

Appendix Test Data

Report No:	1812C50133012504	Test Sample NO:	1-2-2
Start Test Date:	2025-04-02	Finish Test Date:	2025-04-26
Test Engineer:	<i>Joker Huang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	24.3°C	Relative Humidity:	56%
Pressure:	101 kPa		

Appendix A: Conducted Output Power

Test Result

Band	Channel	Up Slot Num	Power(dBm)	Limit(dBm)	Verdict
GPRS1900	512	1	27.55	33	PASS
GPRS1900	512	2	26.80	33	PASS
GPRS1900	512	3	25.52	33	PASS
GPRS1900	512	4	24.41	33	PASS
GPRS1900	661	1	27.77	33	PASS
GPRS1900	661	2	27.00	33	PASS
GPRS1900	661	3	25.63	33	PASS
GPRS1900	661	4	24.47	33	PASS
GPRS1900	810	1	27.43	33	PASS
GPRS1900	810	2	26.56	33	PASS
GPRS1900	810	3	25.14	33	PASS
GPRS1900	810	4	23.91	33	PASS

Band	Channel	Up Slot Num	Power(dBm)	Limit(dBm)	Verdict
EGPRS1900	512	1	24.57	33	PASS
EGPRS1900	512	2	23.94	33	PASS
EGPRS1900	512	3	22.56	33	PASS
EGPRS1900	512	4	21.28	33	PASS
EGPRS1900	661	1	24.38	33	PASS
EGPRS1900	661	2	23.69	33	PASS
EGPRS1900	661	3	22.30	33	PASS
EGPRS1900	661	4	20.91	33	PASS
EGPRS1900	810	1	23.92	33	PASS
EGPRS1900	810	2	23.22	33	PASS
EGPRS1900	810	3	21.74	33	PASS
EGPRS1900	810	4	20.34	33	PASS

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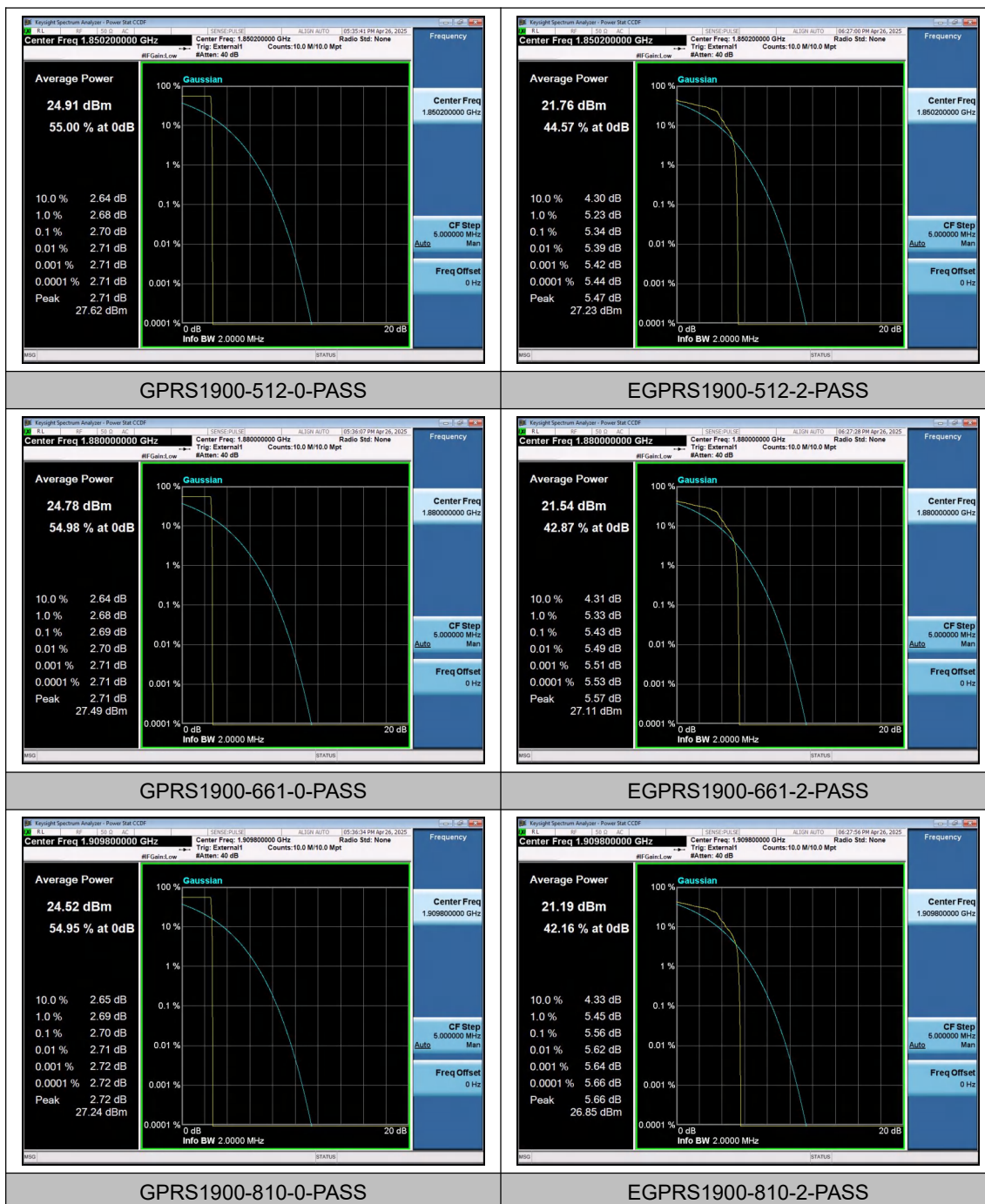
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Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

