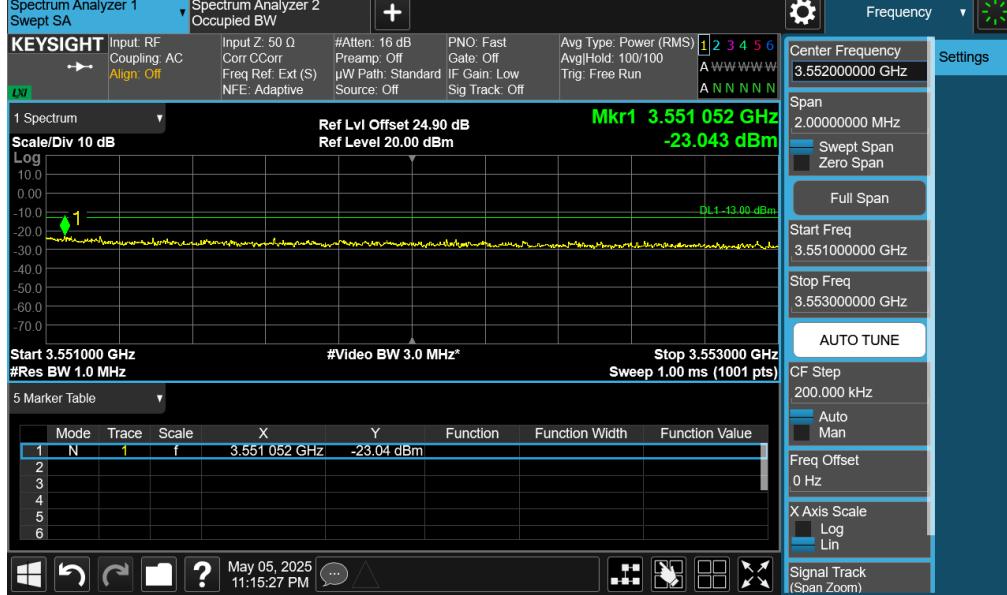


Out-of-band/out-of-block emissions

UL_4.1MHz AWGN_HCH_two adjacent test signals_Pre-AGC



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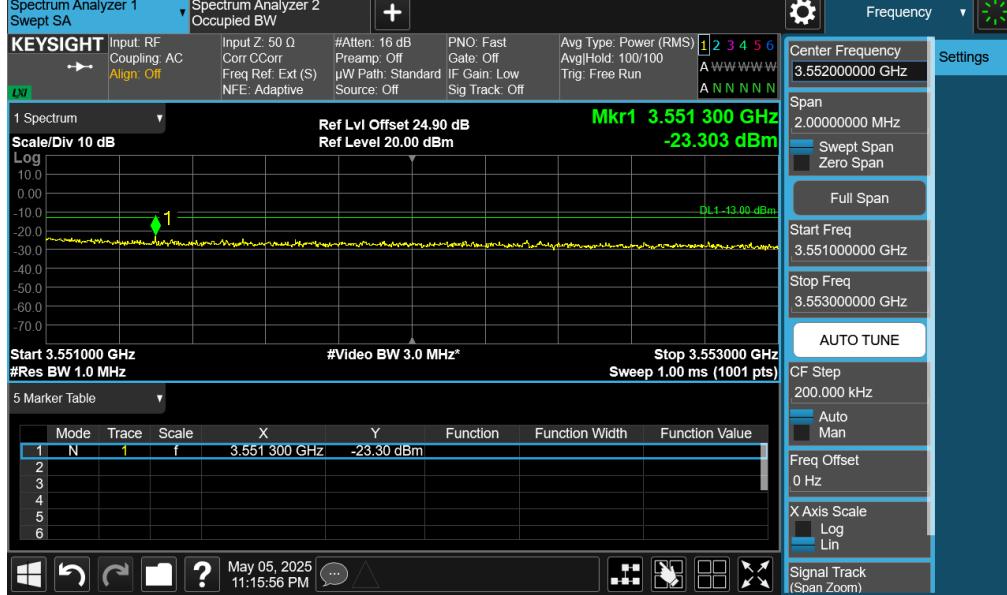
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Out-of-band/out-of-block emissions

UL_4.1MHz AWGN_HCH_two adjacent test signals_3dB above AGC



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Out-of-band/out-of-block emissions

UL_100MHz AWGN_LCH_a single test signal_Pre-AGC



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Out-of-band/out-of-block emissions

UL_100MHz AWGN_LCH_a single test signal_3dB above AGC



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Out-of-band/out-of-block emissions

UL_100MHz AWGN_HCH_a single test signal_Pre-AGC



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Out-of-band/out-of-block emissions

UL_100MHz AWGN_HCH_a single test signal_3dB above AGC



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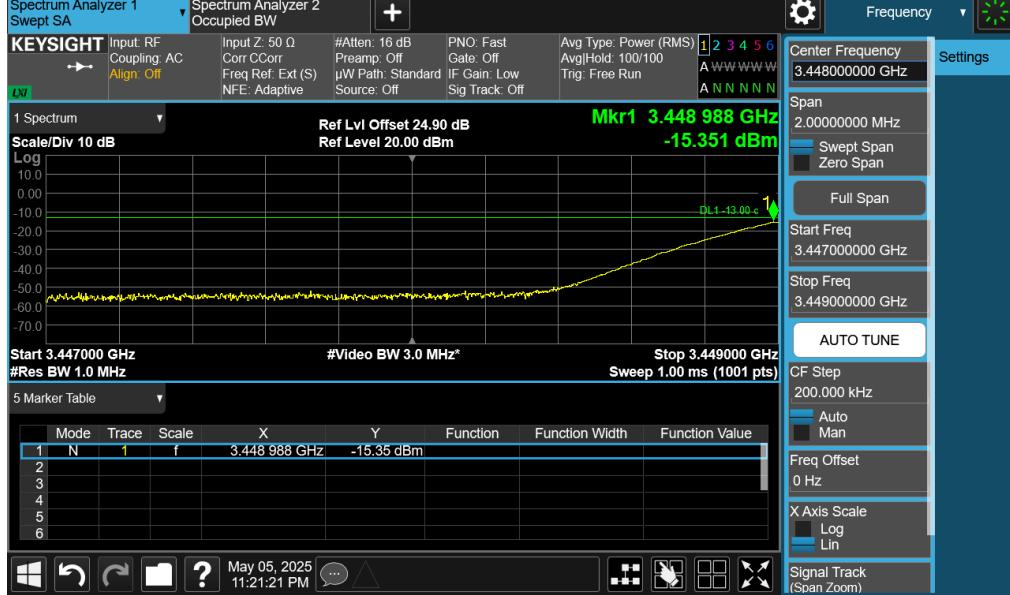
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Out-of-band/out-of-block emissions

