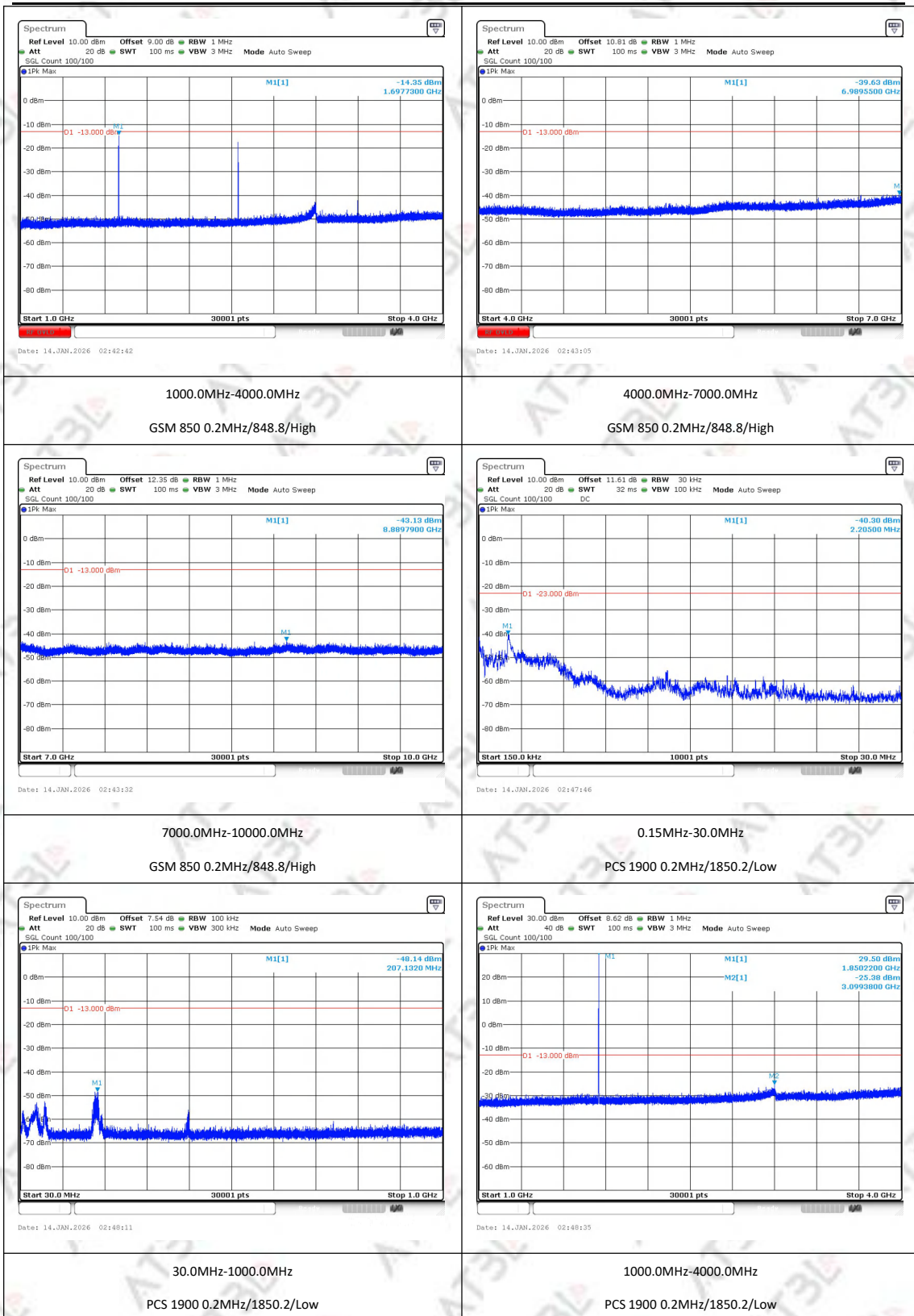
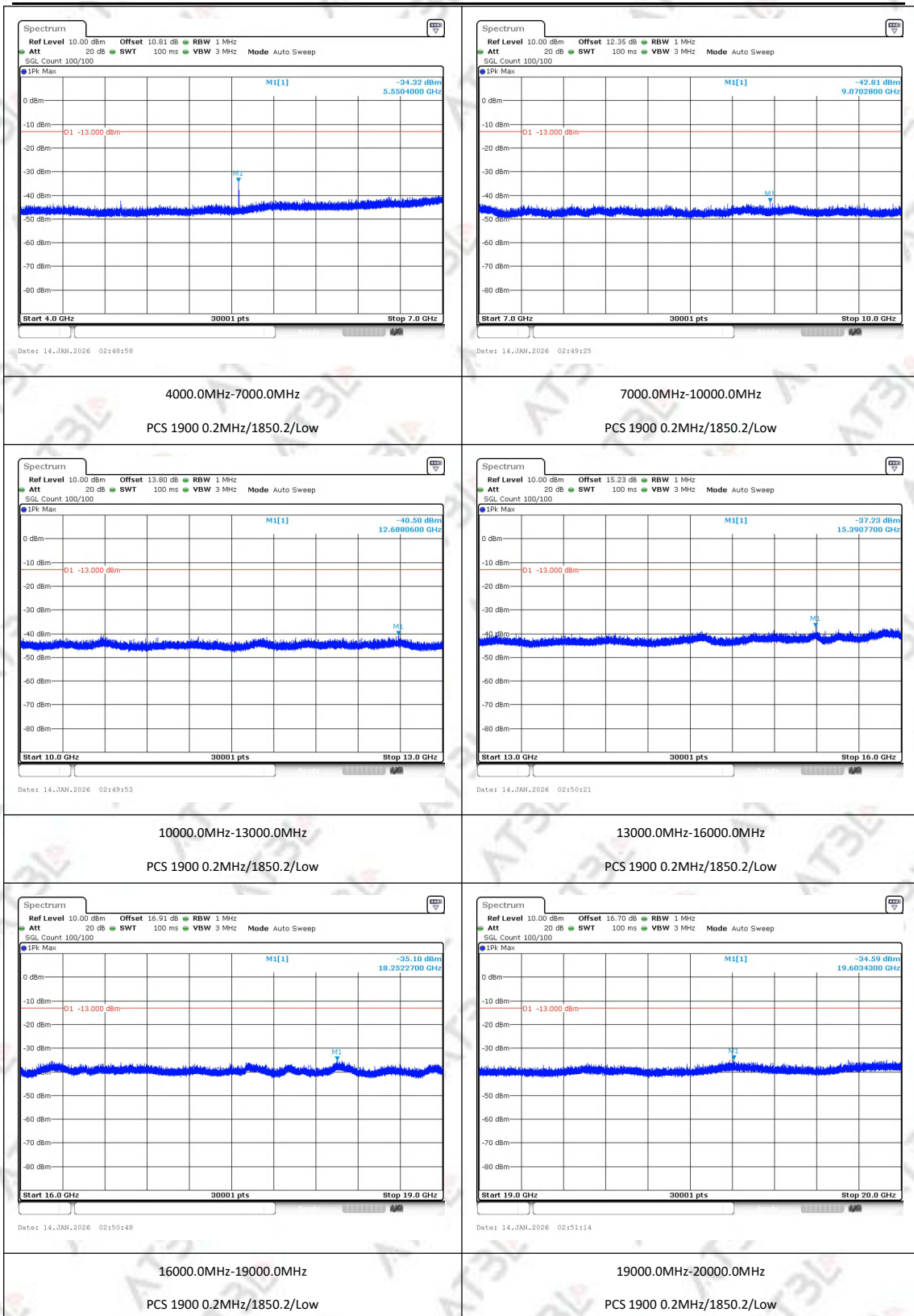
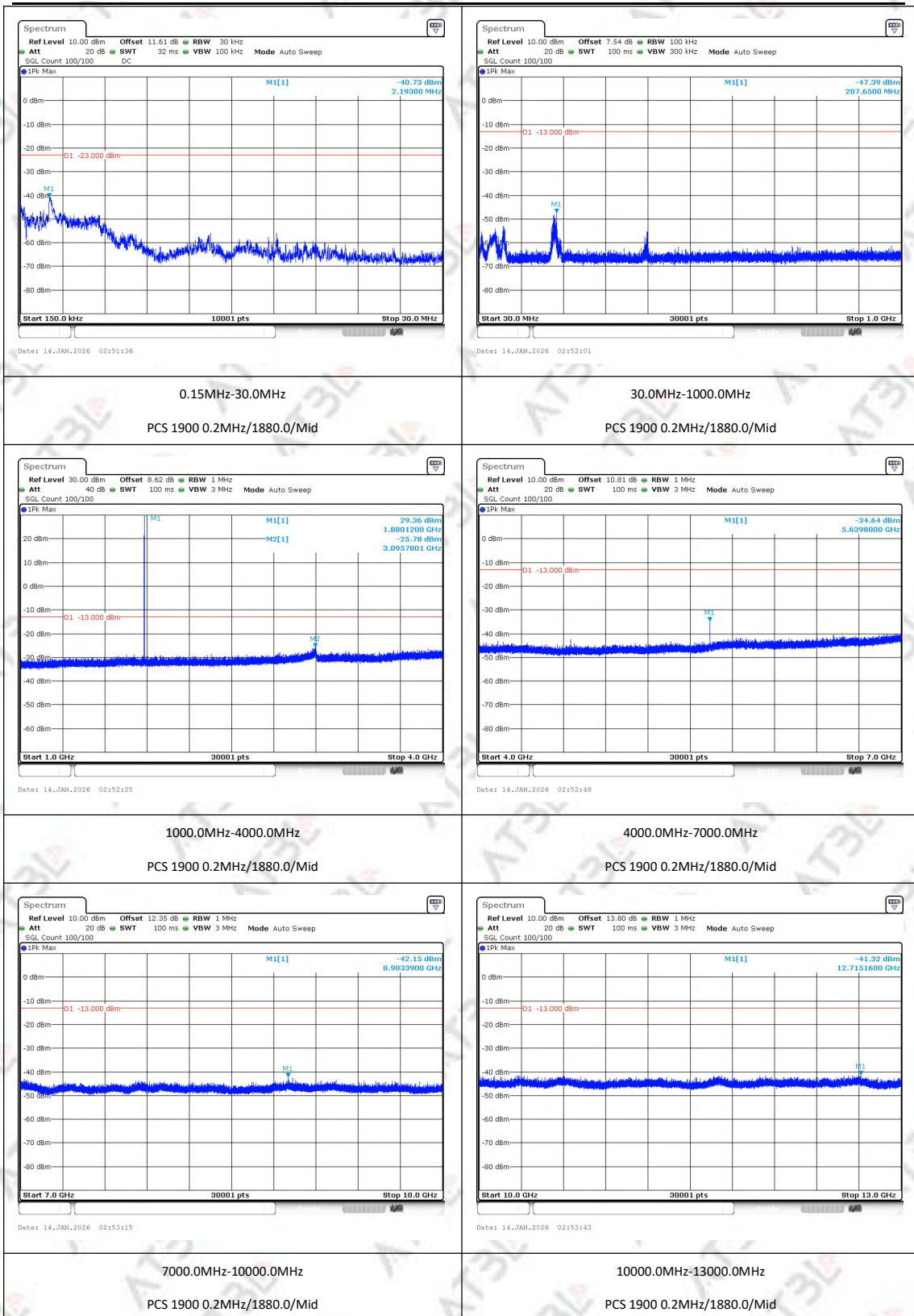
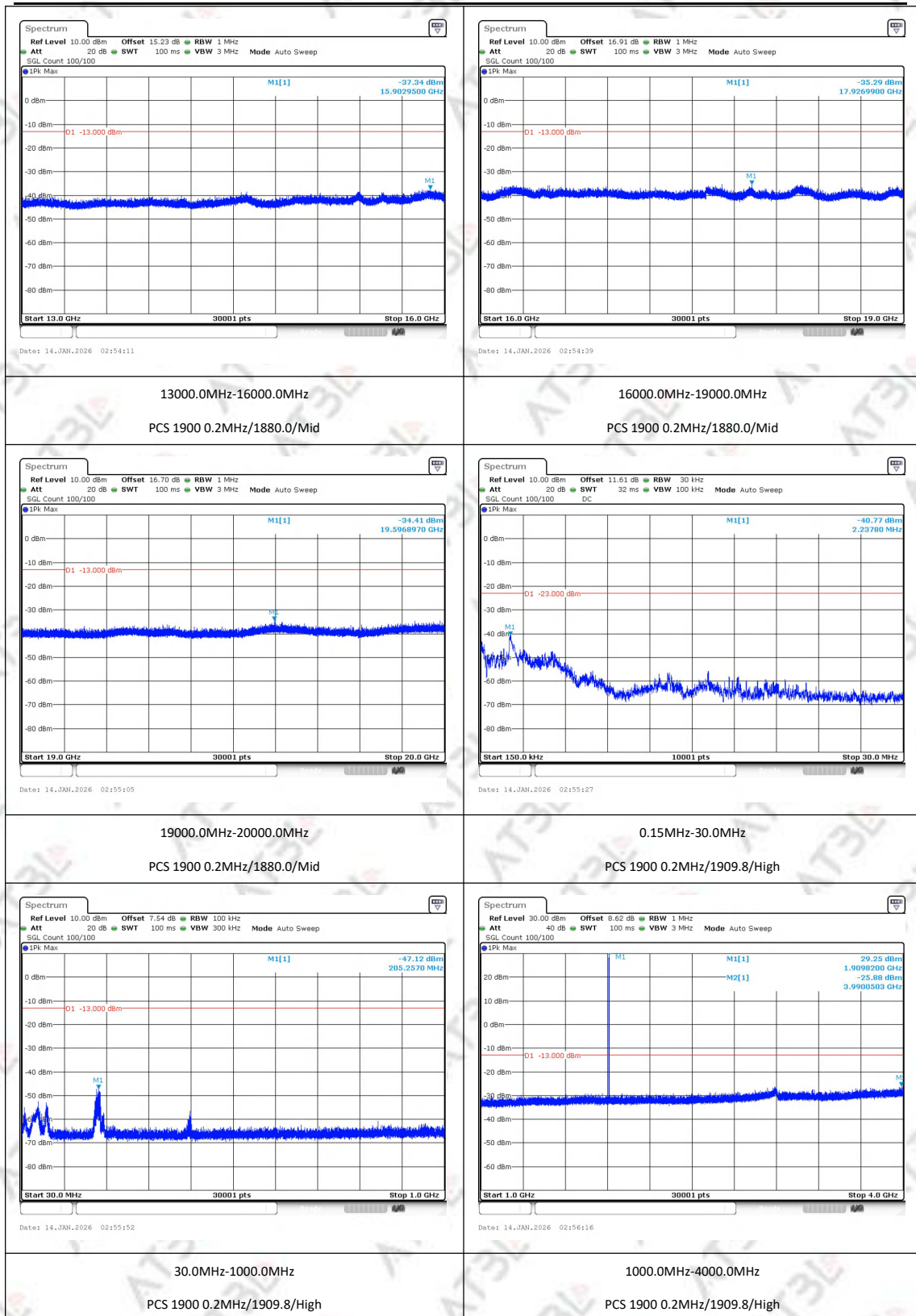
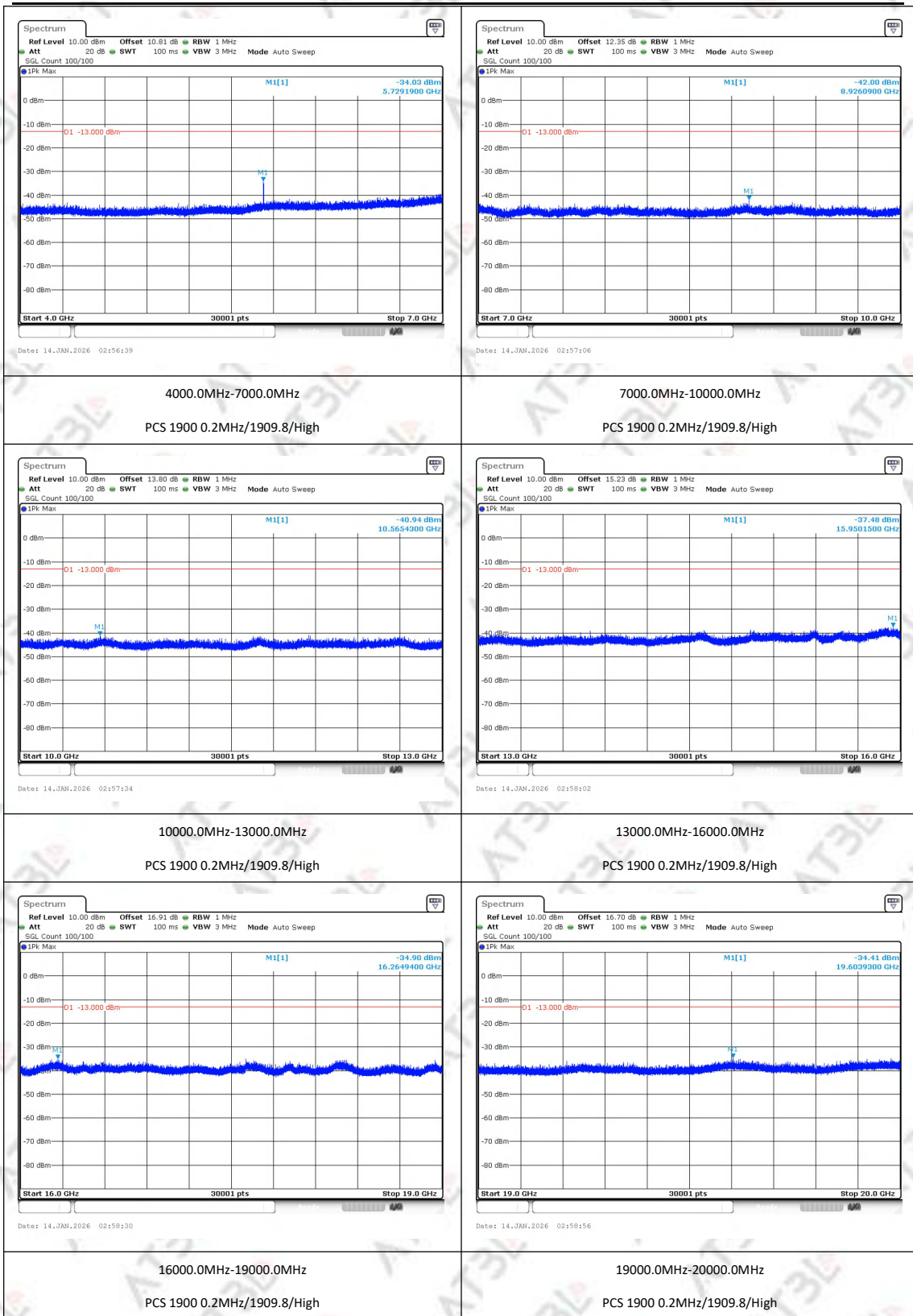












E5.Conducted Band Edge

Band	Channel	Freq (MHz)	Result	Verdict
GSM 850	128	824.2	see graph	PASS
GSM 850	251	848.8	see graph	PASS
PCS 1900	512	1850.2	see graph	PASS
PCS 1900	810	1909.8	see graph	PASS

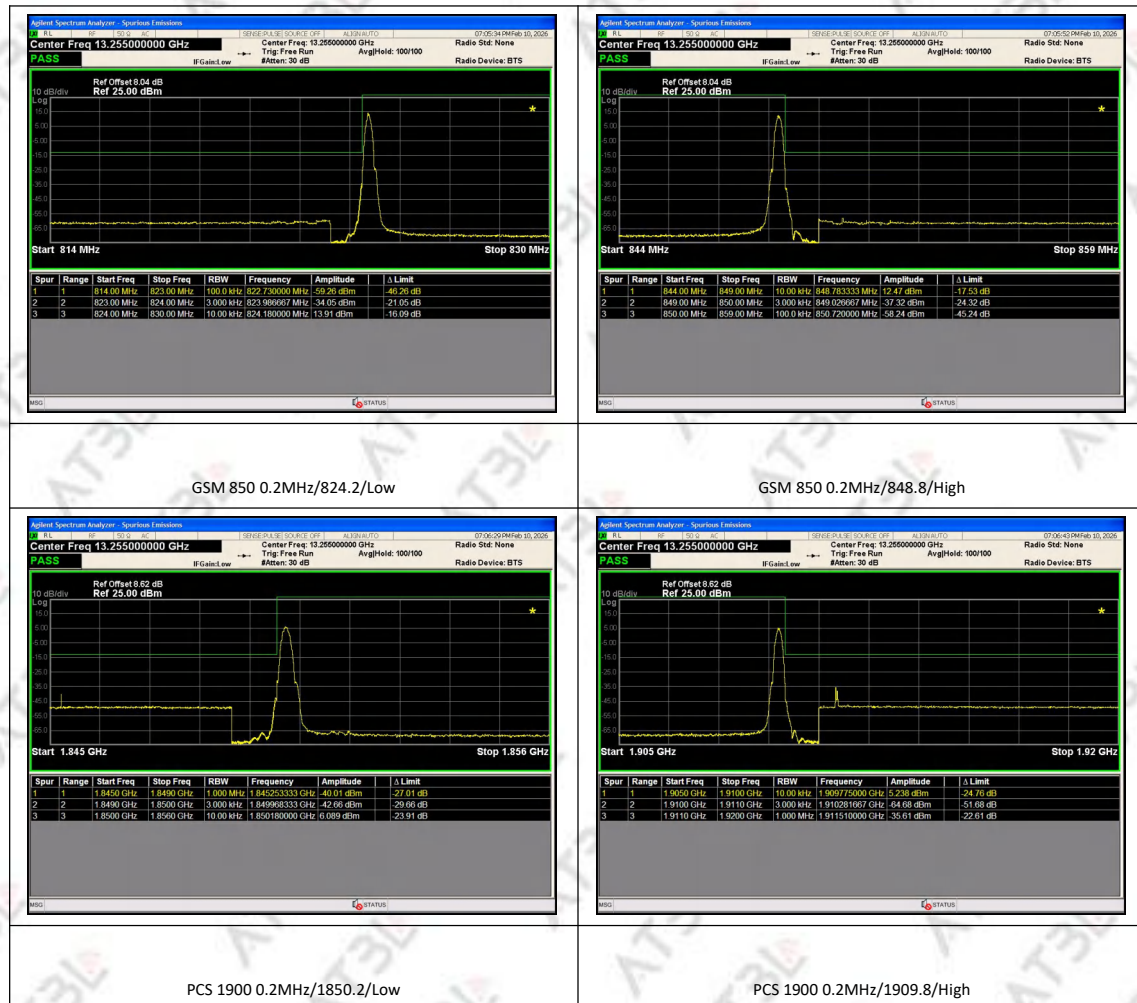
Test Graphs

Agilent Spectrum Analyzer - Spurious Emissions Center Freq 13.255000000 GHz PASS Ref Offset 8.04 dB Ref 25.00 dBm Start 814 MHz Stop 830 MHz <table><thead><tr><th>Spur</th><th>Range</th><th>Start Freq</th><th>Stop Freq</th><th>RBW</th><th>Frequency</th><th>Amplitude</th><th>Δ Limit</th></tr></thead><tbody><tr><td>1</td><td>1</td><td>824.00 MHz</td><td>823.00 