Band	Channel	Result(dB)	Limit(dB)	Verdict
GPRS1900	512	2.70	13	PASS
EGPRS1900	512	5.34	13	PASS
GPRS1900	661	2.69	13	PASS
EGPRS1900	661	5.43	13	PASS
GPRS1900	810	2.70	13	PASS
EGPRS1900	810	5.56	13	PASS

Test Graphs



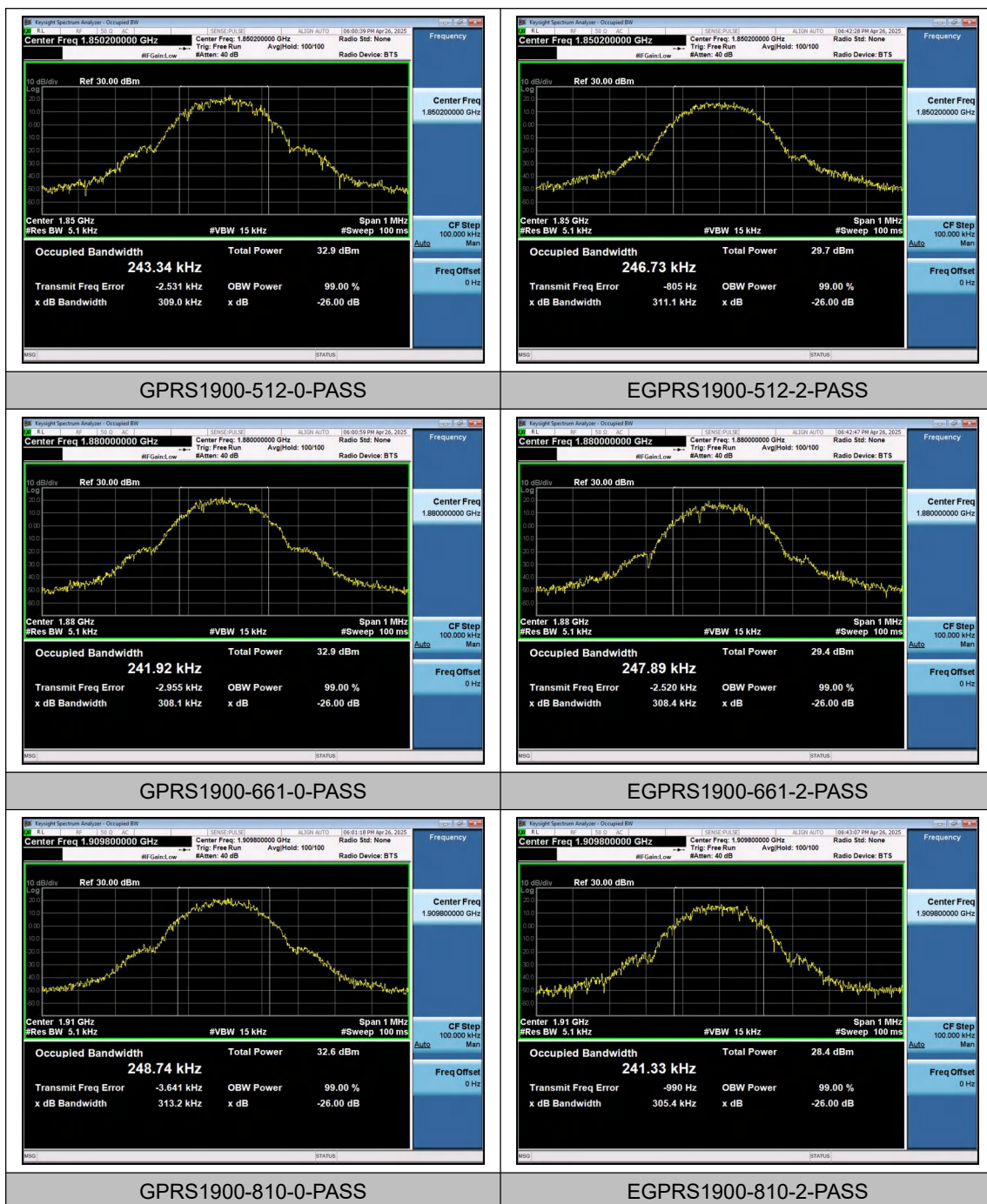
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GPRS1900	512	0.24334	0.3090	---	PASS
EGPRS1900	512	0.24673	0.3111	---	PASS
GPRS1900	661	0.24192	0.3081	---	PASS
EGPRS1900	661	0.24789	0.3084	---	PASS
GPRS1900	810	0.24874	0.3132	---	PASS
EGPRS1900	810	0.24133	0.3054	---	PASS