UL_GSM_LCH_a single test signal_Pre-AGC



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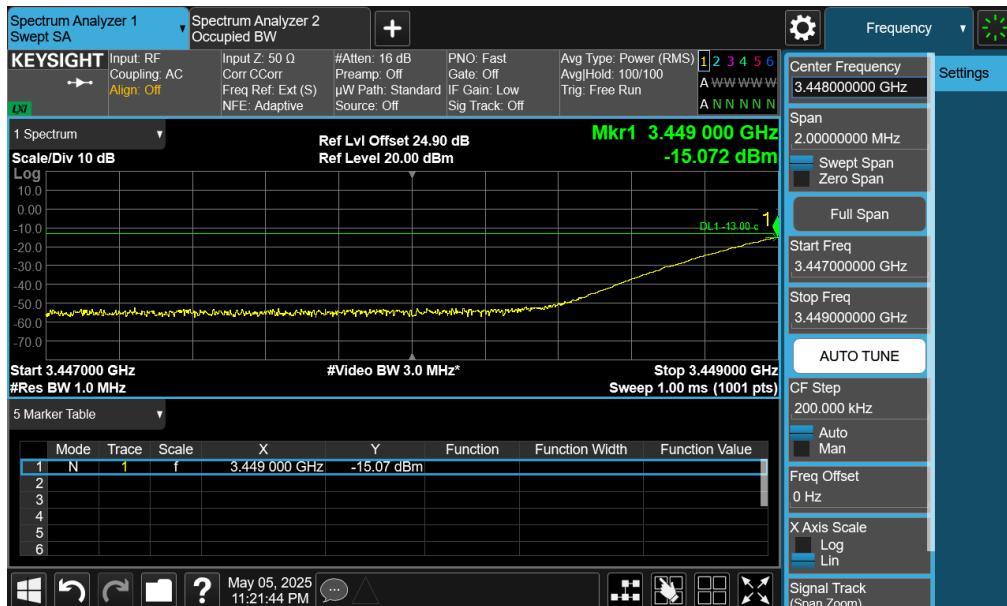
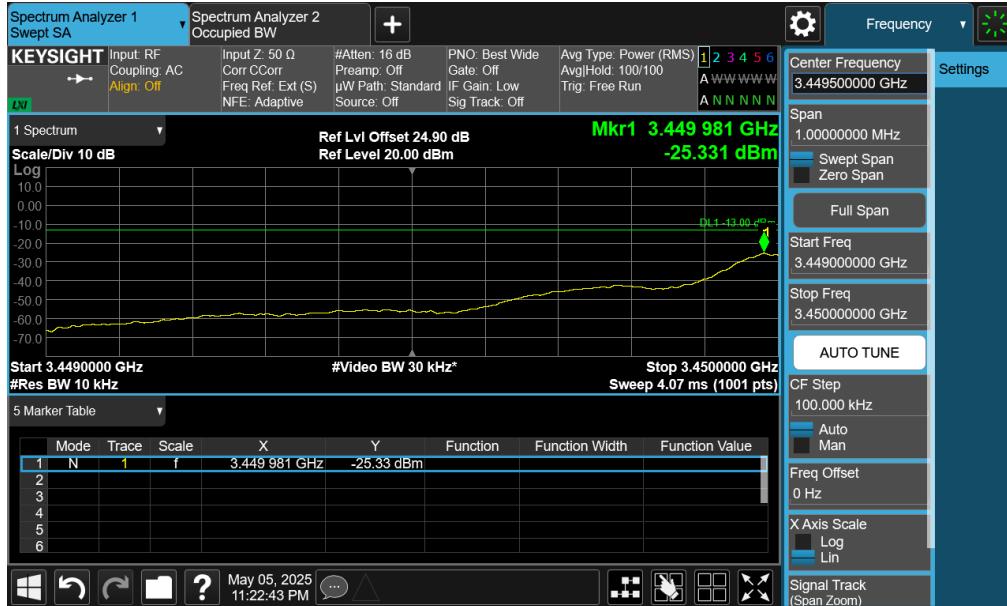
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Out-of-band/out-of-block emissions

UL_GSM_LCH_a single test signal_3dB above AGC



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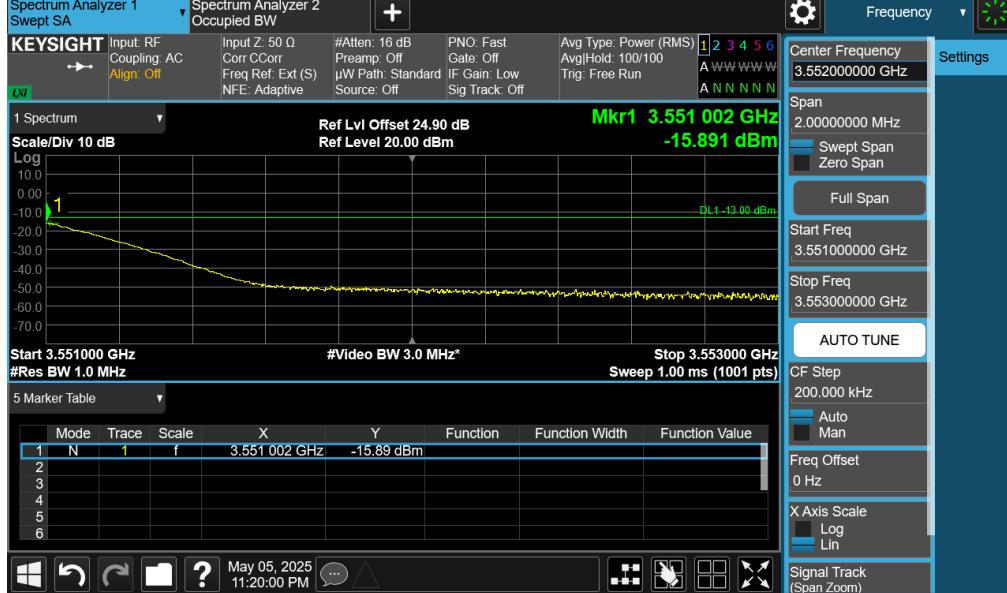
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Out-of-band/out-of-block emissions