MHz</td><td>100.0 kHz</td><td>822.805000 MHz</td><td>59.67 dBm</td><td>-40.67 dB</td></tr><tr><td>2</td><td>2</td><td>823.00 MHz</td><td>824.00 MHz</td><td>3.000 kHz</td><td>823.981067 MHz</td><td>35.86 dBm</td><td>-22.86 dB</td></tr><tr><td>3</td><td>3</td><td>824.00 MHz</td><td>830.00 MHz</td><td>10.00 MHz</td><td>824.190000 MHz</td><td>11.78 dBm</td><td>-16.22 dB</td></tr></tbody></table> GSM 850 0.2MHz/824.2/Low	Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit	1	1	824.00 MHz	823.00 MHz	100.0 kHz	822.805000 MHz	59.67 dBm	-40.67 dB	2	2	823.00 MHz	824.00 MHz	3.000 kHz	823.981067 MHz	35.86 dBm	-22.86 dB	3	3	824.00 MHz	830.00 MHz	10.00 MHz	824.190000 MHz	11.78 dBm	-16.22 dB	Agilent Spectrum Analyzer - Spurious Emissions Center Freq 13.255000000 GHz PASS Ref Offset 8.04 dB Ref 25.00 dBm Start 844 MHz Stop 859 MHz <table><thead><tr><th>Spur</th><th>Range</th><th>Start Freq</th><th>Stop Freq</th><th>RBW</th><th>Frequency</th><th>Amplitude</th><th>Δ Limit</th></tr></thead><tbody><tr><td>1</td><td>1</td><td>844.00 MHz</td><td>849.00 MHz</td><td>10.00 kHz</td><td>848.791667 MHz</td><td>11.15 dBm</td><td>-16.85 dB</td></tr><tr><td>2</td><td>2</td><td>849.00 MHz</td><td>850.00 MHz</td><td>3.000 kHz</td><td>849.020000 MHz</td><td>38.77 dBm</td><td>-25.77 dB</td></tr><tr><td>3</td><td>3</td><td>850.00 MHz</td><td>859.00 MHz</td><td>10.00 MHz</td><td>850.015000 MHz</td><td>58.10 dBm</td><td>-45.10 dB</td></tr></tbody></table> GSM 850 0.2MHz/848.8/High	Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit	1	1	844.00 MHz	849.00 MHz	10.00 kHz	848.791667 MHz	11.15 dBm	-16.85 dB	2	2	849.00 MHz	850.00 MHz	3.000 kHz	849.020000 MHz	38.77 dBm	-25.77 dB	3	3	850.00 MHz	859.00 MHz	10.00 MHz	850.015000 MHz	58.10 dBm	-45.10 dB