Test Graphs



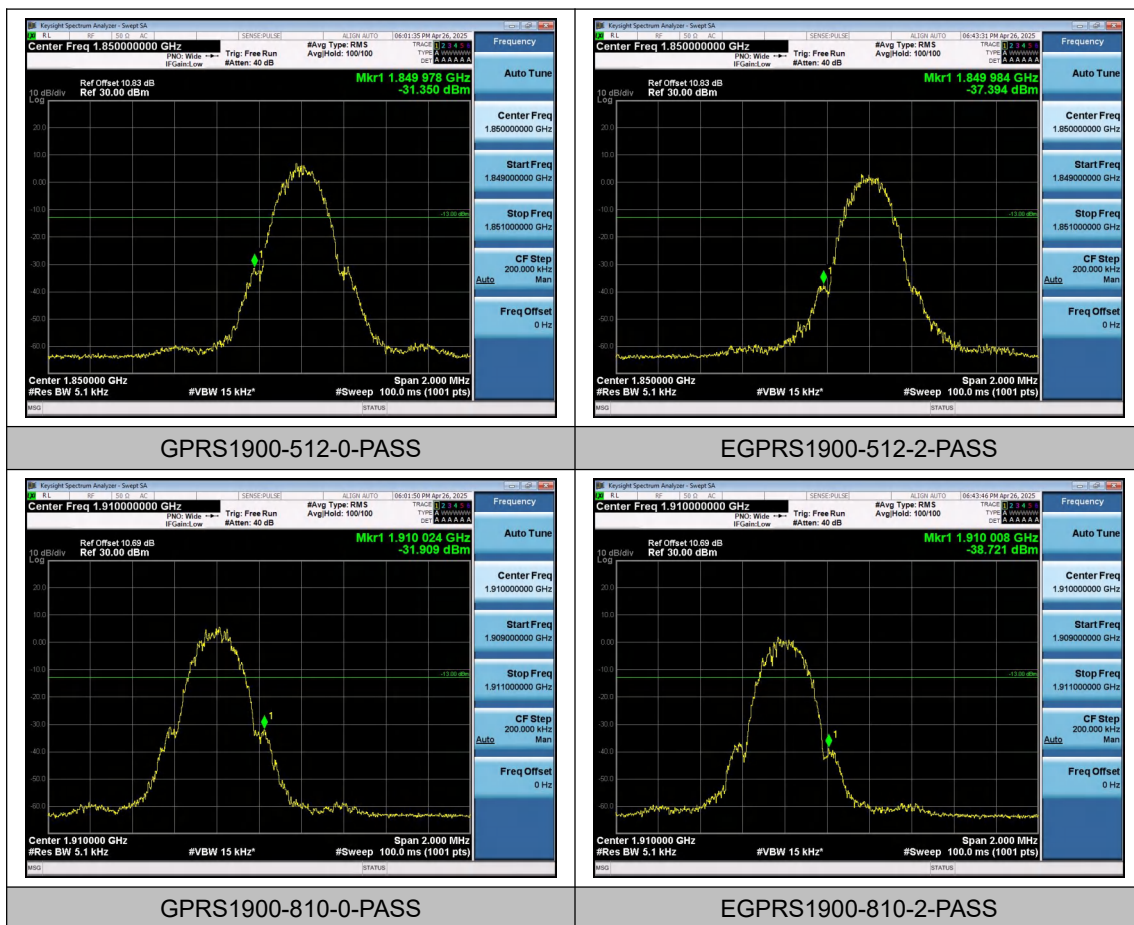
Appendix D: Band Edge

Test Result

Band	Channel	Freq (MHz)	Result (dBm)	Limit(dBm)	Verdict
GPRS1900	512	1849.98	-31.35	-13	PASS
EGPRS1900	512	1849.98	-37.39	-13	PASS
GPRS1900	810	1910.02	-31.91	-13	PASS
EGPRS1900	810	1910.01	-38.72	-13	PASS



