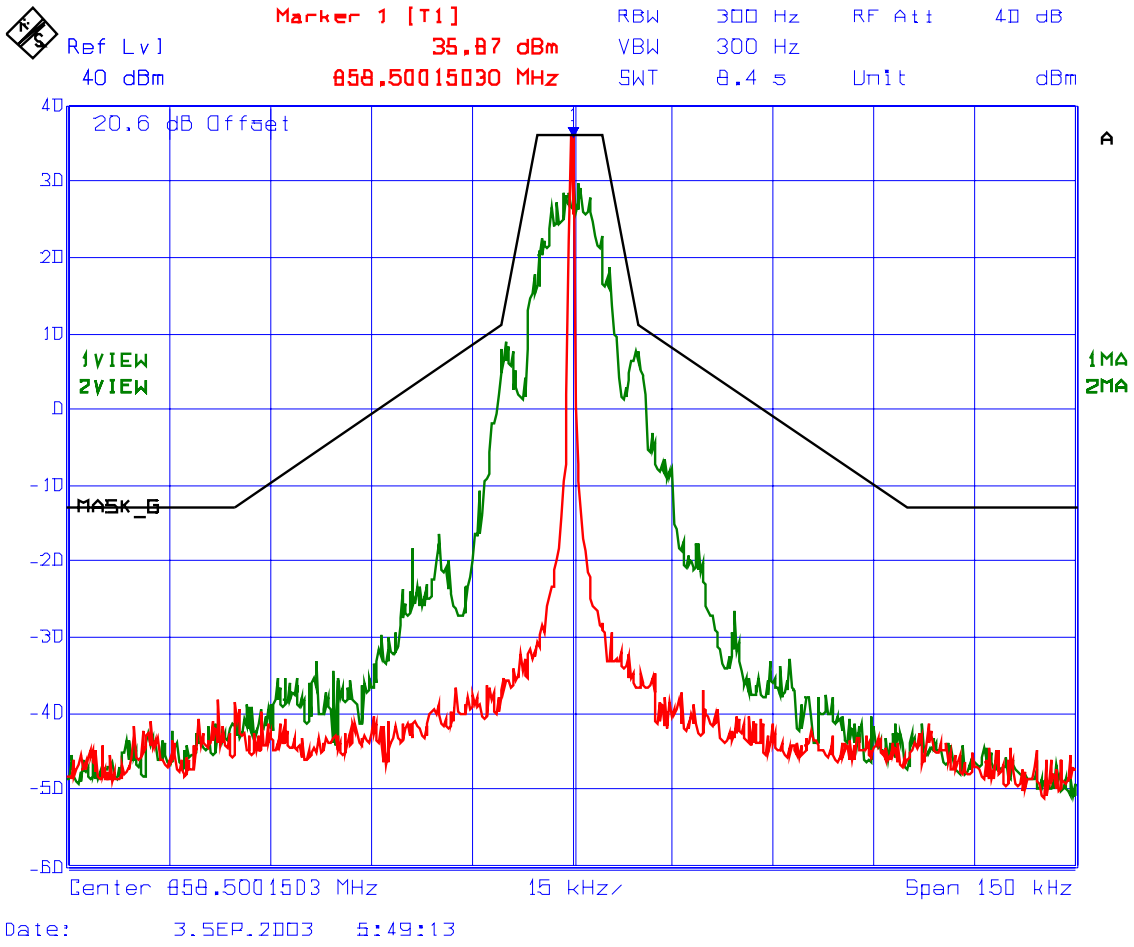
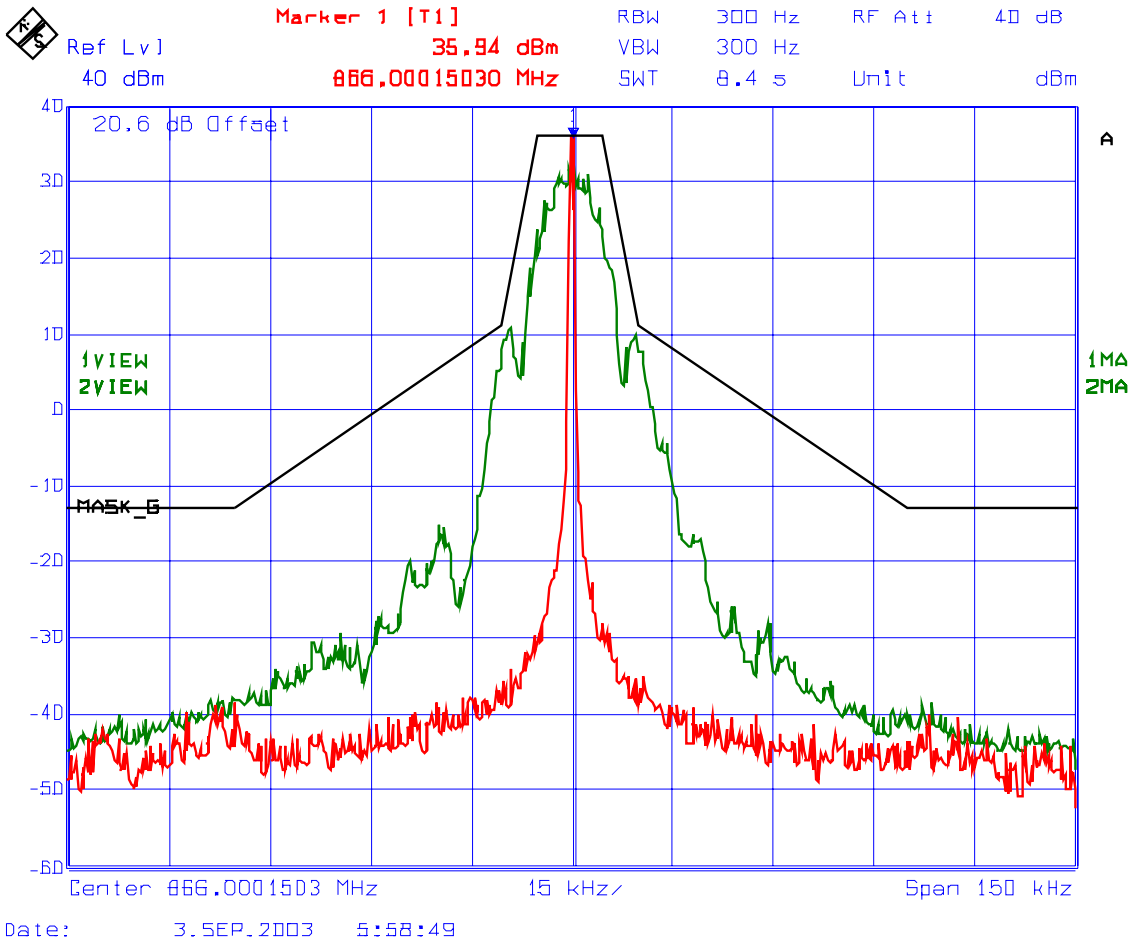
PLOT # 188 Emission Mask G, frequency 851-866 MHz- RF Output
Frequency: 858.5 MHz, 25 kHz Channel Spacing
Modulation: FM modulation with an external 9600 b/s random data source



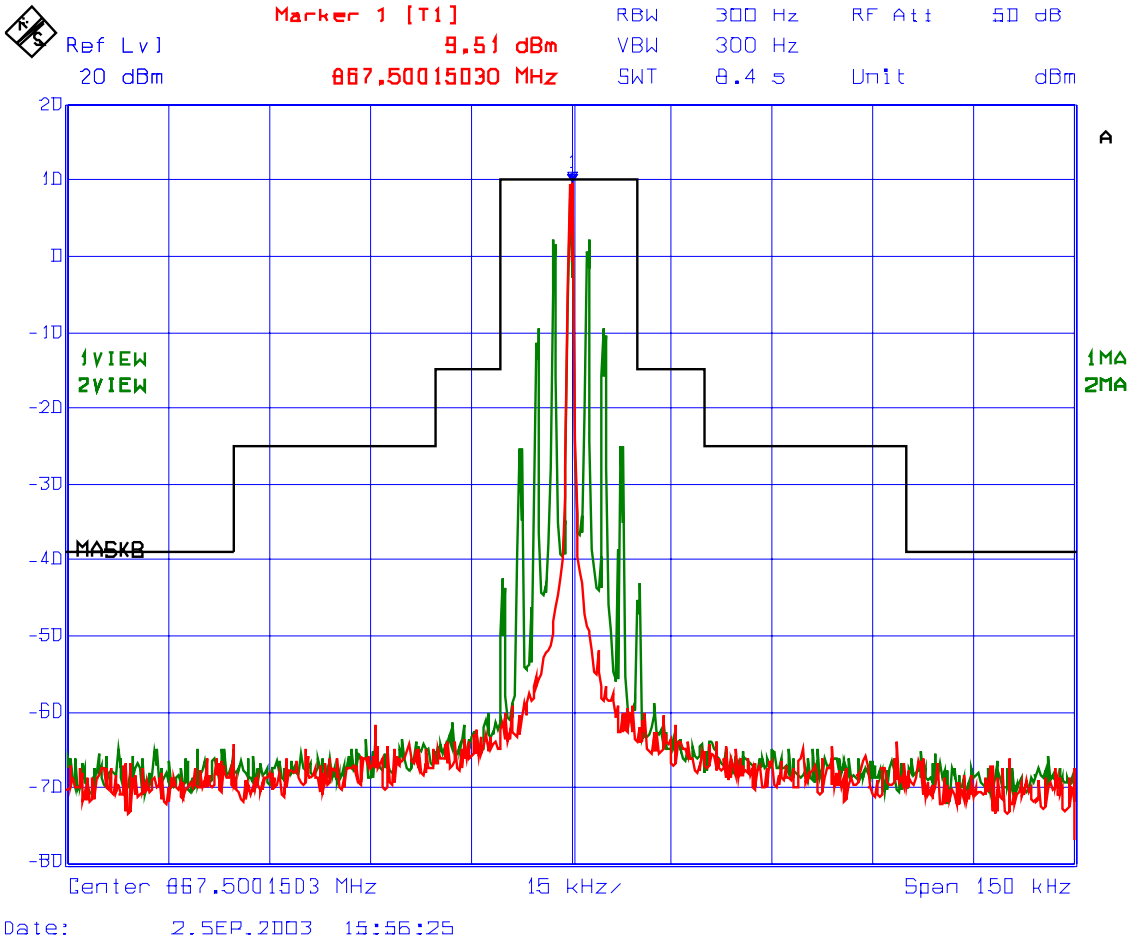
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 189 Emission Mask G, frequency 851-866 MHz- RF Output
Frequency: 866 MHz, 25 kHz Channel Spacing
Modulation: FM modulation with an external 9600 b/s random data source