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit																																																										
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3	3	850.00 MHz	859.00 MHz	10.00 MHz	850.015000 MHz	58.10 dBm	-45.10 dB																																																										
Agilent Spectrum Analyzer - Spurious Emissions Center Freq 13.255000000 GHz PASS Ref Offset 8.62 dB Ref 25.00 dBm Start 1845 GHz Stop 1856 GHz <table><thead><tr><th>Spur</th><th>Range</th><th>Start Freq</th><th>Stop Freq</th><th>RBW</th><th>Frequency</th><th>Amplitude</th><th>Δ Limit</th></tr></thead><tbody><tr><td>1</td><td>1</td><td>1845.00 GHz</td><td>1849.00 GHz</td><td>1.000 MHz</td><td>1845.253333 GHz</td><td>40.17 dBm</td><td>-27.17 dB</td></tr><tr><td>2</td><td>2</td><td>1849.00 GHz</td><td>1850.00 GHz</td><td>3.000 kHz</td><td>1849.978333 GHz</td><td>42.38 dBm</td><td>-29.38 dB</td></tr><tr><td>3</td><td>3</td><td>1850.00 GHz</td><td>1856.00 GHz</td><td>10.00 MHz</td><td>1850.220000 GHz</td><td>5.496 dBm</td><td>-24.50 dB</td></tr></tbody></table> PCS 1900 0.2MHz/1850.2/Low	Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit	1	1	1845.00 GHz	1849.00 GHz	1.000 MHz	1845.253333 GHz	40.17 dBm	-27.17 dB	2	2	1849.00 GHz	1850.00 GHz	3.000 kHz	1849.978333 GHz	42.38 dBm	-29.38 dB	3	3	1850.00 GHz	1856.00 GHz	10.00 MHz	1850.220000 GHz	5.496 dBm	-24.50 dB	Agilent Spectrum Analyzer - Spurious Emissions Center Freq 13.255000000 GHz PASS Ref Offset 8.62 dB Ref 25.00 dBm Start 1905 GHz Stop 1912 GHz <table><thead><tr><th>Spur</th><th>Range</th><th>Start Freq</th><th>Stop