Test Graphs



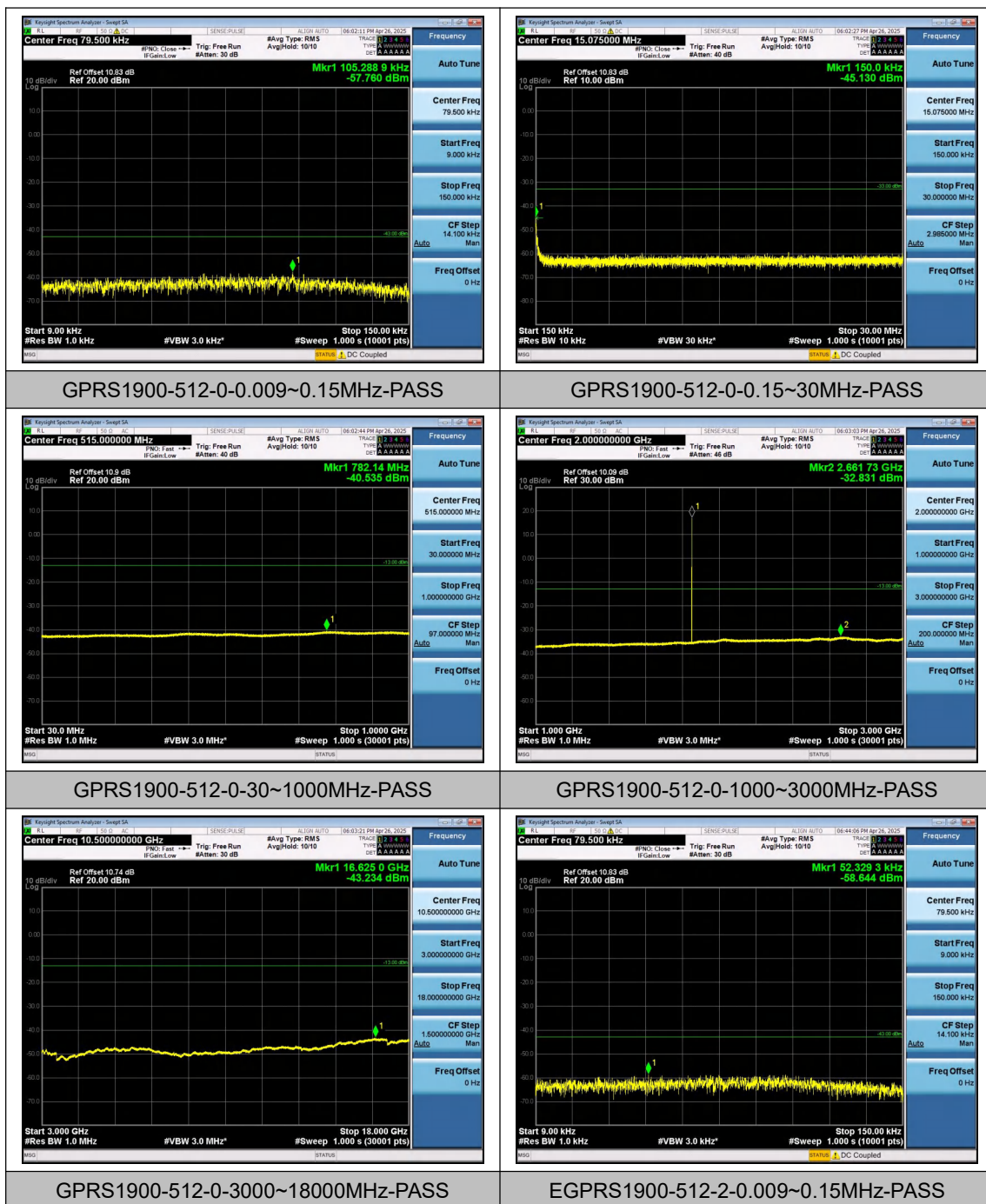
Appendix E: Conducted Spurious Emission

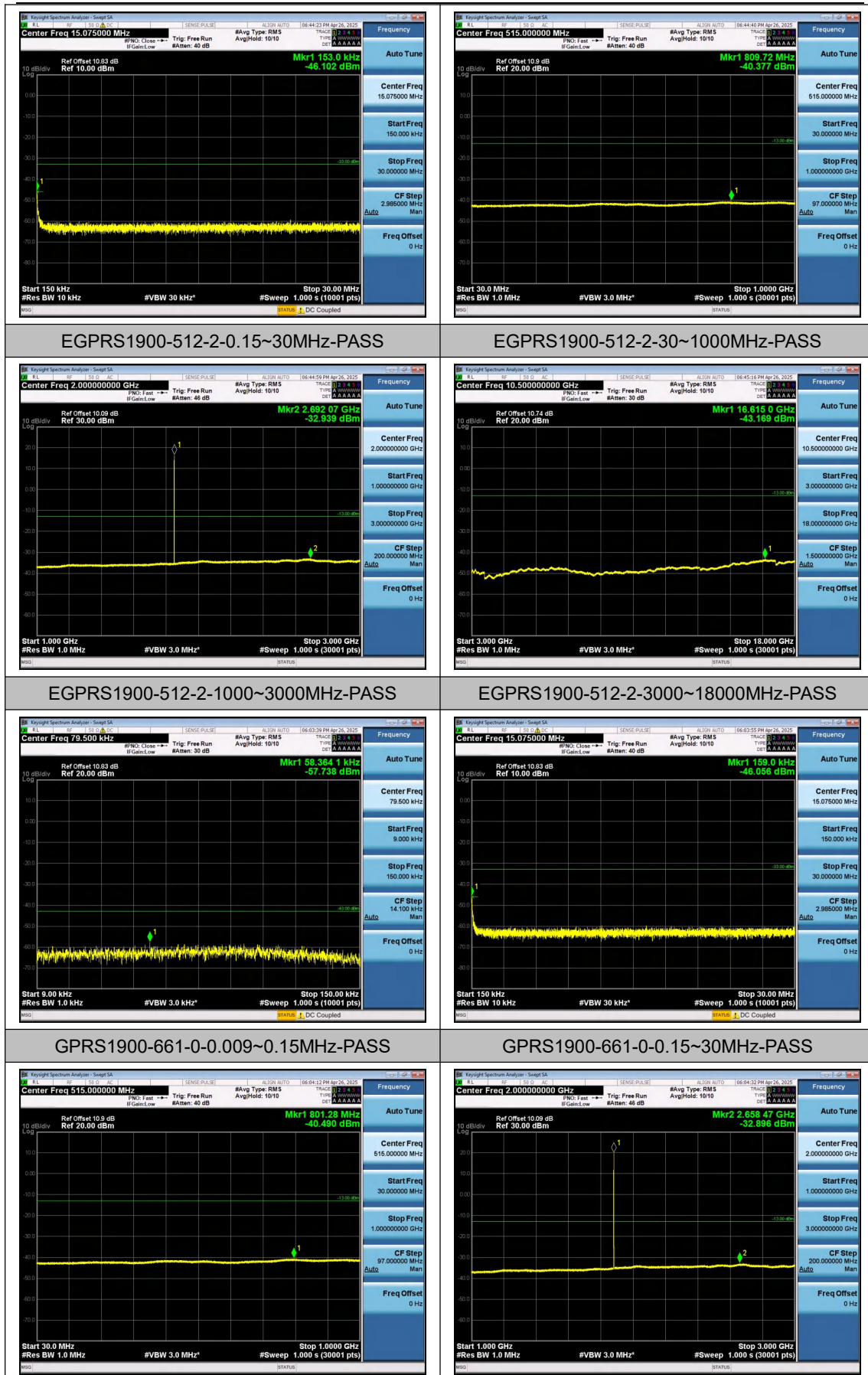
Test Result

Band	Channel	Frequency Range(MHz)	Max.Freq. (MHz)	Result (dBm)	Limit (dBm)	Verdict
GPRS1900	512	0.009~0.15MHz	0.11	-57.76	-43	PASS
GPRS1900	512	0.15~30MHz	0.15	-45.13	-33	PASS
GPRS1900	512	30~1000MHz	782.14	-40.54	-13	PASS
GPRS1900	512	1000~3000MHz	2661.73	-32.83	-13	PASS
GPRS1900	512	3000~18000MHz	16625	-43.23	-13	PASS
EGPRS1900	512	0.009~0.15MHz	0.05	-58.64	-43	PASS
EGPRS1900	512	0.15~30MHz	0.15	-46.1	-33	PASS
EGPRS1900	512	30~1000MHz	809.72	-40.38	-13	PASS
EGPRS1900	512	1000~3000MHz	2692.07	-32.94	-13	PASS
EGPRS1900	512	3000~18000MHz	16615	-43.17	-13	PASS
GPRS1900	661	0.009~0.15MHz	0.06	-57.74	-43	PASS
GPRS1900	661	0.15~30MHz	0.16	-46.06	-33	PASS
GPRS1900	661	30~1000MHz	801.28	-40.49	-13	PASS
