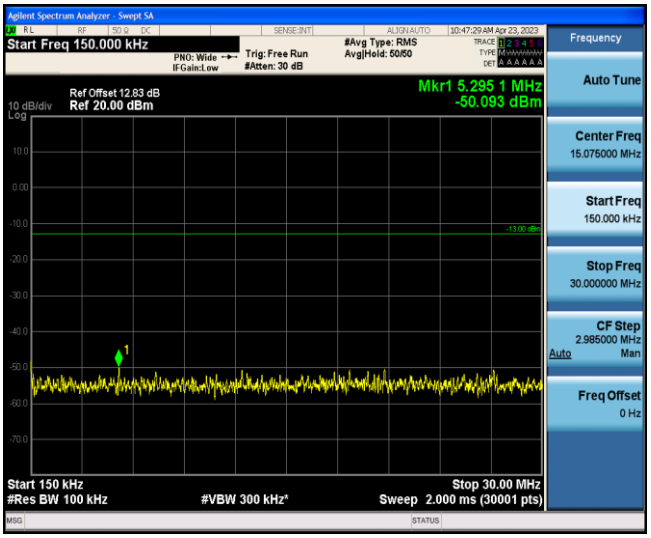
GSM850-128-3-3000~10000MHz



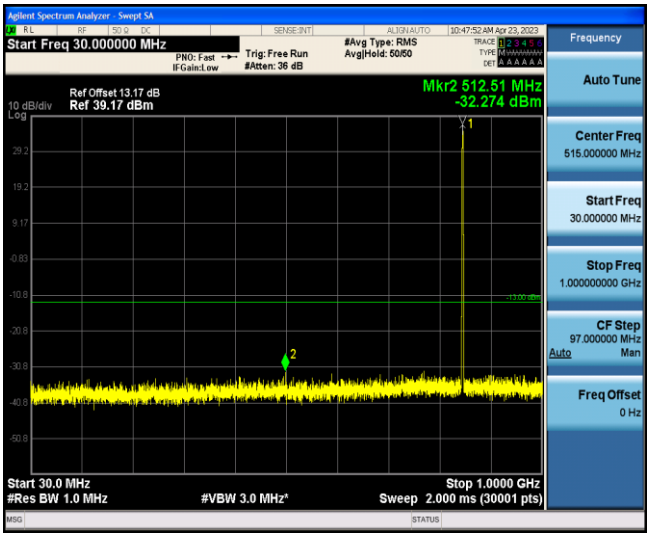
GSM850-190-3-0.009~0.15MHz



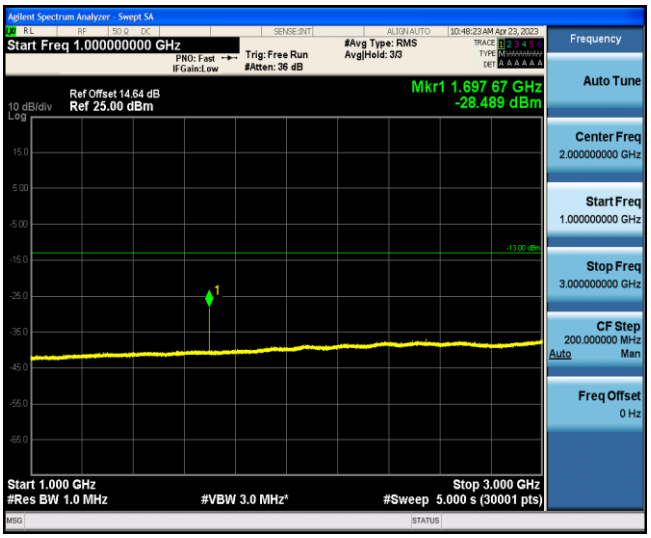
GSM850-190-3-0.15~30MHz



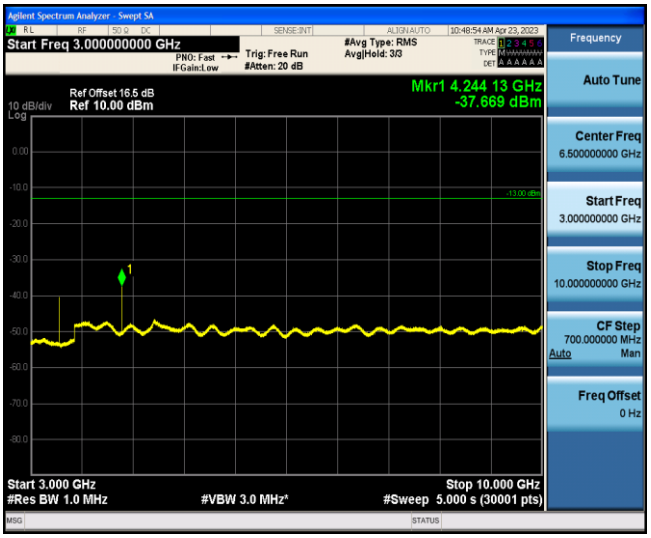
GSM850-190-3-30~1000MHz



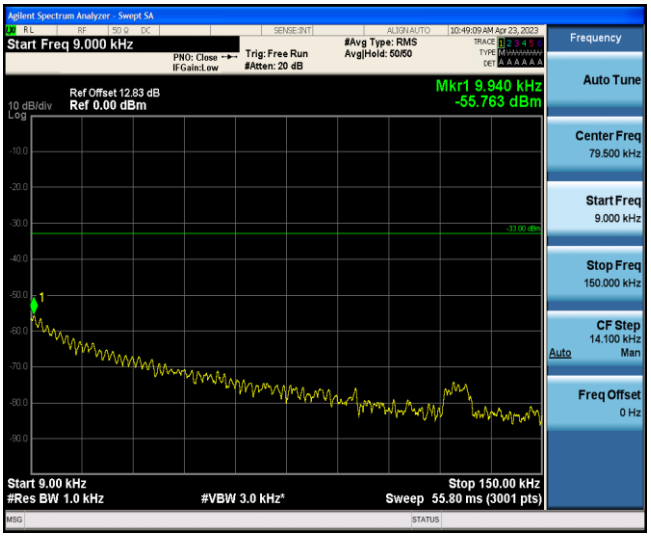
GSM850-190-3-1000~3000MHz