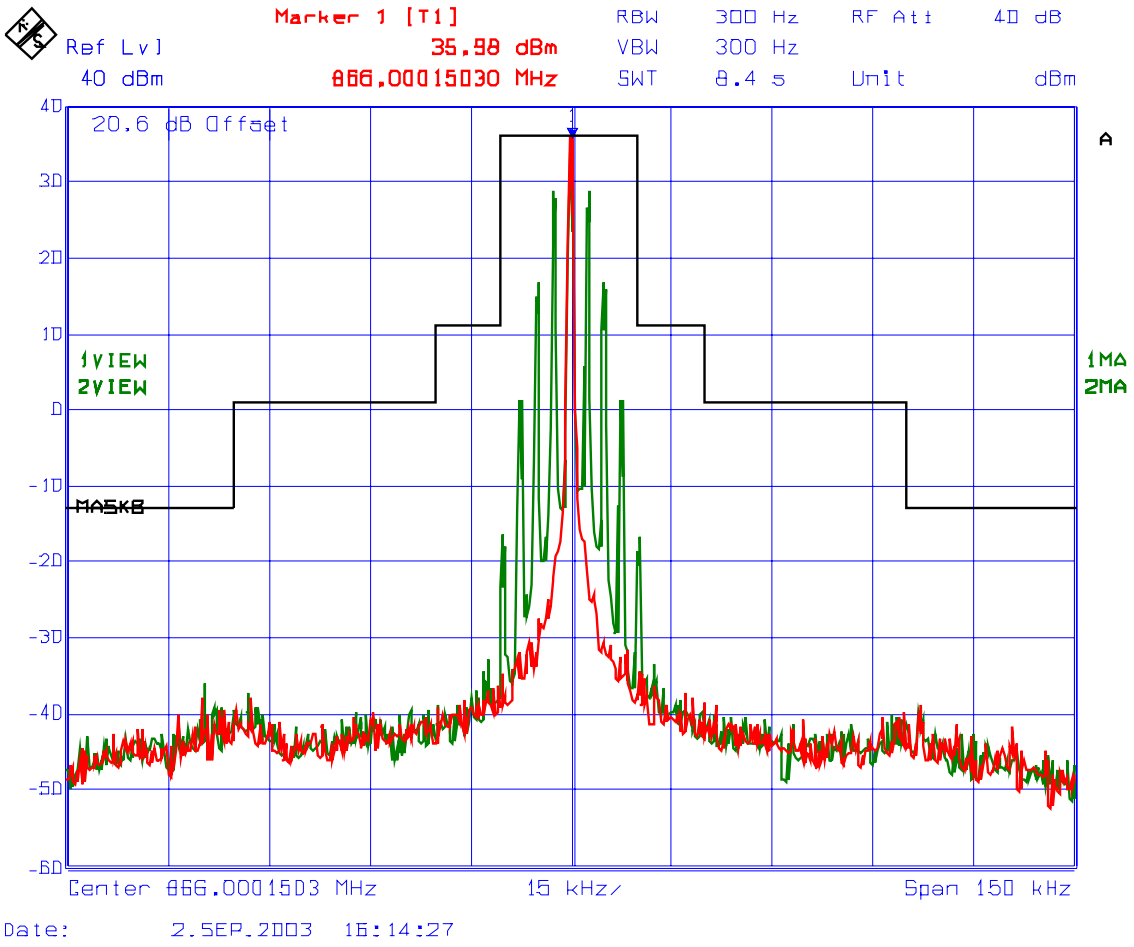


- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 190 Emission Mask B, frequency 866-869 MHz- RF Input
Frequency: 866 MHz, 12.5 kHz Channel Spacing
Modulation: FM modulation with 2.5 kHz Sine wave signal

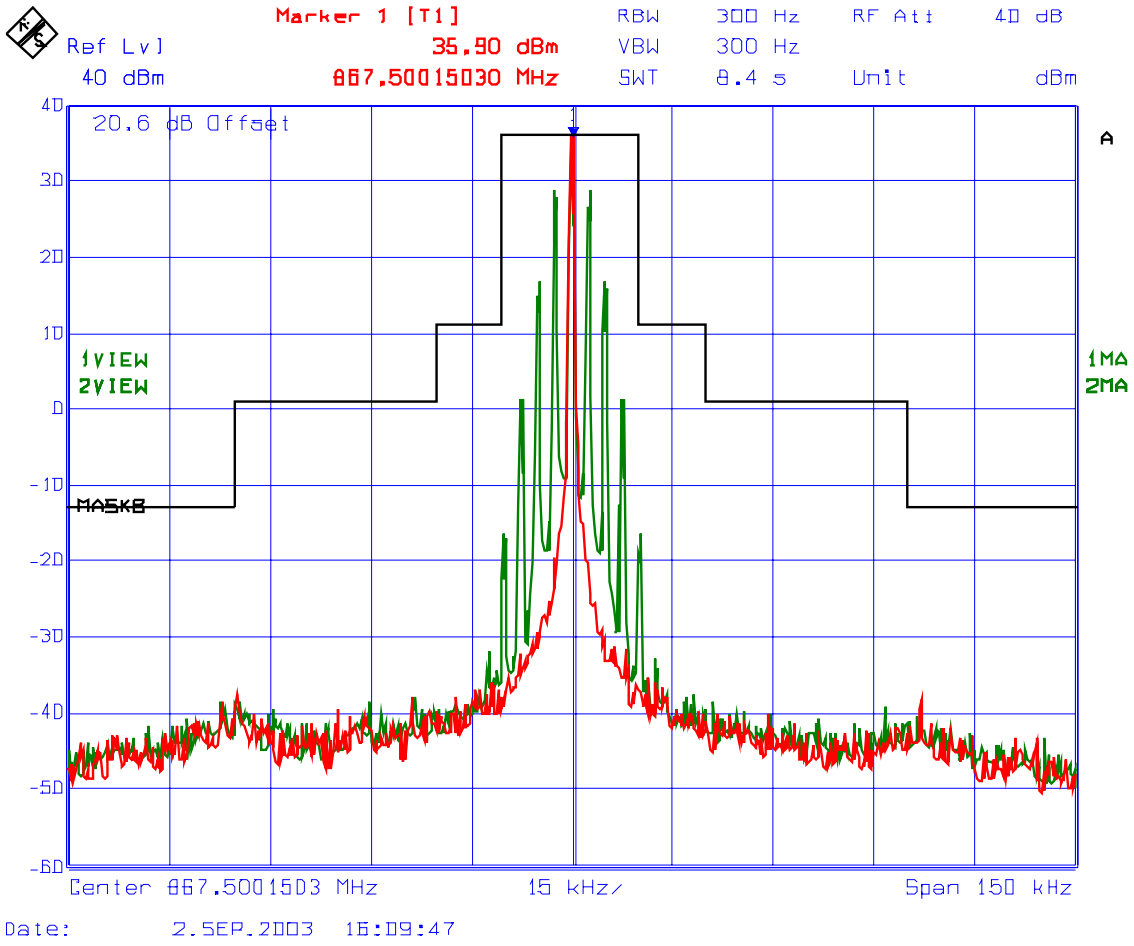


PLOT # 191 Emission Mask B, frequency 866-869 MHz- RF Output
Frequency: 867.5 MHz, 12.5 kHz Channel Spacing
Modulation: FM modulation with 2.5 kHz Sine wave signal