Freq</th><th>RBW</th><th>Frequency</th><th>Amplitude</th><th>Δ Limit</th></tr></thead><tbody><tr><td>1</td><td>1</td><td>1905.00 GHz</td><td>1910.00 GHz</td><td>10.00 kHz</td><td>1909.825000 GHz</td><td>4.210 dBm</td><td>-25.79 dB</td></tr><tr><td>2</td><td>2</td><td>1910.00 GHz</td><td>1911.00 GHz</td><td>3.000 kHz</td><td>1910.018333 GHz</td><td>45.13 dBm</td><td>-32.13 dB</td></tr><tr><td>3</td><td>3</td><td>1911.00 GHz</td><td>1920.00 GHz</td><td>1.000 MHz</td><td>1911.510000 GHz</td><td>35.81 dBm</td><td>-22.81 dB</td></tr></tbody></table> PCS 1900 0.2MHz/1909.8/High	Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit	1	1	1905.00 GHz	1910.00 GHz	10.00 kHz	1909.825000 GHz	4.210 dBm	-25.79 dB	2	2	1910.00 GHz	1911.00 GHz	3.000 kHz	1910.018333 GHz	45.13 dBm	-32.13 dB	3	3	1911.00 GHz	1920.00 GHz	1.000 MHz	1911.510000 GHz	35.81 dBm	-22.81 dB