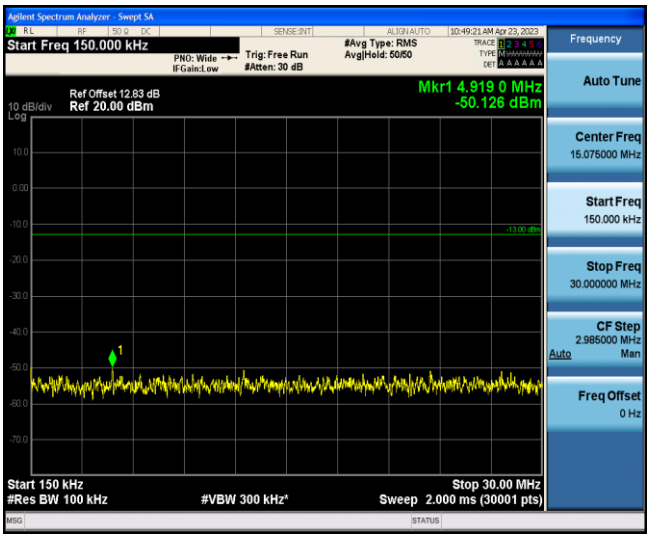
GSM850-190-3-3000~10000MHz



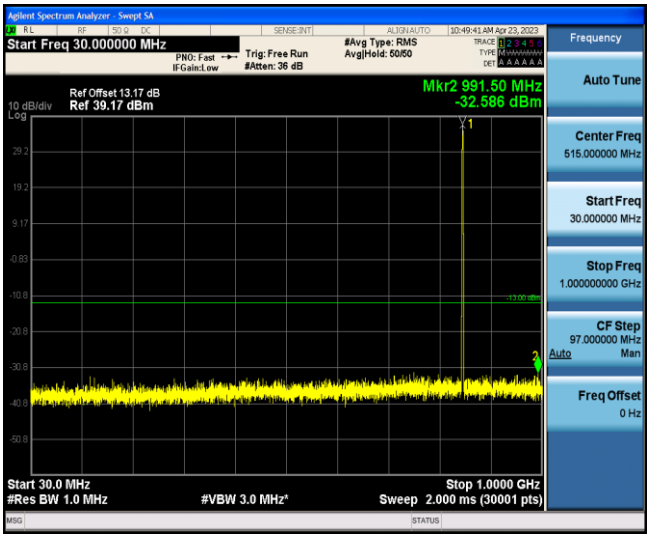
GSM850-251-3-0.009~0.15MHz



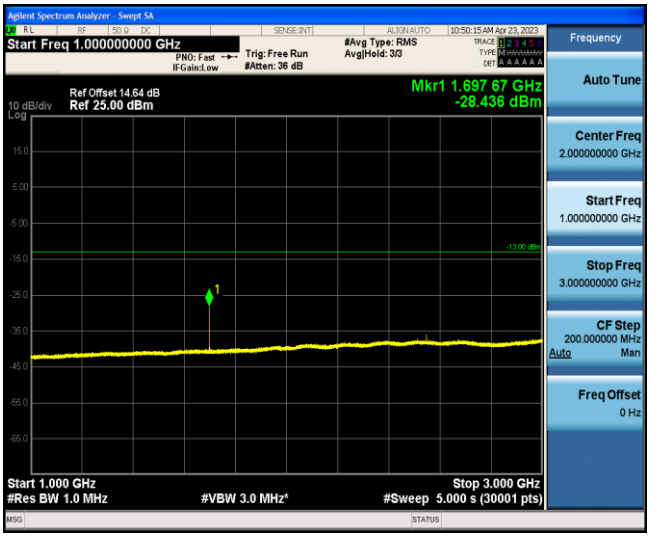
GSM850-251-3-0.15~30MHz



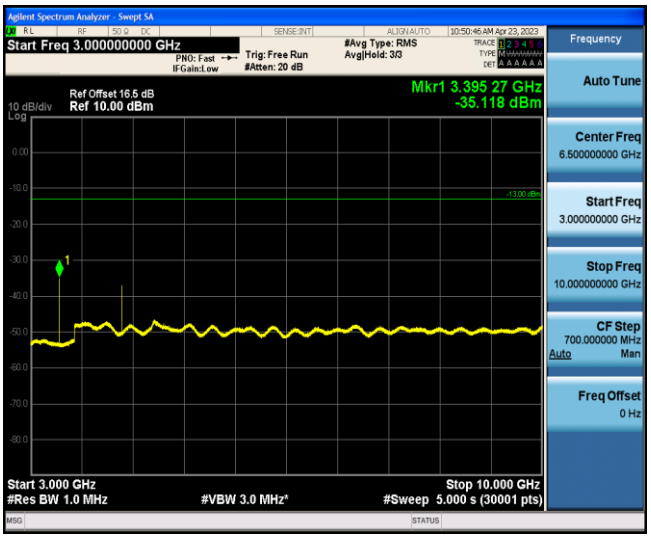
GSM850-251-3-30~1000MHz



GSM850-251-3-1000~3000MHz



GSM850-251-3-3000~10000MHz



GPRS850-128-3-0.009~0.15MHz