GPRS1900	661	1000~3000MHz	2658.47	-32.9	-13	PASS
GPRS1900	661	3000~18000MHz	16558.5	-43.3	-13	PASS
EGPRS1900	661	0.009~0.15MHz	0.08	-57.98	-43	PASS
EGPRS1900	661	0.15~30MHz	0.15	-44.99	-33	PASS
EGPRS1900	661	30~1000MHz	805.06	-40.66	-13	PASS
EGPRS1900	661	1000~3000MHz	2662.4	-32.88	-13	PASS
EGPRS1900	661	3000~18000MHz	16579.5	-43.21	-13	PASS
GPRS1900	810	0.009~0.15MHz	0.09	-57.52	-43	PASS
GPRS1900	810	0.15~30MHz	0.15	-44.85	-33	PASS
GPRS1900	810	30~1000MHz	803.67	-40.59	-13	PASS
GPRS1900	810	1000~3000MHz	2674.73	-32.94	-13	PASS
GPRS1900	810	3000~18000MHz	16613.5	-43.26	-13	PASS
EGPRS1900	810	0.009~0.15MHz	0.1	-58.59	-43	PASS
EGPRS1900	810	0.15~30MHz	0.15	-45.35	-33	PASS
EGPRS1900	810	30~1000MHz	945.03	-40.49	-13	PASS
EGPRS1900	810	1000~3000MHz	2666	-32.82	-13	PASS
EGPRS1900	810	3000~18000MHz	16573	-43.18	-13	PASS