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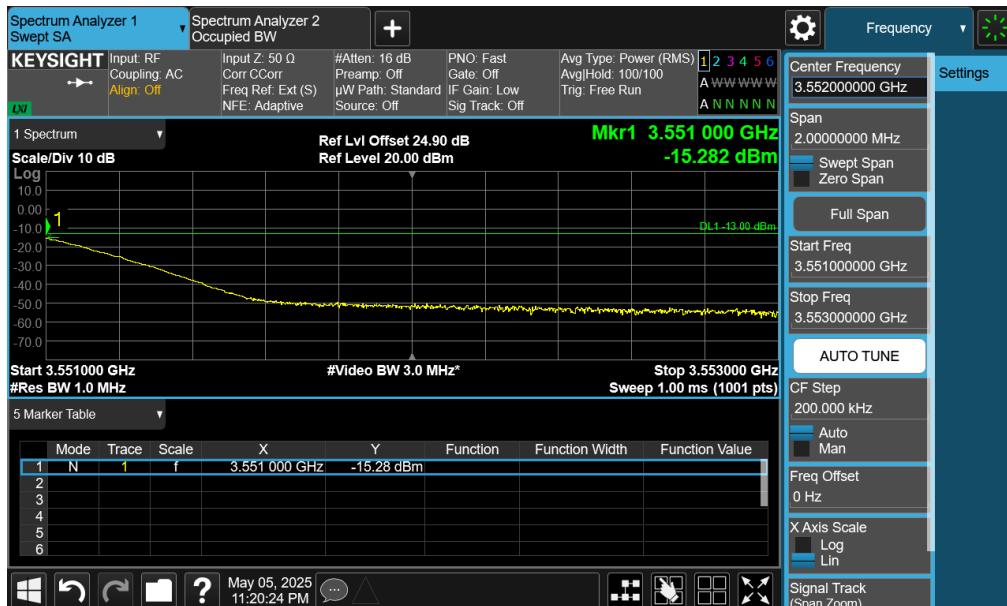
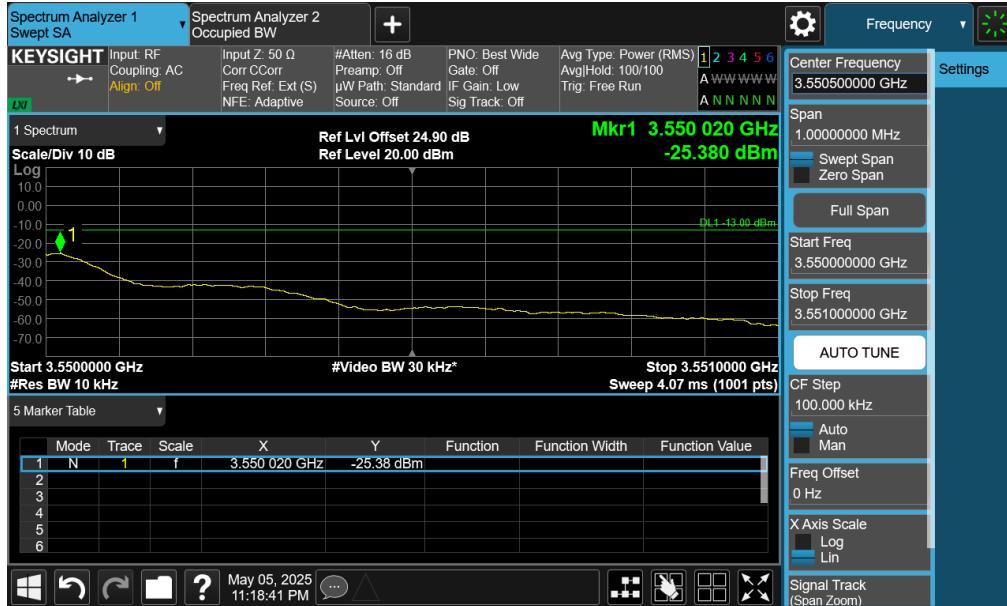
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Out-of-band/out-of-block emissions

UL_GSM_HCH_a single test signal_3dB above AGC



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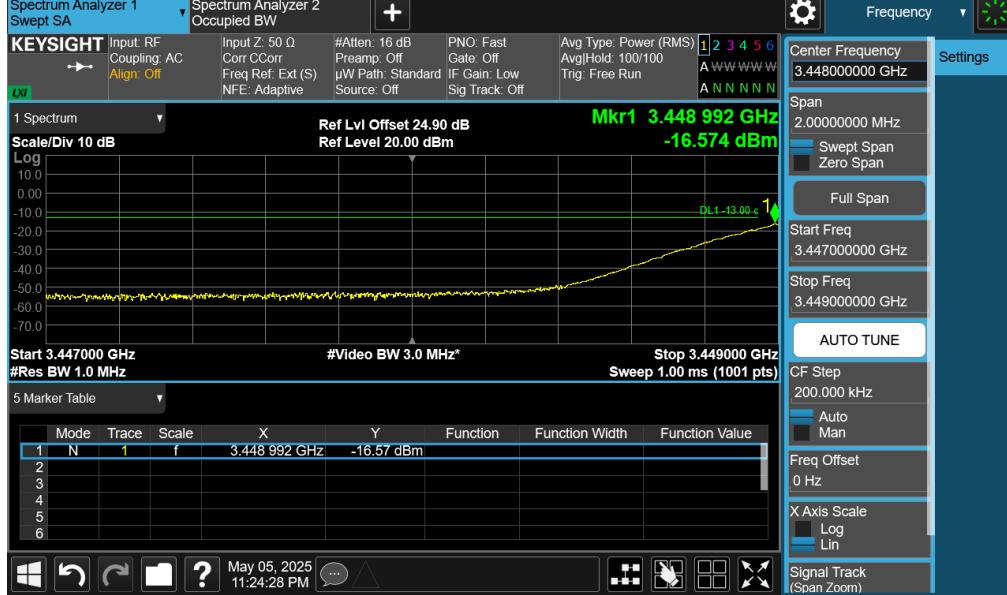
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Out-of-band/out-of-block emissions