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit																																																										
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3	3	1911.00 GHz	1920.00 GHz	1.000 MHz	1911.510000 GHz	35.81 dBm	-22.81 dB																																																										

E5-1Conducted Band Edge GPRS

Band	Channel	Freq (MHz)	Slots	Result	Verdict
GSM 850	128	824.2	1 Tx	see graph	PASS
GSM 850	251	848.8	1 Tx	see graph	PASS
PCS 1900	512	1850.2	1 Tx	see graph	PASS
PCS 1900	810	1909.8	1 Tx	see graph	PASS

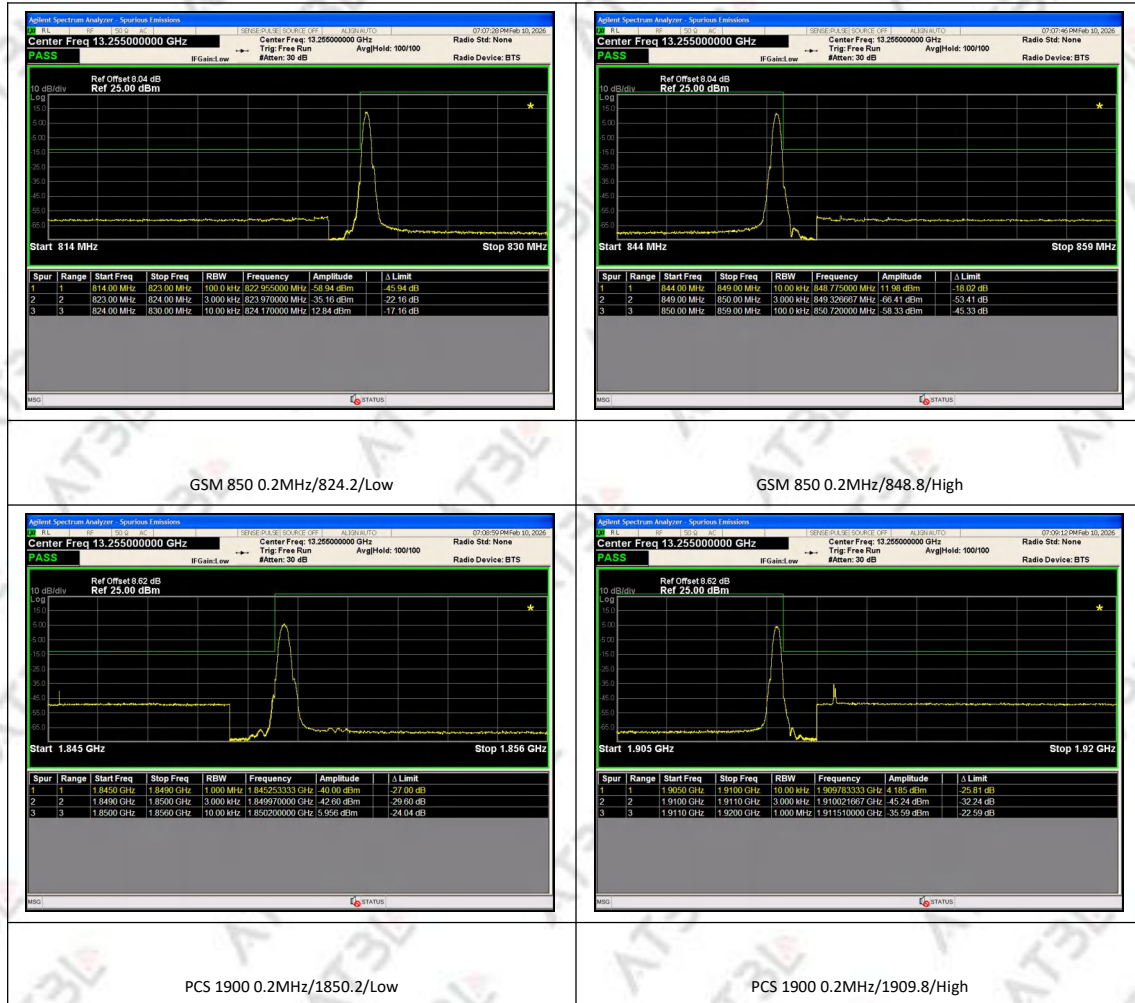
Test Graphs



E5-2. Conducted Band Edge EGPRS

Band	Channel	Freq (MHz)	Slots	Result	Verdict
GSM 850	128	824.2	1 Tx	see graph	PASS
GSM 850	251	848.8	1 Tx	see graph	PASS
PCS 1900	512	1850.2	1 Tx	see graph	PASS
PCS 1900	810	1909.8	1 Tx	see graph	PASS