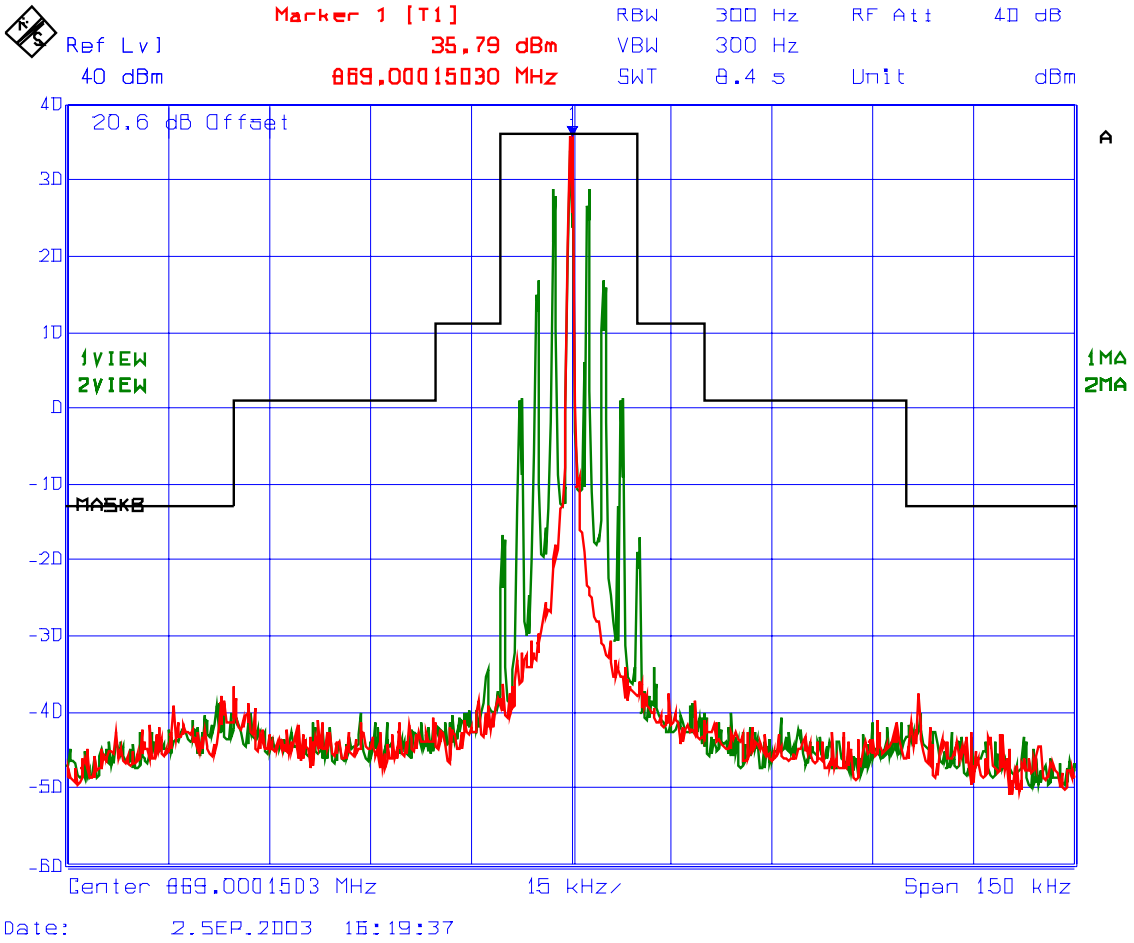
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 192 Emission Mask B, frequency 866-869 MHz- RF Output
Frequency: 867.5 MHz, 12.5 kHz Channel Spacing
Modulation: FM modulation with 2.5 kHz Sine wave signal



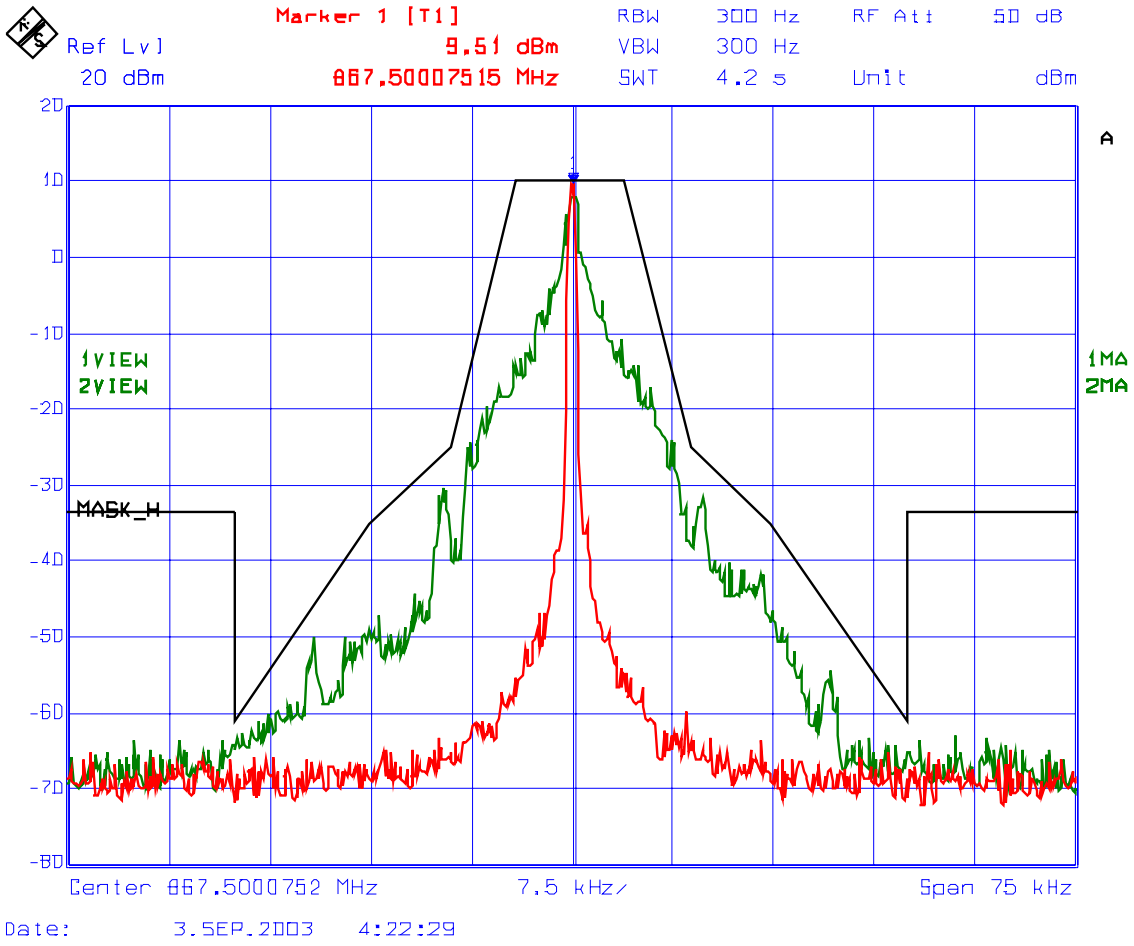
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 193 Emission Mask B, frequency 866-869 MHz- RF Output
Frequency: 869 MHz, 12.5 kHz Channel Spacing
Modulation: FM modulation with 2.5 kHz Sine wave signal