UL_GSM_LCH_two adjacent test signals_Pre-AGC



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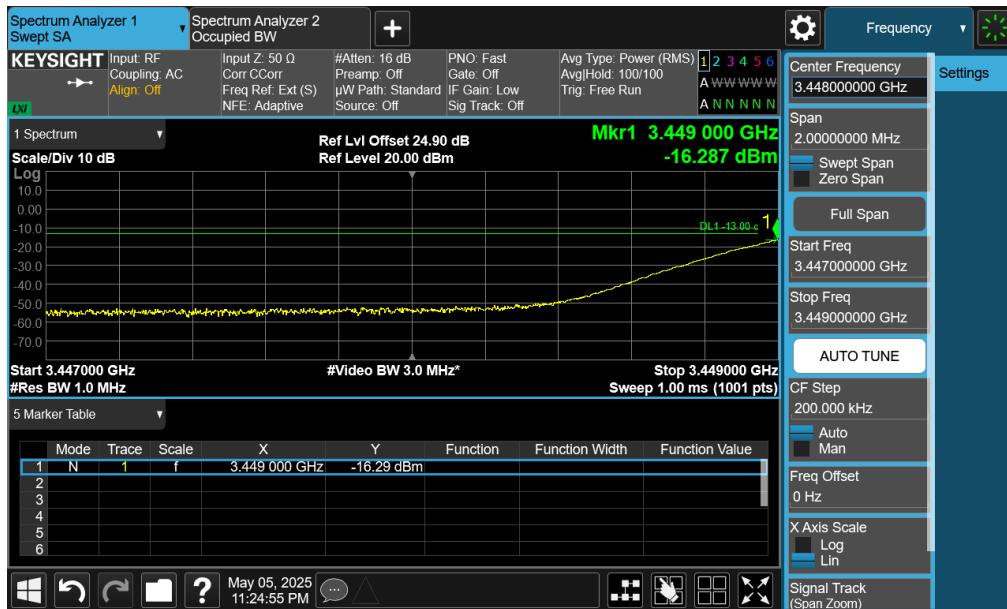
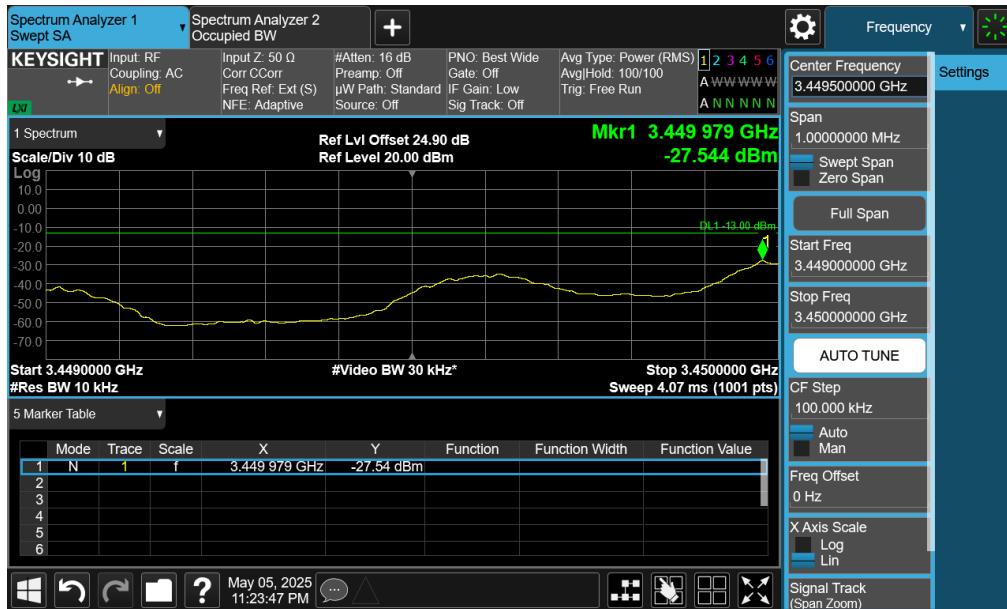
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Out-of-band/out-of-block emissions

UL_GSM_LCH_two adjacent test signals _3dB above AGC



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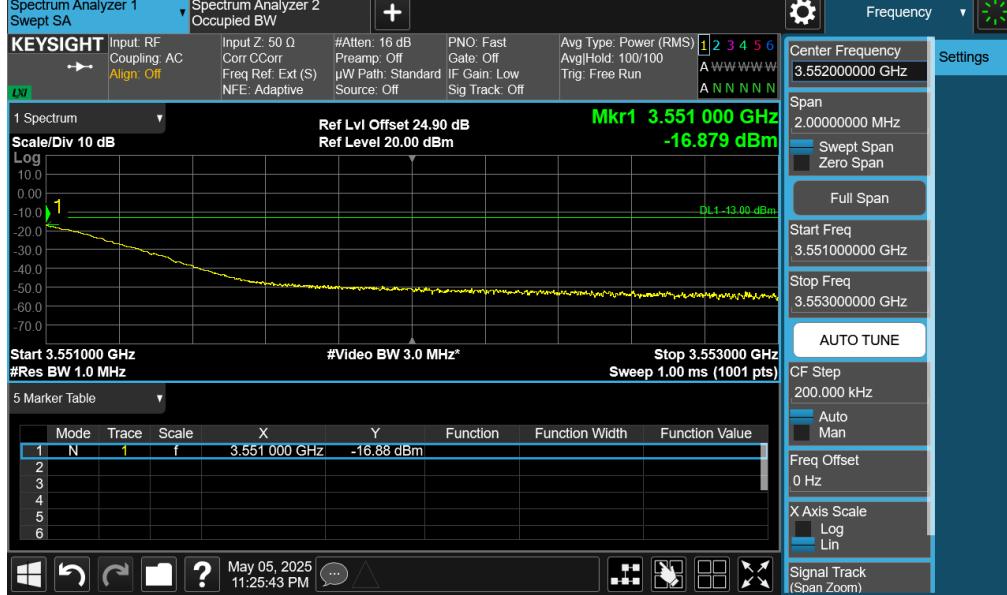
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Out-of-band/out-of-block emissions