Test Graphs





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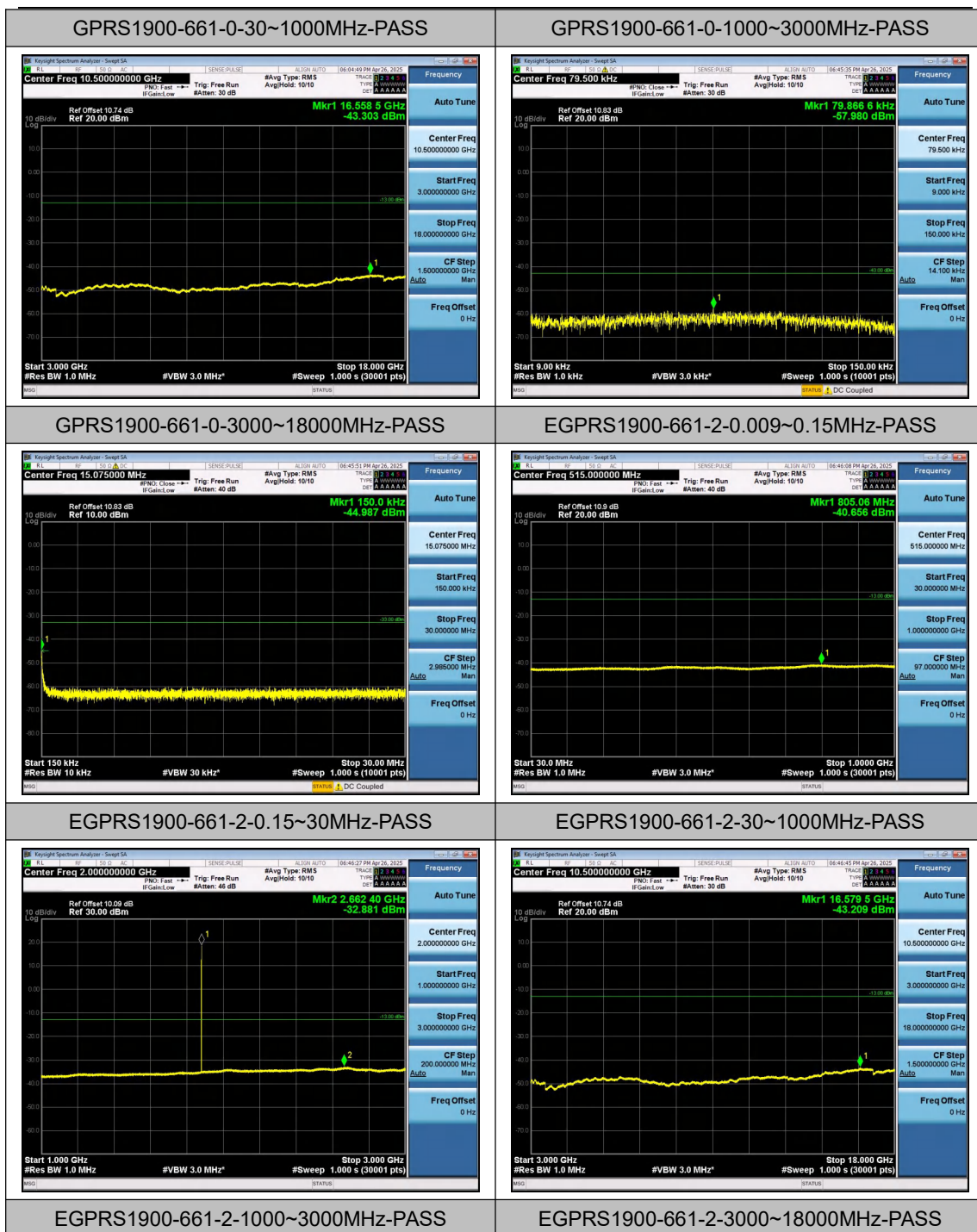
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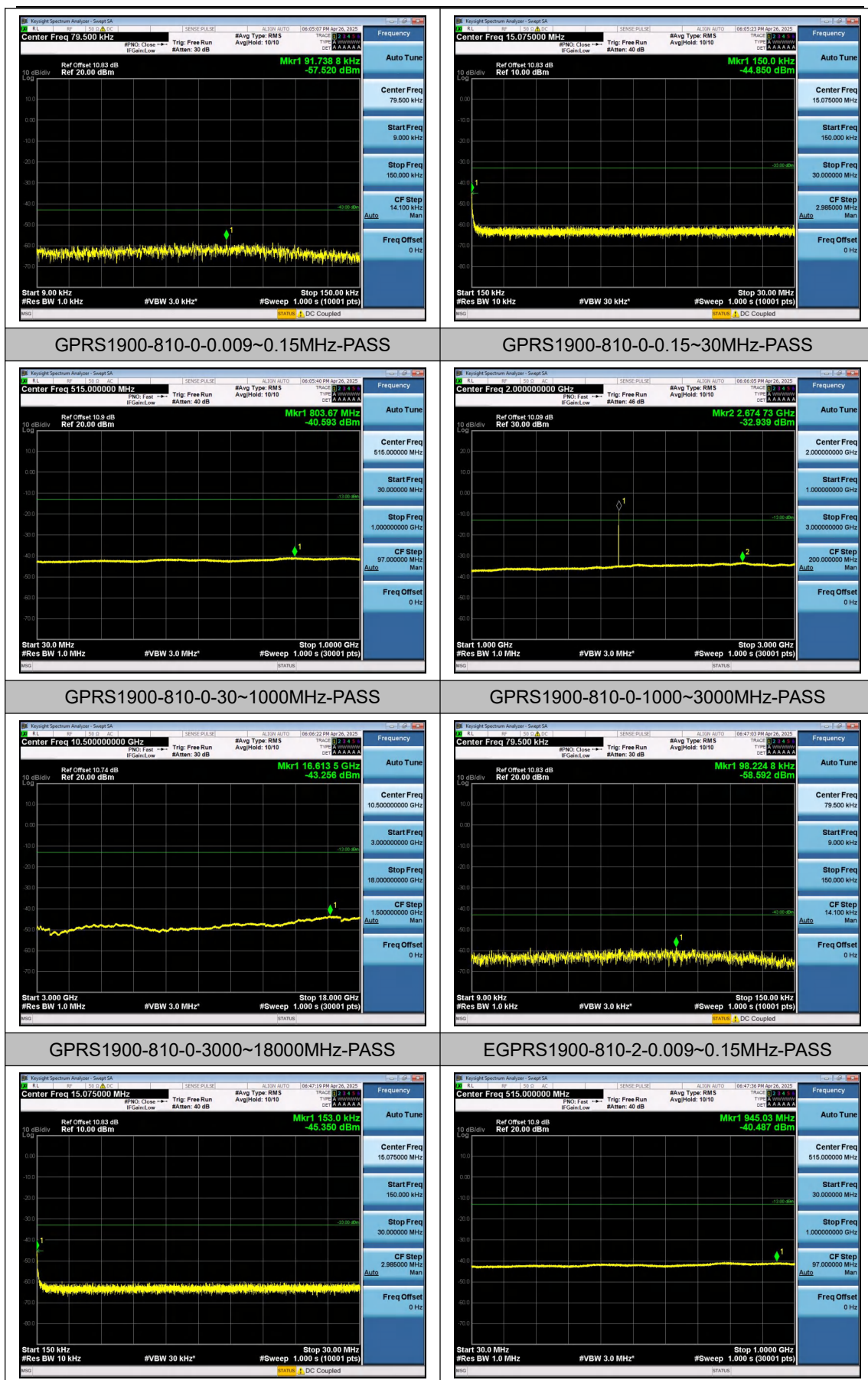
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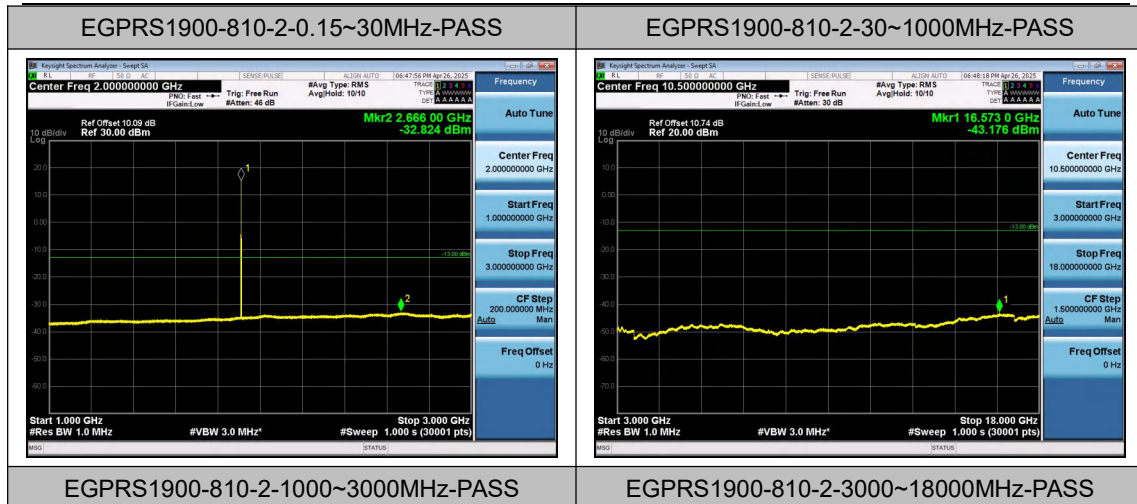