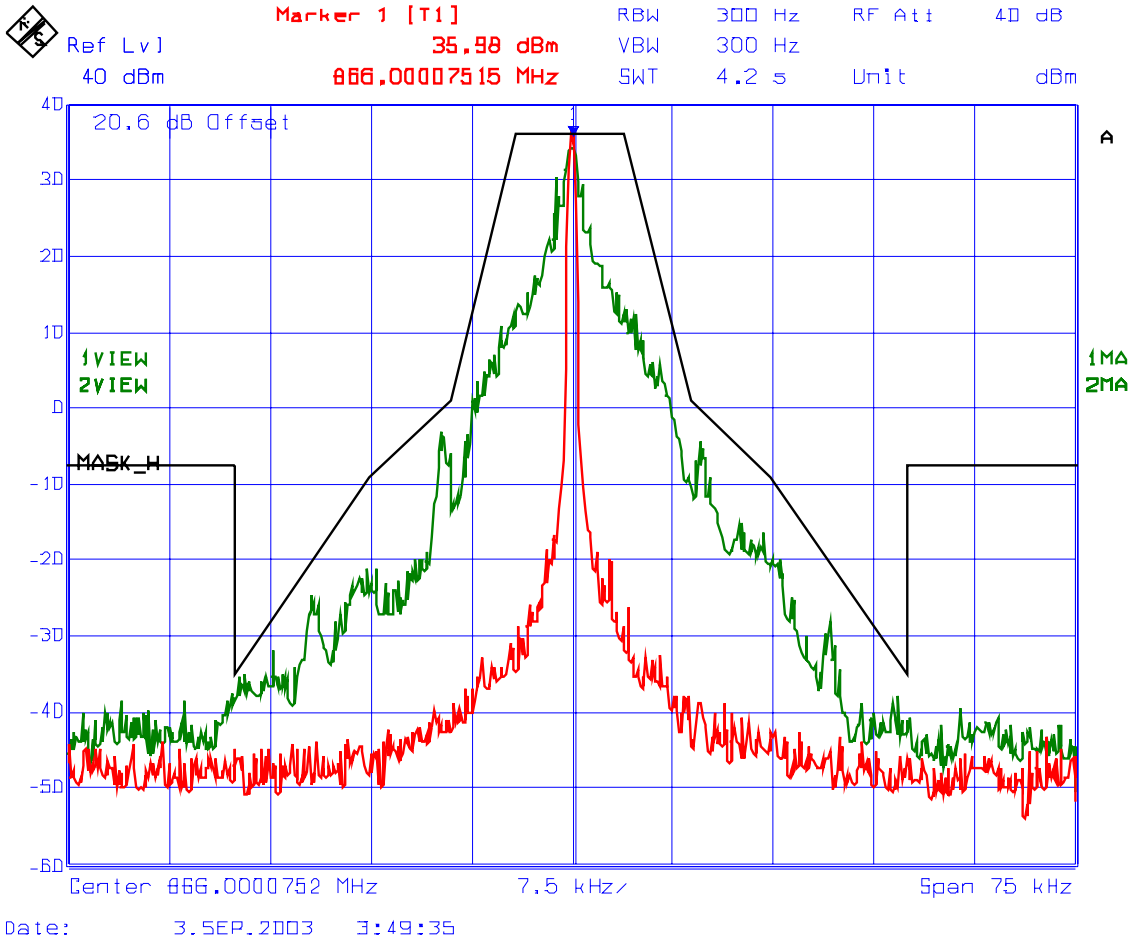
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 194 Emission Mask H, frequency 866-869 MHz- RF Input
Frequency: 866 MHz, 12.5 kHz Channel Spacing
Modulation: FM modulation with an external 9600 b/s random data source

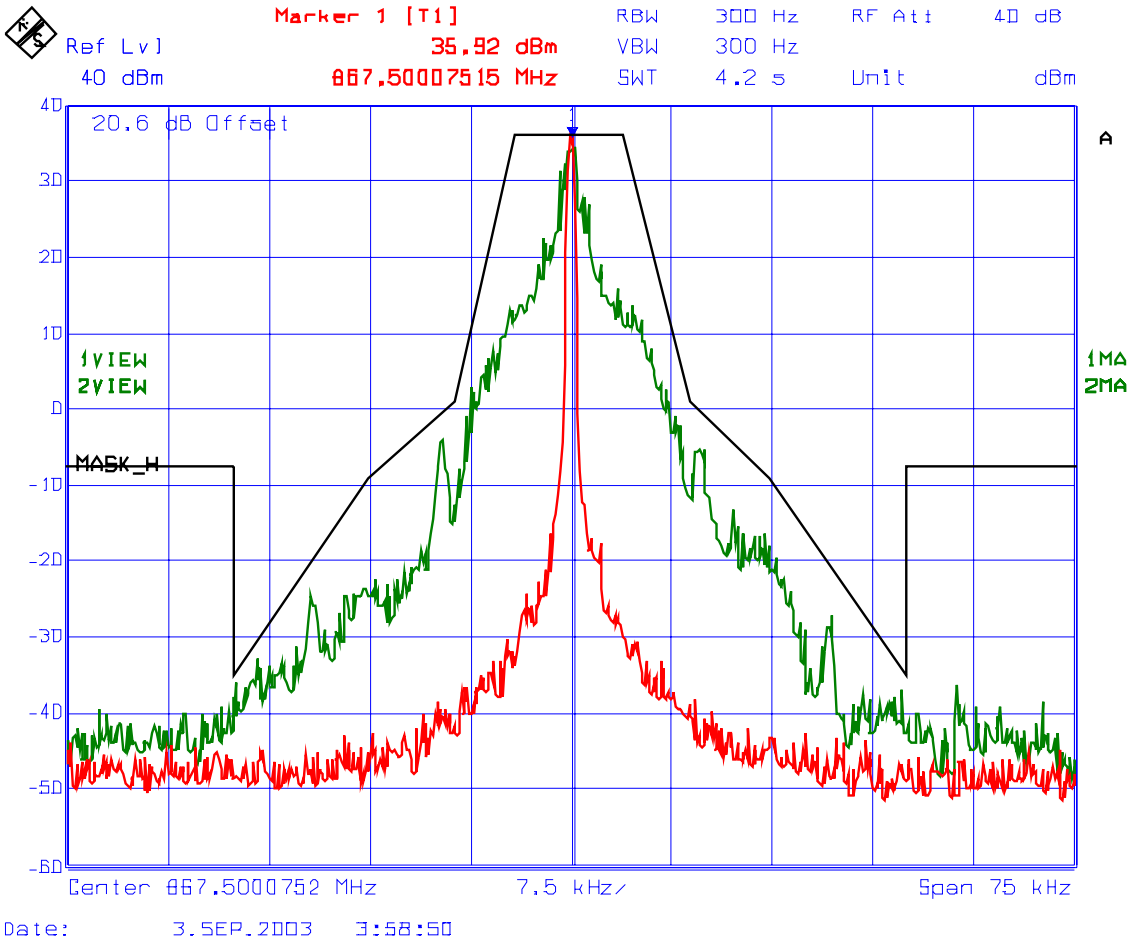


- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 195 Emission Mask H, frequency 866-869 MHz- RF Output
Frequency: 867.5 MHz, 12.5 kHz Channel Spacing
Modulation: FM modulation with an external 9600 b/s random data source

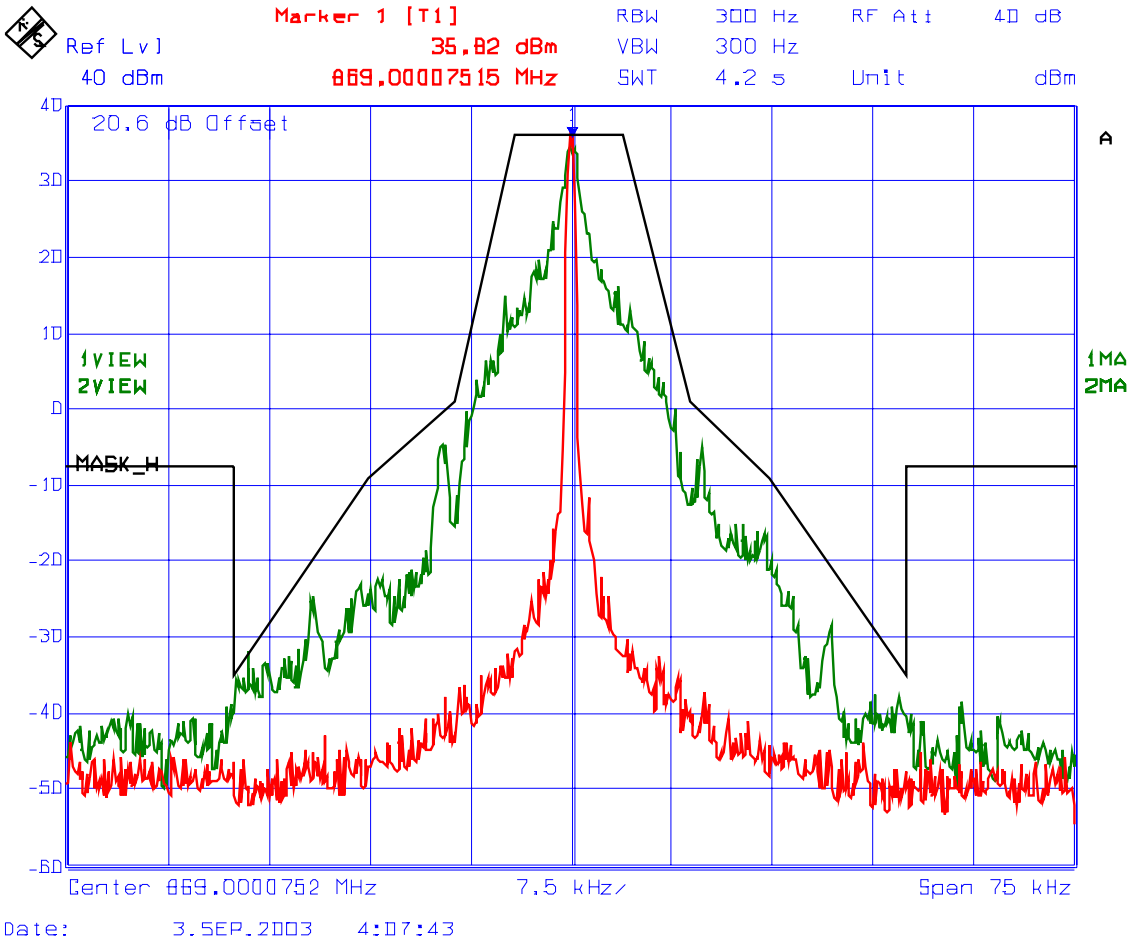


PLOT # 196 Emission Mask H, frequency 866-869 MHz- RF Output
Frequency: 867.5 MHz, 12.5 kHz Channel Spacing
Modulation: FM modulation with an external 9600 b/s random data source