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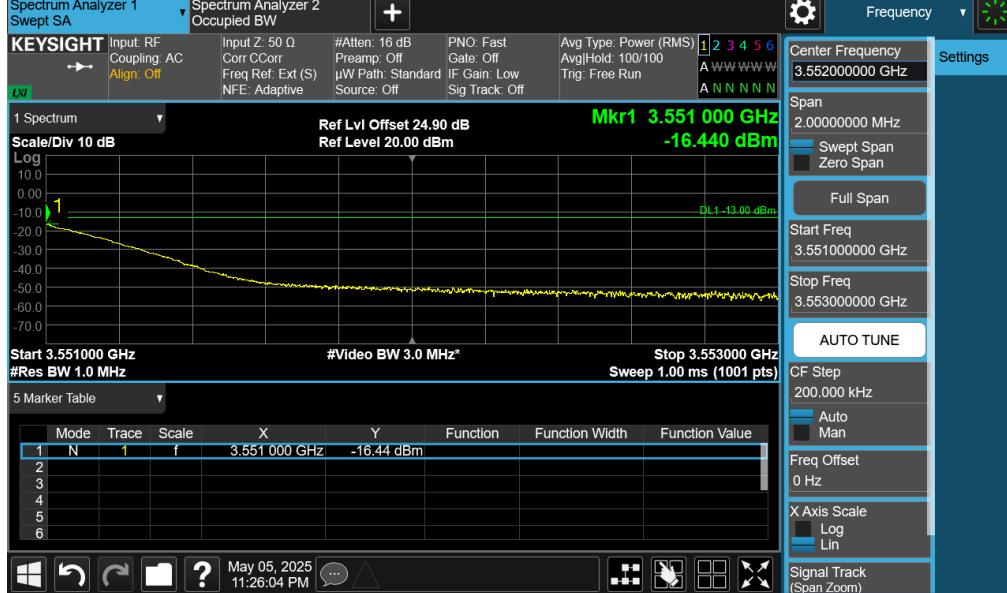
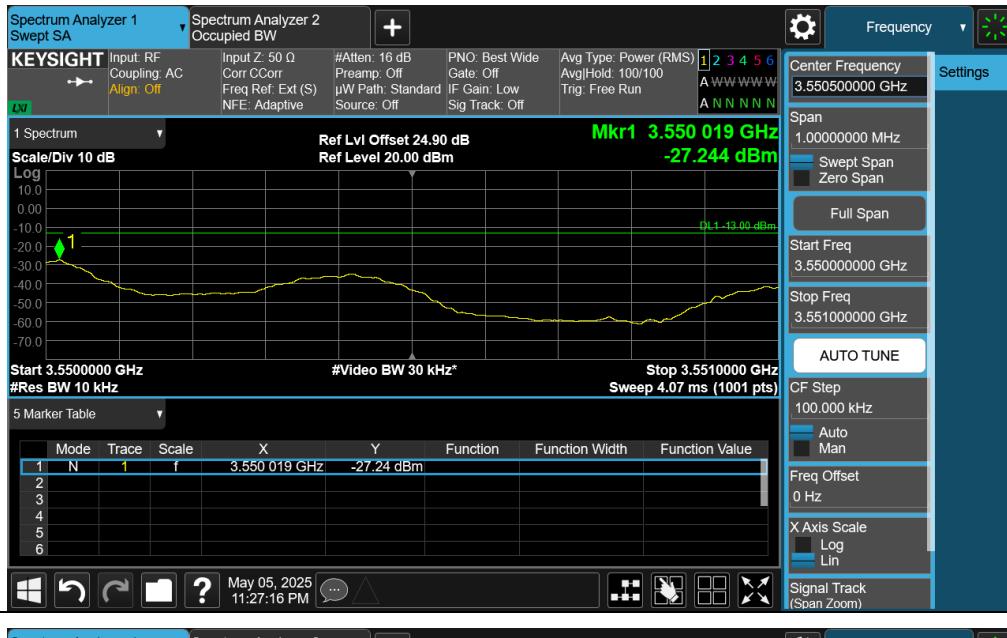
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5 Conducted Spurious emissions

Conducted Spurious emissions						
Test path	Test signal	Test channel	Frequency range (MHz)	Worst test level (dBm)	Limit (dBm)	Verdict
UL	GSM	LCH	0.09-1000	-59.35	≤-40	PASS
			1000-3430	-59.88	≤-40	PASS
			3430-3440	-58.83	≤-25	PASS
			3440-3449	-15.335	≤-13	PASS
		HCH	3551-3560	-17.04	≤-13	PASS
			3560-3570	-54.06	≤-25	PASS
			3570-35500	-47.15	≤-40	PASS