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Appendix F: Frequency Stability VS Voltage measurement

Test Result

Band	Channel	Voltage				Limit (ppm)	Verdict
		Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)		
GPRS1900	512	VN	NT	-1690.00	-0.913415	±2.5	PASS
GPRS1900	512	VL	NT	-1280.00	-0.691817	±2.5	PASS
GPRS1900	512	VH	NT	-1080.00	-0.583721	±2.5	PASS
EGPRS1900	512	VN	NT	-1850.00	-0.999892	±2.5	PASS
EGPRS1900	512	VL	NT	-1980.00	-1.070155	±2.5	PASS
EGPRS1900	512	VH	NT	-1400.00	-0.756675	±2.5	PASS
GPRS1900	661	VN	NT	-2190.00	-1.164894	±2.5	PASS
GPRS1900	661	VL	NT	-1120.00	-0.595745	±2.5	PASS
GPRS1900	661	VH	NT	-530.00	-0.281915	±2.5	PASS
EGPRS1900	661	VN	NT	-2300.00	-1.223404	±2.5	PASS
EGPRS1900	661	VL	NT	-470.00	-0.250000	±2.5	PASS
EGPRS1900	661	VH	NT	-1720.00	-0.914894	±2.5	PASS
GPRS1900	810	VN	NT	-1030.00	-0.539323	±2.5	PASS
GPRS1900	810	VL	NT	-1410.00	-0.738297	±2.5	PASS
GPRS1900	810	VH	NT	-2360.00	-1.235731	±2.5	PASS
EGPRS1900	810	VN	NT	-1810.00	-0.947743	±2.5	PASS
EGPRS1900	810	VL	NT	-2580.00	-1.350927	±2.5	PASS
EGPRS1900	810	VH	NT	-1340.00	-0.701644	±2.5	PASS