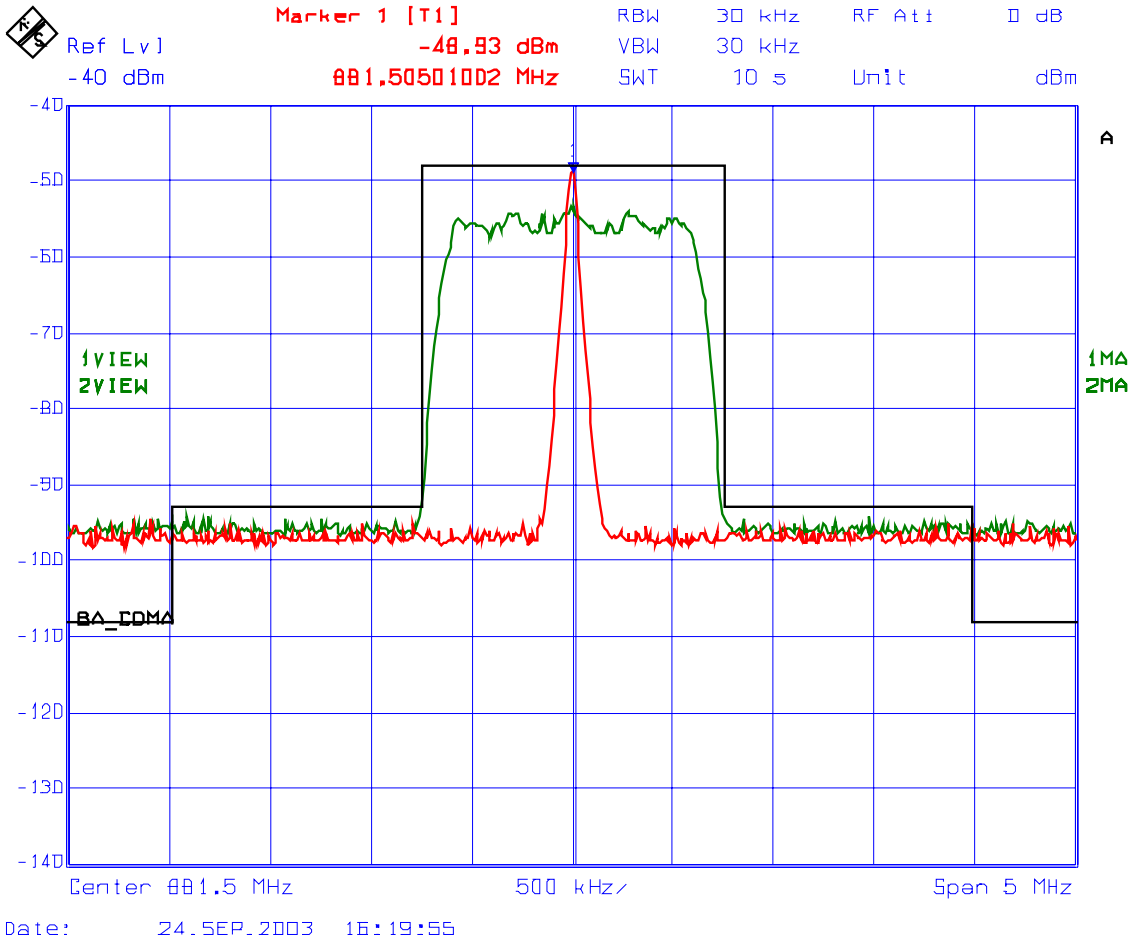
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 197 Emission Mask H, frequency 866-869 MHz- RF Output
Frequency: 869 MHz, 12.5 kHz Channel Spacing
Modulation: FM modulation with an external 9600 b/s random data source



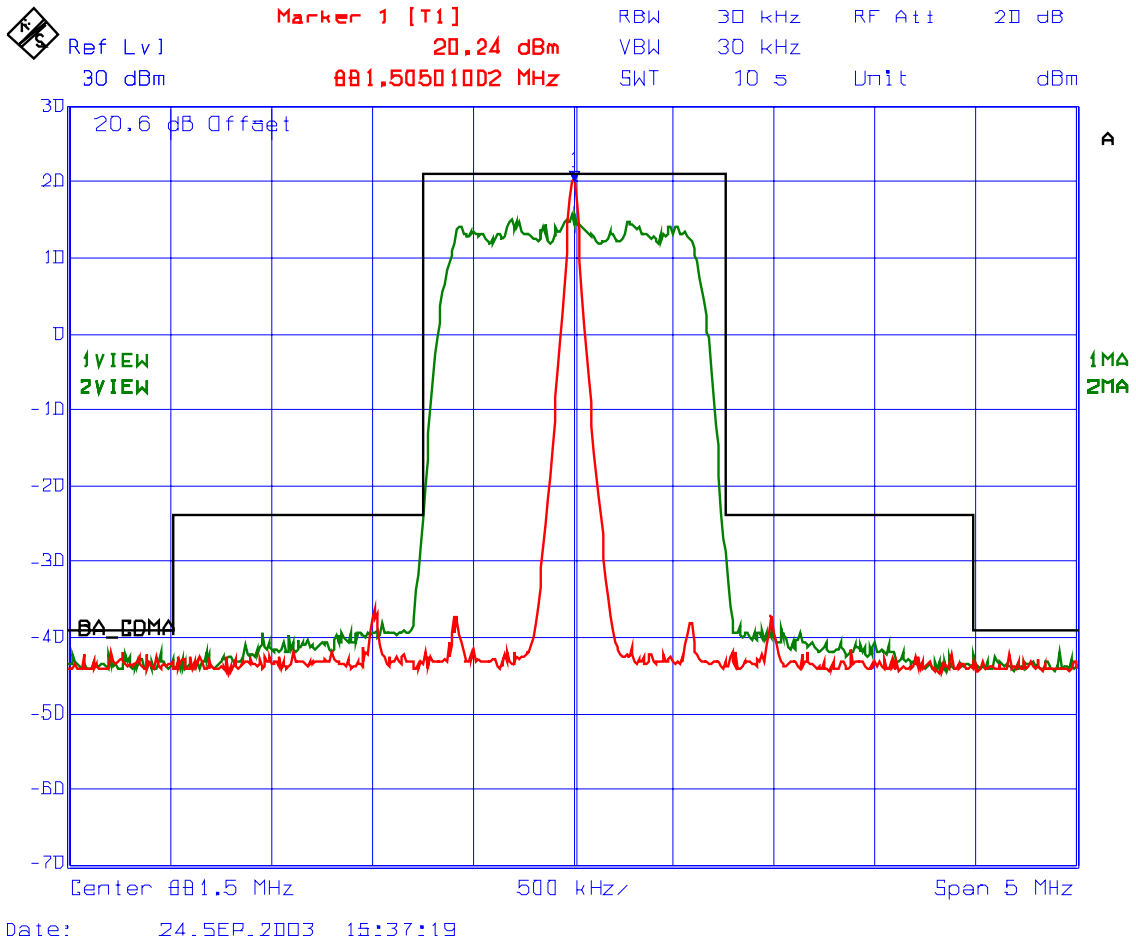
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 198 Base (Downlink) CDMA Mask, frequency 869-894 MHz- RF Input
Frequency: 869 MHz
Modulation: CDMA