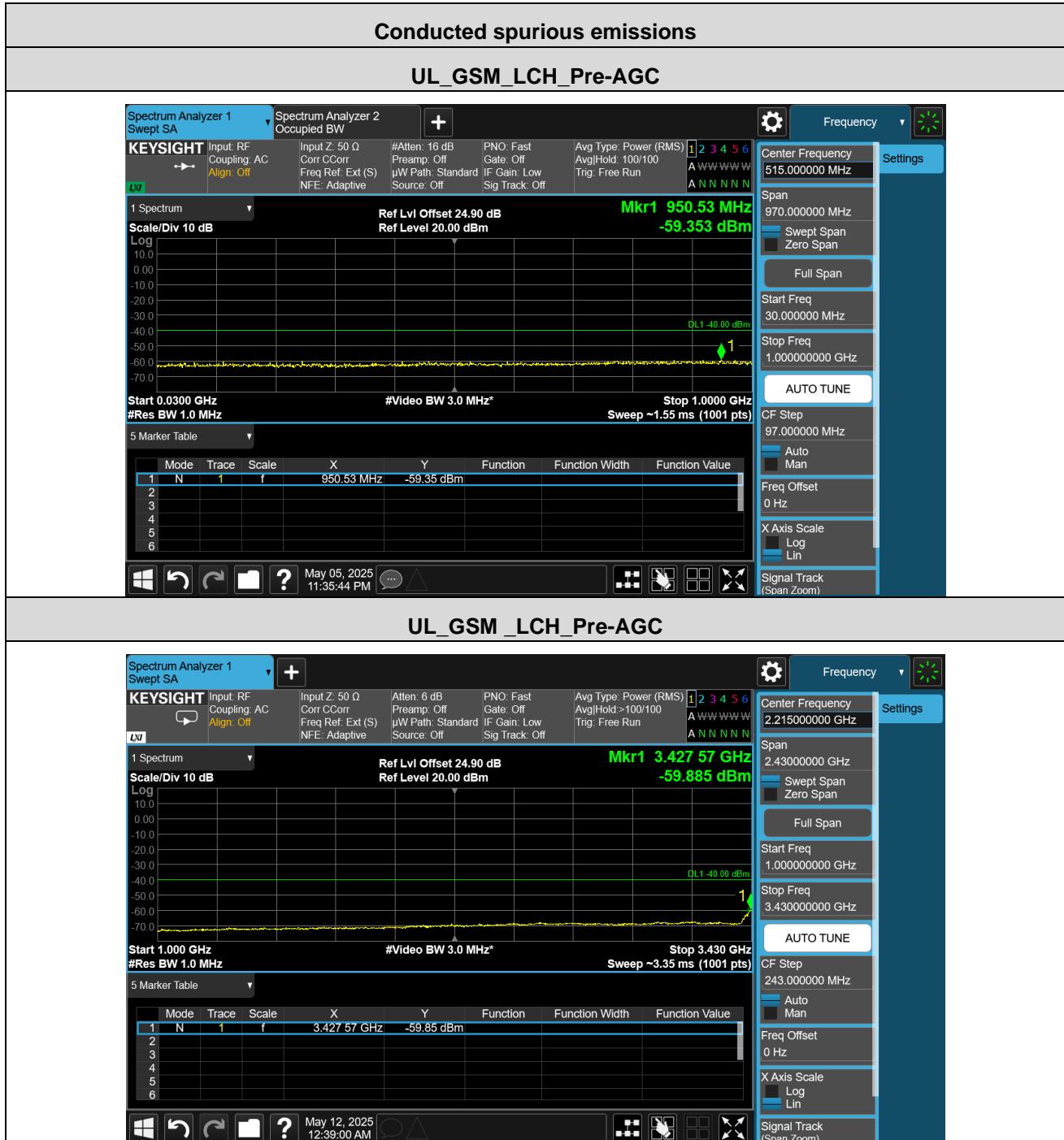
Remark:

1. All modes (LCH/MCH/HCH, with 4.1MHz AWGN signal/ with 100MHz AWGN signal/ with GSM signal) had been tested, only show the worst-case in this report.
2. The spurious emissions 9kHz to 30MHz and above 20GHz were very low and not displayed test plots in this report.

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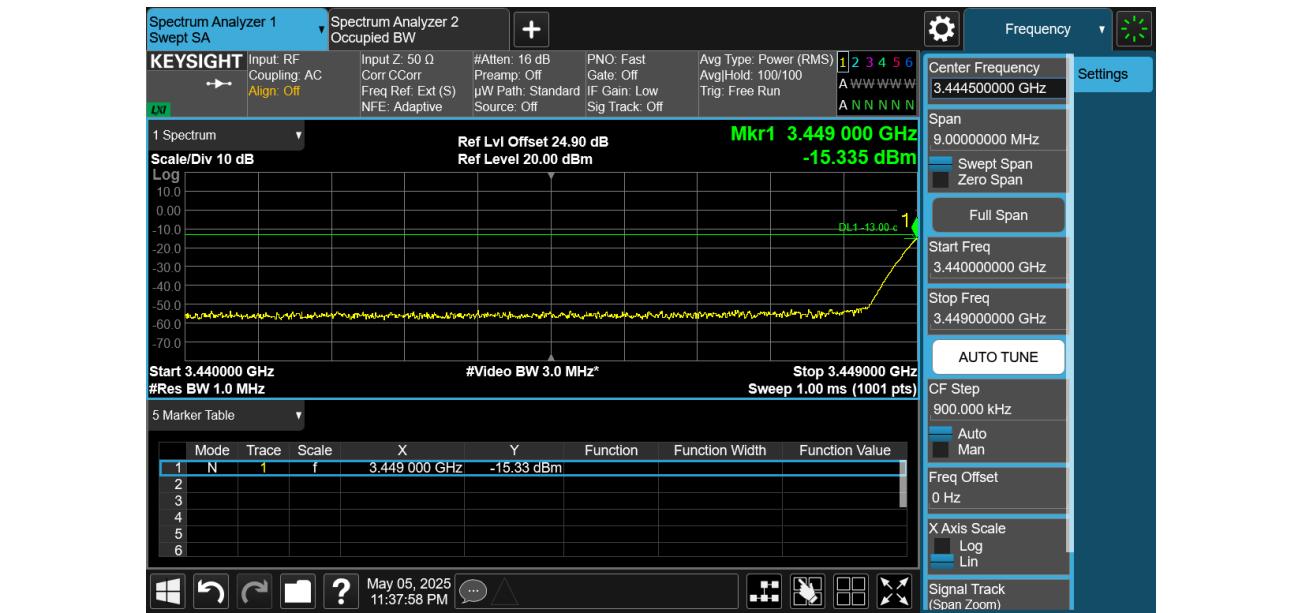