Test Graphs



E6.Frequency Stability-TN/VN

Band	Channel	Freq (MHz)	Deviation (Hz)	Deviation (ppm)	Limit(ppm)	Verdict	Environment
GSM 850	128	824.2	-0.84	-0.00102	±2.5	PASS	TN/VN
GSM 850	190	836.6	7.55	0.00903	±2.5	PASS	TN/VN
GSM 850	251	848.8	6.2	0.0073	±2.5	PASS	TN/VN
PCS 1900	512	1850.2	43.04	0.02326	±2.5	PASS	TN/VN
PCS 1900	661	1880.0	12.56	0.00668	±2.5	PASS	TN/VN
PCS 1900	810	1909.8	8.56	0.00448	±2.5	PASS	TN/VN

Frequency Stability-TH/VL

Band	Channel	Freq (MHz)	Deviation (Hz)	Deviation (ppm)	Limit(ppm)	Verdict	Environment
GSM 850	128	824.2	14.3	0.01735	±2.5	PASS	TH/VL
GSM 850	190	836.6	0.32	0.00038	±2.5	PASS	TH/VL
GSM 850	251	848.8	6.94	0.00818	±2.5	PASS	TH/VL
PCS 1900	512	1850.2	36.81	0.01989	±2.5	PASS	TH/VL
PCS 1900	661	1880.0	20.92	0.01113	±2.5	PASS	TH/VL
PCS 1900	810	1909.8	11.36	0.00595	±2.5	PASS	TH/VL