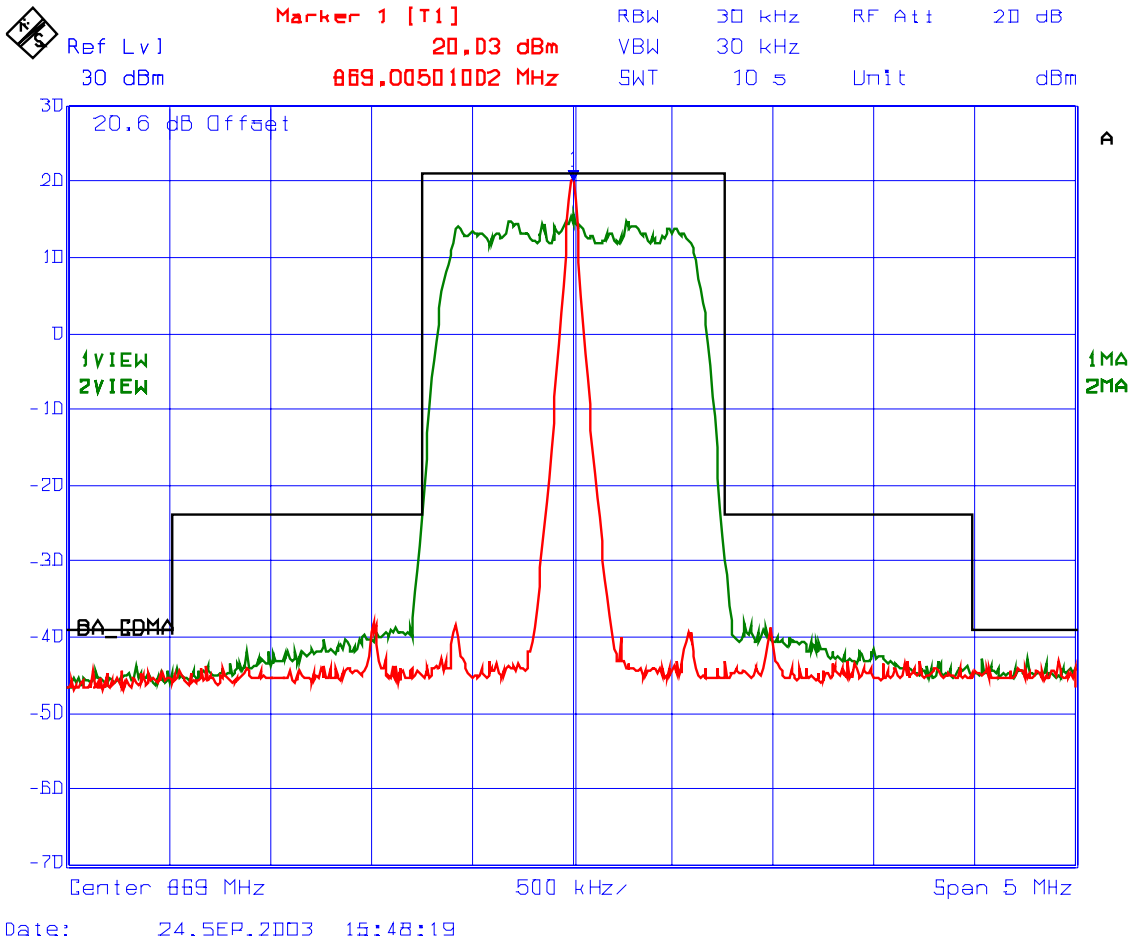
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 199 Base (Downlink) CDMA Mask, frequency 869-894 MHz- RF Output
Frequency: 881.5 MHz
Modulation: CDMA



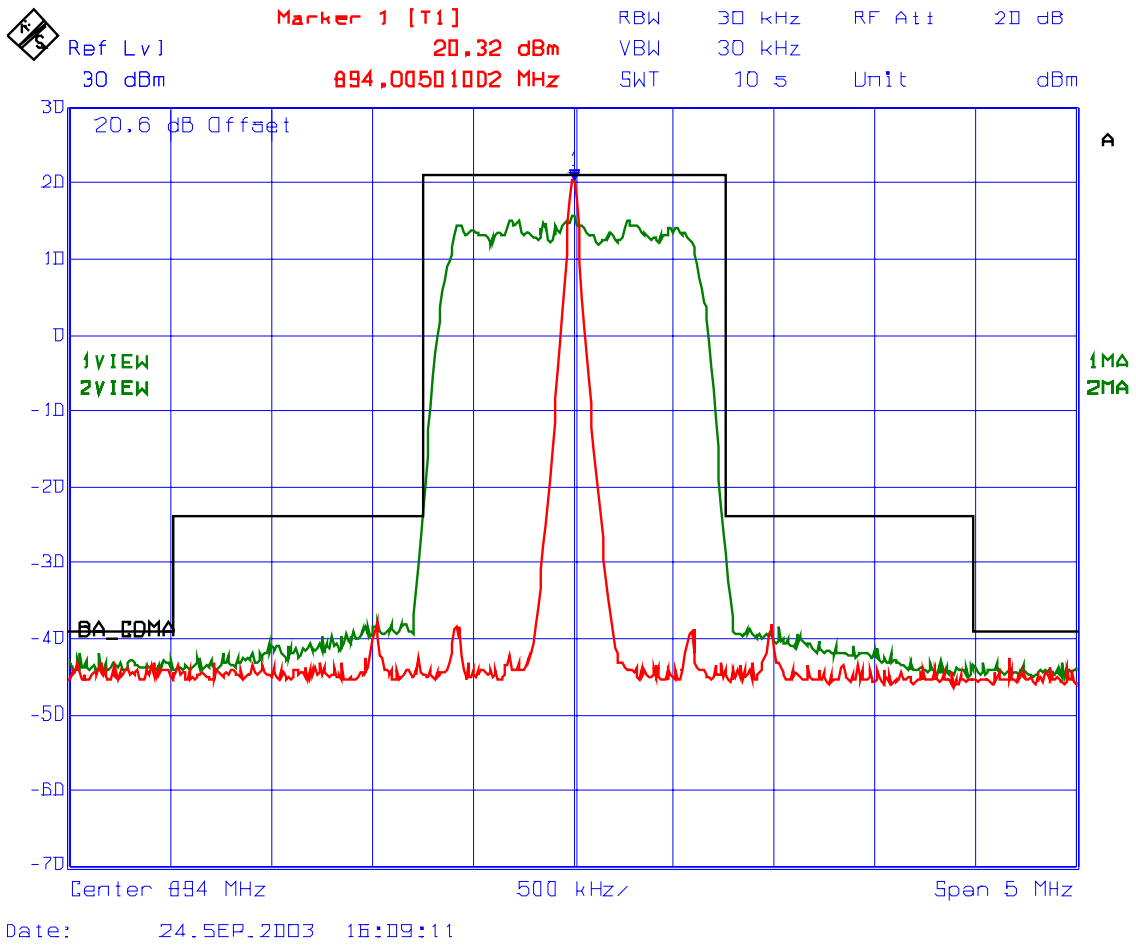
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 200 Base (Downlink) CDMA Mask, frequency 869-894 MHz- RF Output
Frequency: 881.5 MHz
Modulation: CDMA
The Spectrum was inside the Mask, because the level was too low therefore higher than limit level



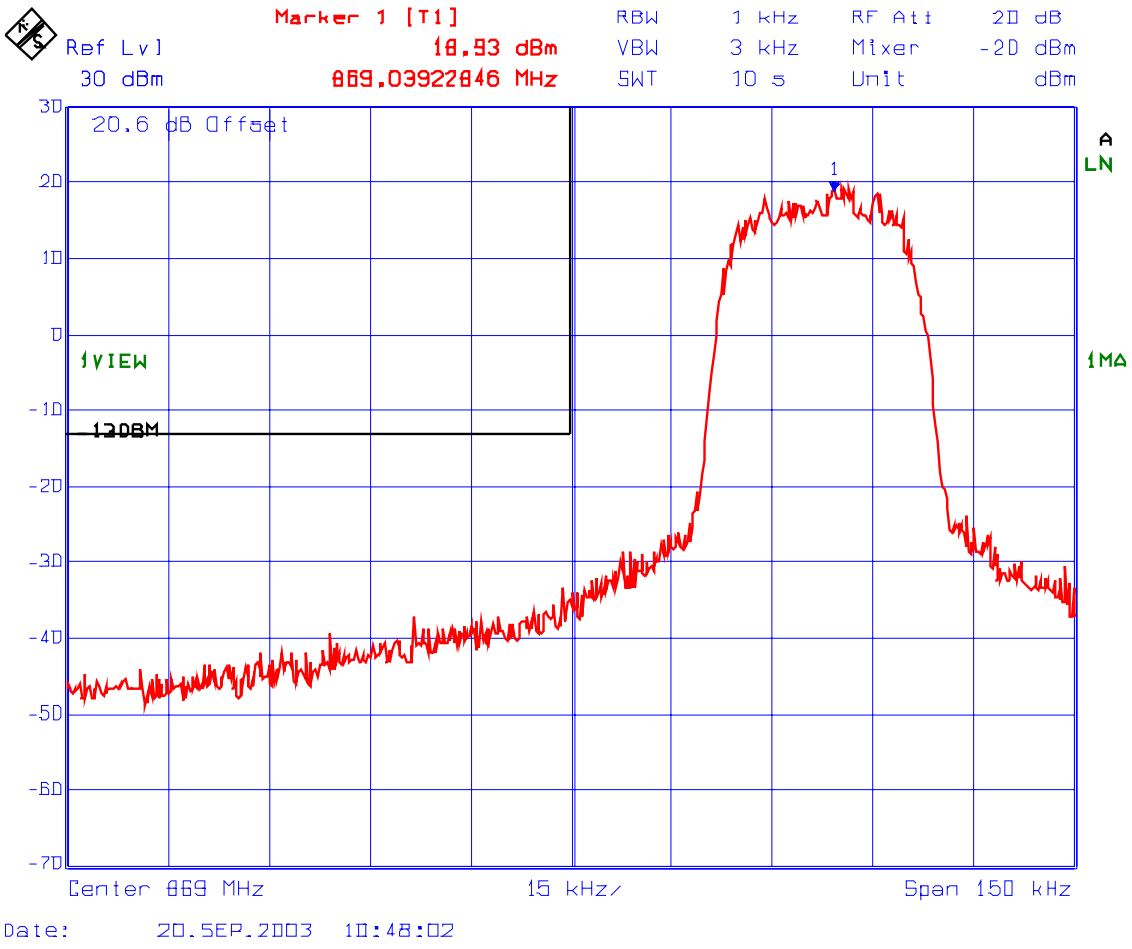
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 201 Base (Downlink) CDMA Mask, frequency 869-894 MHz- RF Output
Frequency: 894 MHz
Modulation: CDMA