Conducted spurious emissions

UL_GSM_LCH_Pre-AGC



UL_GSM_HCH_Pre-AGC



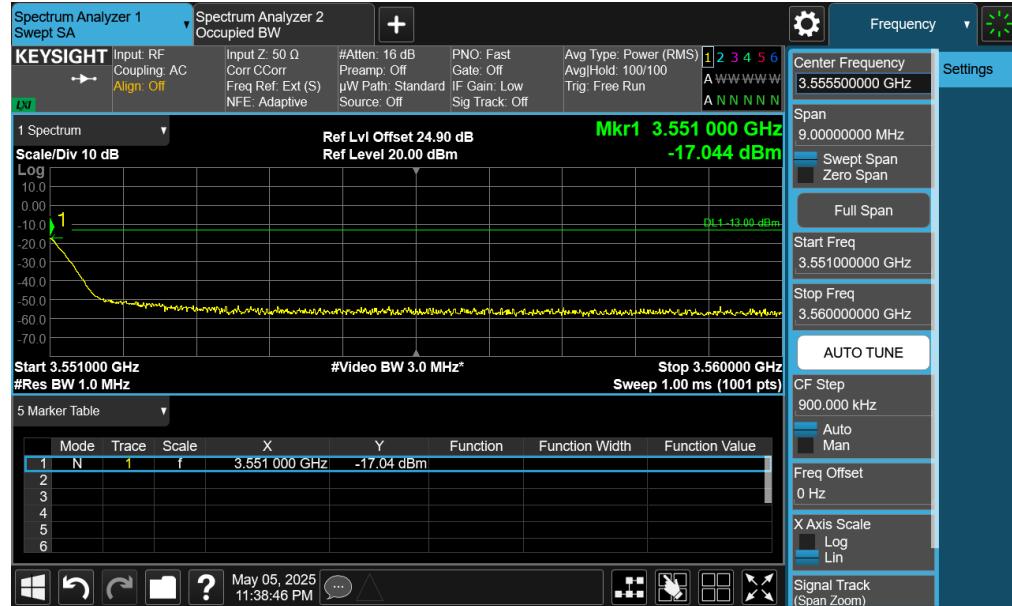
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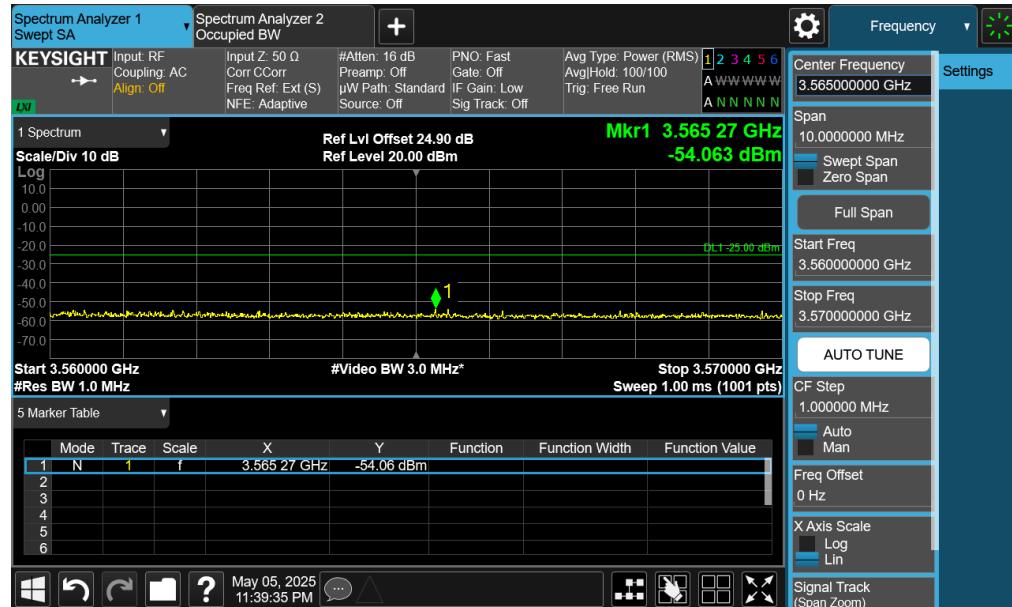


Conducted spurious emissions

UL_GSM_HCH_Pre-AGC



UL_GSM_HCH_Pre-AGC



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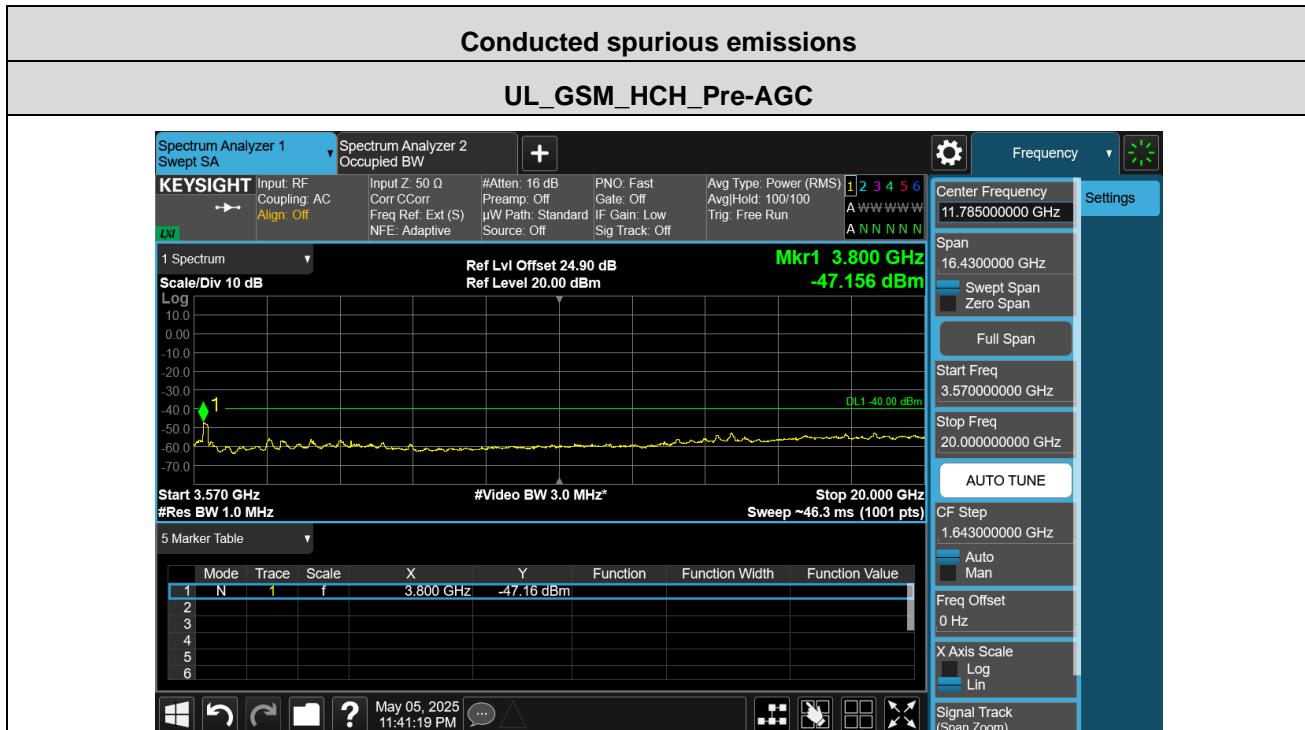
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6 Frequency Stability