Appendix G: Frequency Stability VS Temperature

measurement

Test Result

Temperature							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GPRS1900	512	NV	-30	-1800.00	-0.972868	±2.5	PASS
GPRS1900	512	NV	-20	-1610.00	-0.870176	±2.5	PASS
GPRS1900	512	NV	-10	-1920.00	-1.037726	±2.5	PASS
GPRS1900	512	NV	0	-2390.00	-1.291752	±2.5	PASS
GPRS1900	512	NV	10	-1810.00	-0.978273	±2.5	PASS
GPRS1900	512	NV	20	-1720.00	-0.929629	±2.5	PASS
GPRS1900	512	NV	30	-880.00	-0.475624	±2.5	PASS
GPRS1900	512	NV	40	-2520.00	-1.362015	±2.5	PASS
GPRS1900	512	NV	50	-1570.00	-0.848557	±2.5	PASS
EGPRS1900	512	NV	-30	-1840.00	-0.994487	±2.5	PASS
EGPRS1900	512	NV	-20	-1930.00	-1.043130	±2.5	PASS
EGPRS1900	512	NV	-10	-1910.00	-1.032321	±2.5	PASS
EGPRS1900	512	NV	0	-2360.00	-1.275538	±2.5	PASS
EGPRS1900	512	NV	10	-1650.00	-0.891795	±2.5	PASS
EGPRS1900	512	NV	20	-2480.00	-1.340396	±2.5	PASS
EGPRS1900	512	NV	30	-2000.00	-1.080964	±2.5	PASS
EGPRS1900	512	NV	40	-2100.00	-1.135012	±2.5	PASS
EGPRS1900	512	NV	50	-1320.00	-0.713436	±2.5	PASS
GPRS1900	661	NV	-30	-1000.00	-0.531915	±2.5	PASS
GPRS1900	661	NV	-20	-1800.00	-0.957447	±2.5	PASS
GPRS1900	661	NV	-10	-2780.00	-1.478723	±2.5	PASS
GPRS1900	661	NV	0	-980.00	-0.521277	±2.5	PASS
GPRS1900	661	NV	10	-1110.00	-0.590426	±2.5	PASS
GPRS1900	661	NV	20	-1960.00	-1.042553	±2.5	PASS
GPRS1900	661	NV	30	-1870.00	-0.994681	±2.5	PASS
GPRS1900	661	NV	40	-1270.00	-0.675532	±2.5	PASS
GPRS1900	661	NV	50	-1060.00	-0.563830	±2.5	PASS
EGPRS1900	661	NV	-30	-2250.00	-1.196809	±2.5	PASS
EGPRS1900	661	NV	-20	-1740.00	-0.925532	±2.5	PASS
EGPRS1900	661	NV	-10	-1930.00	-1.026596	±2.5	PASS
EGPRS1900	661	NV	0	-3150.00	-1.675532	±2.5	PASS
EGPRS1900	661	NV	10	-4230.00	-2.250000	±2.5	PASS
EGPRS1900	661	NV	20	-2410.00	-1.281915	±2.5	PASS

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EGPRS1900	661	NV	30	-2250.00	-1.196809	±2.5	PASS
EGPRS1900	661	NV	40	-2700.00	-1.436170	±2.5	PASS
EGPRS1900	661	NV	50	-1790.00	-0.952128	±2.5	PASS
GPRS1900	810	NV	-30	-1280.00	-0.670227	±2.5	PASS
GPRS1900	810	NV	-20	-2430.00	-1.272385	±2.5	PASS
GPRS1900	810	NV	-10	-1960.00	-1.026285	±2.5	PASS
GPRS1900	810	NV	0	-960.00	-0.502670	±2.5	PASS
GPRS1900	810	NV	10	-1310.00	-0.685936	±2.5	PASS
GPRS1900	810	NV	20	-1790.00	-0.937271	±2.5	PASS
GPRS1900	810	NV	30	-1220.00	-0.638810	±2.5	PASS
GPRS1900	810	NV	40	-1320.00	-0.691172	±2.5	PASS
GPRS1900	810	NV	50	-2140.00	-1.120536	±2.5	PASS
EGPRS1900	810	NV	-30	-3230.00	-1.691277	±2.5	PASS
EGPRS1900	810	NV	-20	-1920.00	-1.005341	±2.5	PASS
EGPRS1900	810	NV	-10	-2240.00	-1.172898	±2.5	PASS
EGPRS1900	810	NV	0	-1880.00	-0.984396	±2.5	PASS
EGPRS1900	810	NV	10	-2630.00	-1.377108	±2.5	PASS
EGPRS1900	810	NV	20	-2150.00	-1.125772	±2.5	PASS
EGPRS1900	810	NV	30	-1230.00	-0.644046	±2.5	PASS
EGPRS1900	810	NV	40	-1350.00	-0.706880	±2.5	PASS
EGPRS1900	810	NV	50	-2370.00	-1.240968	±2.5	PASS

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