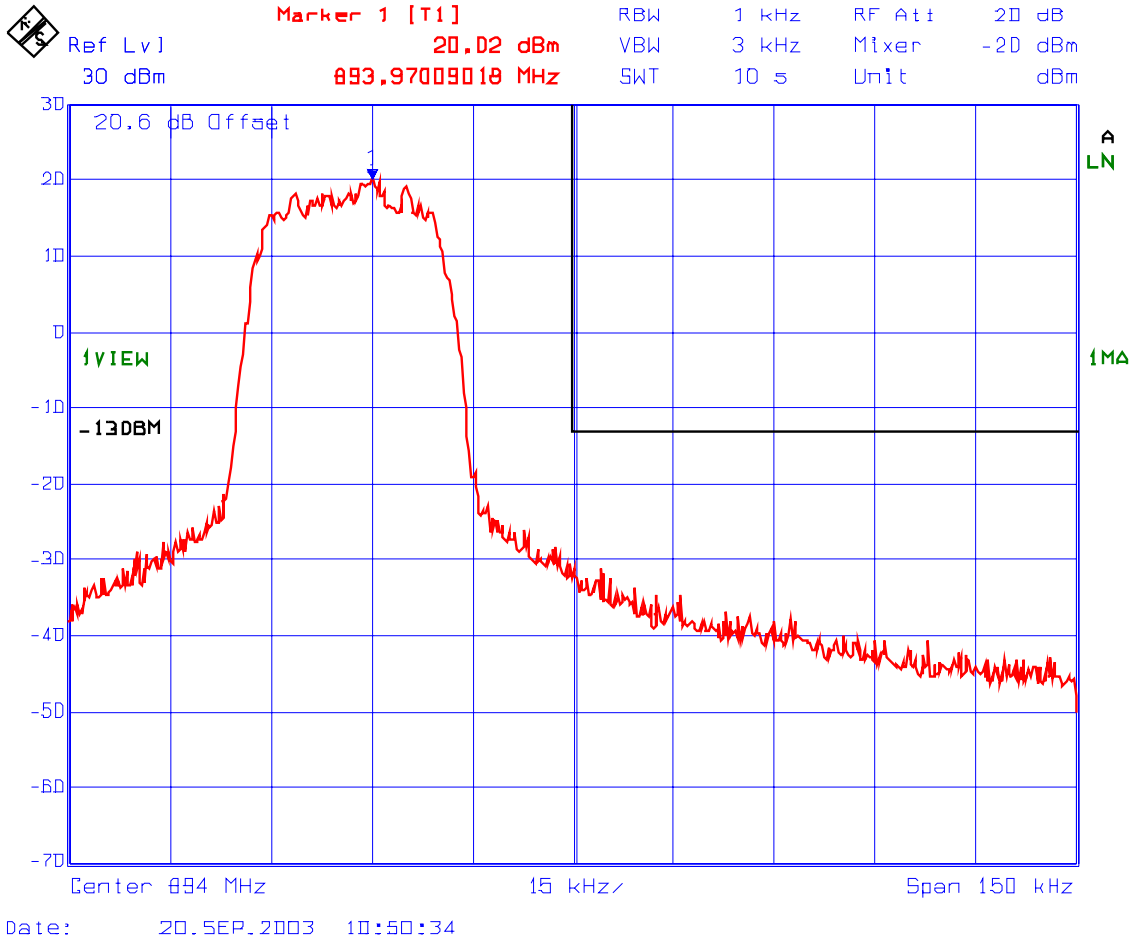
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 202 Lower Band-Edge 869-894 MHz
Frequency: 869 MHz
Modulation: TDMA



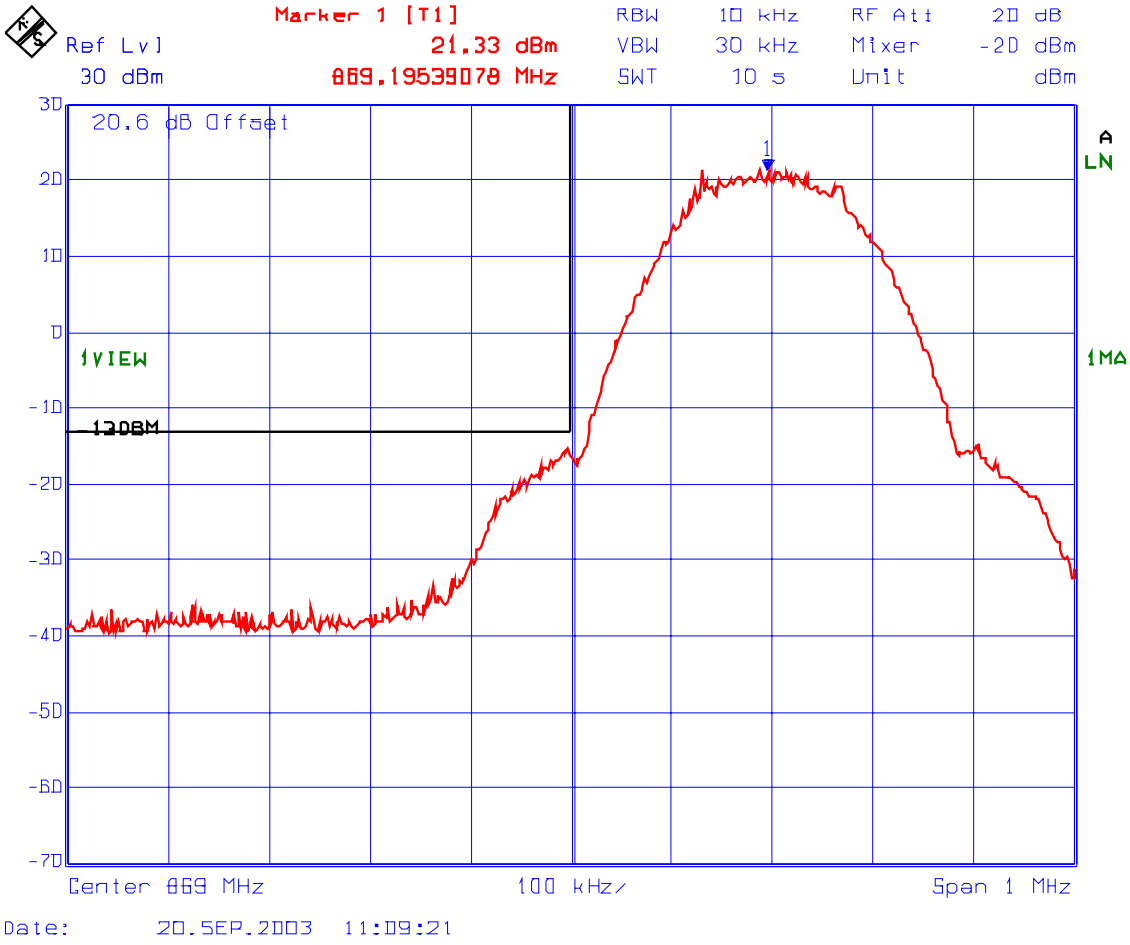
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 203 Upper Band-Edge 869-894 MHz
Frequency: 894 MHz
Modulation: TDMA