Frequency stability vs voltage							
Test path	Test Channel	Test Signal	Temperature	Voltage	Freq. error (Hz)	Tolerance (ppm)	Verdict
UL	MCH	4.1MHz AWGN	TN	VL	5.4	0.00154	PASS
			TN	VH	5.3	0.00151	PASS
		100MHz AWGN	TN	VL	6.2	0.00177	PASS
			TN	VH	6.2	0.00177	PASS
		GSM	TN	VL	5.8	0.00166	PASS
			TN	VH	5.8	0.00166	PASS

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Frequency stability vs temperature							
Test Path	Test Channel	Test Signal	Voltage	Temperature (°C)	Freq. error (Hz)	Tolerance (ppm)	Verdict
UL	MCH	4.1MHz AWGN	VN	+50	5.3	0.00151	PASS
			VN	+40	6.8	0.00194	PASS
			VN	+30	7.9	0.00226	PASS
			VN	+20	4.6	0.00131	PASS
			VN	+10	7.7	0.00220	PASS
			VN	0	8.1	0.00231	PASS
			VN	-10	4.1	0.00117	PASS
			VN	-20	4.8	0.00137	PASS
			VN	-30	7.1	0.00203	PASS
	MCH	100MHz AWGN	VN	+50	5.9	0.00169	PASS
			VN	+40	6.5	0.00186	PASS
			VN	+30	6.4	0.00183	PASS
			VN	+20	6.2	0.00177	PASS
			VN	+10	5.8	0.00166	PASS
			VN	0	7.5	0.00214	PASS
			VN	-10	5.0	0.00143	PASS
			VN	-20	5.1	0.00146	PASS
			VN	-30	4.7	0.00134	PASS
	MCH	GSM	VN	+50	6.2	0.00177	PASS
			VN	+40	4.1	0.00117	PASS
			VN	+30	6.1	0.00174	PASS
			VN	+20	4.9	0.00140	PASS
			VN	+10	6.1	0.00174	PASS
			VN	0	4.9	0.00140	PASS
			VN	-10	4.8	0.00137	PASS
			VN	-20	7.3	0.00209	PASS
			VN	-30	6.4	0.00183	PASS

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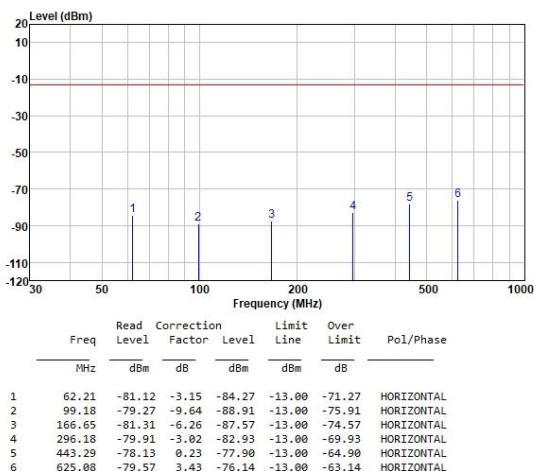
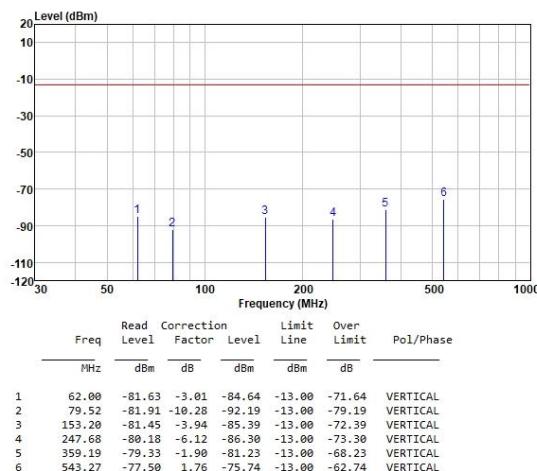
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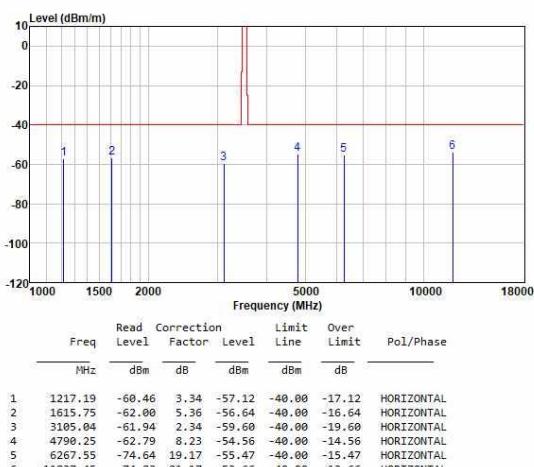
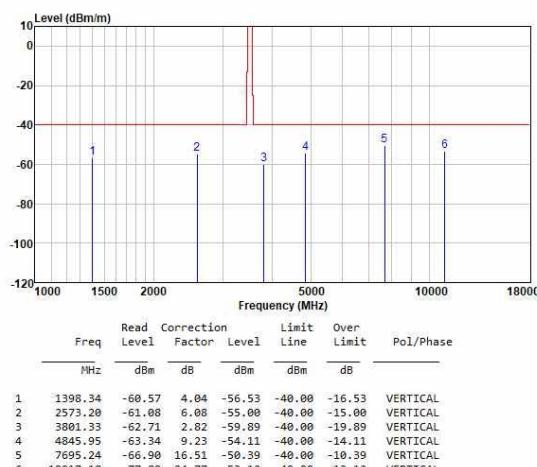
7 Radiated Spurious emissions

Radiated Spurious emissions

UL_4.1MHz AWGN_MCH_30MHz-1GHz



UL_4.1MHz AWGN_MCH_above 1GHz



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Remark:

Pre-test was performed for all modes (LCH/MCH/HCH, with GSM signal/ with 4.1MHz AWGN signals/ with 100MHz AWGN signals). The spurious emissions 9kHz to 30MHz and above 18GHz were very low and not displayed in this report. Therefore, only show the worst-case data in this report.

--End of Appendix--

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