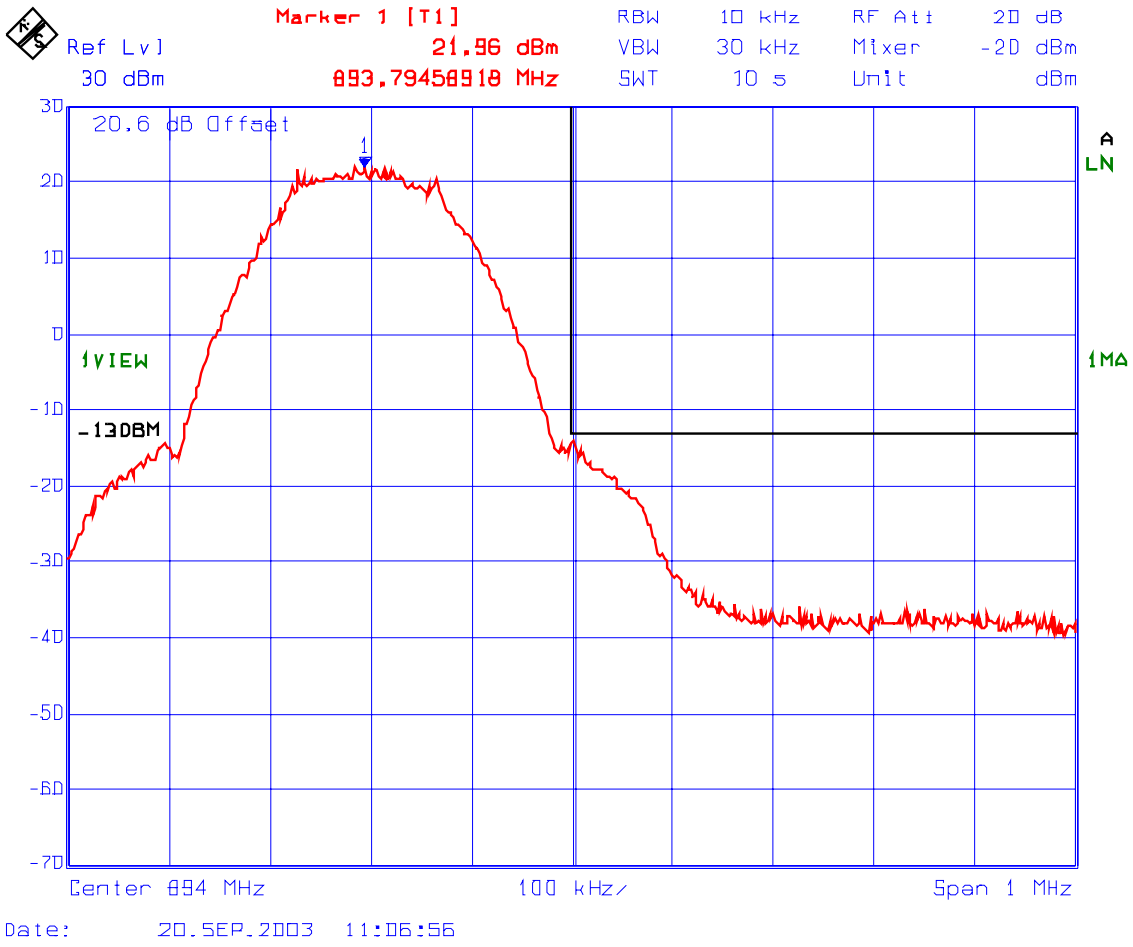
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 204 Lower Band-Edge 869-894 MHz
Frequency: 869 MHz
Modulation: GSM



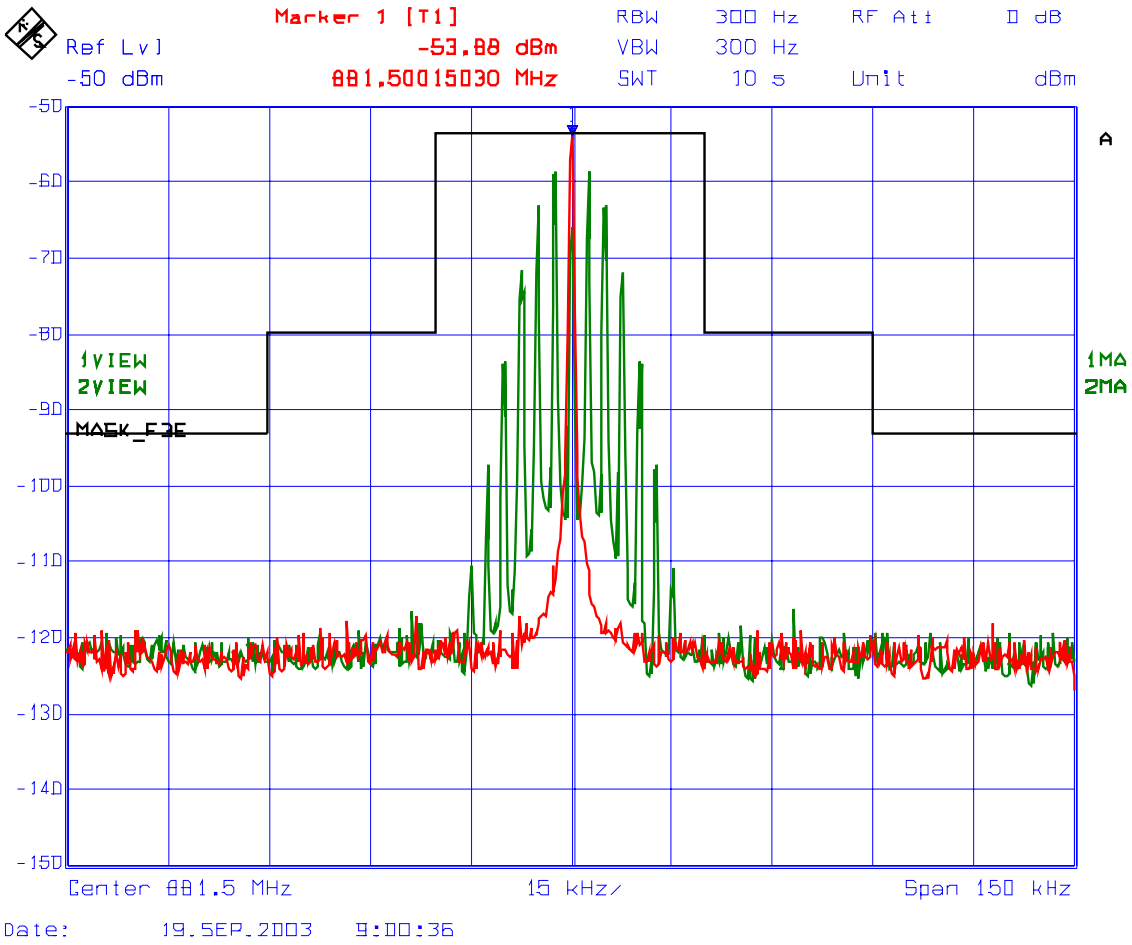
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 205 Upper Band-Edge 869-894 MHz
Frequency: 894 MHz
Modulation: GSM

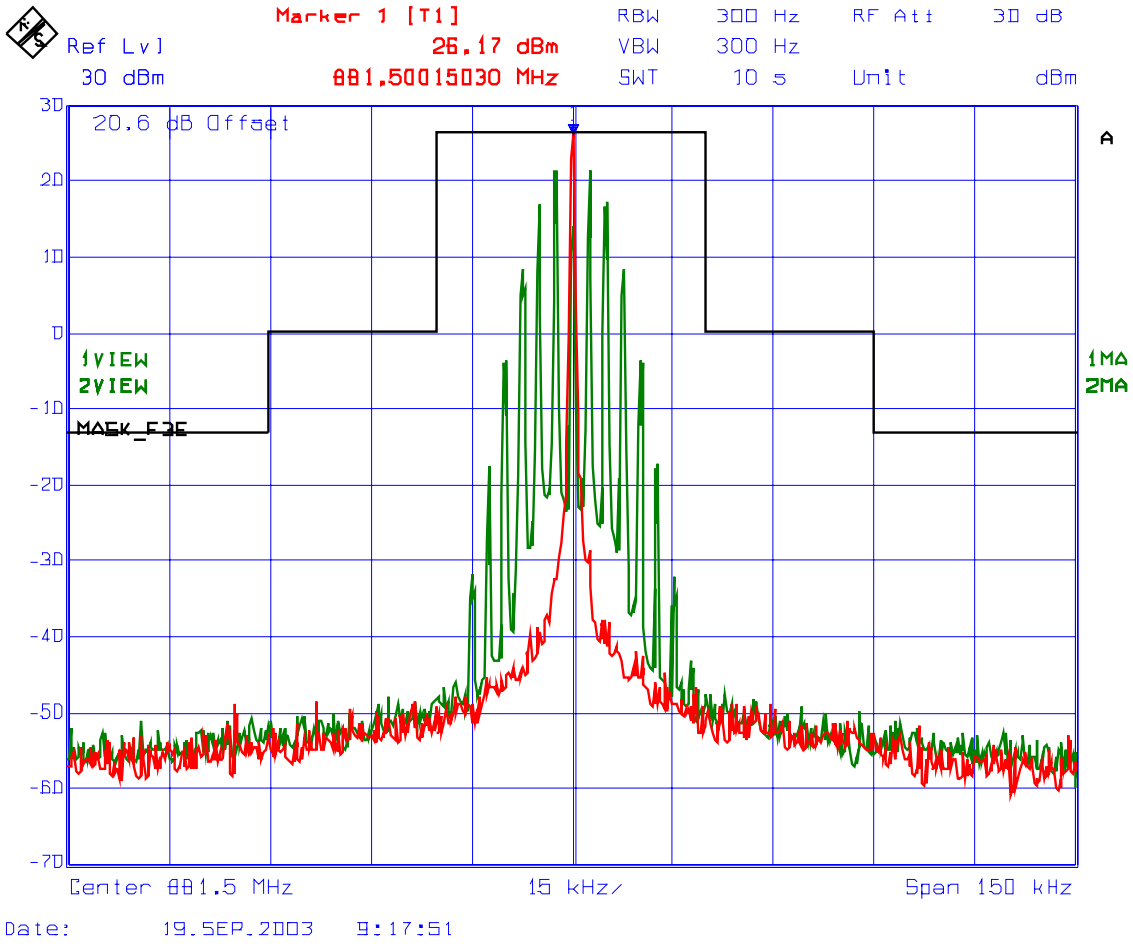


- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 206 Emission Mask F3E, frequency 869-894 MHz- RF Input
Frequency: 869 MHz
Modulation: FM Modulation with 2.5 kHz Sine Wave Signal

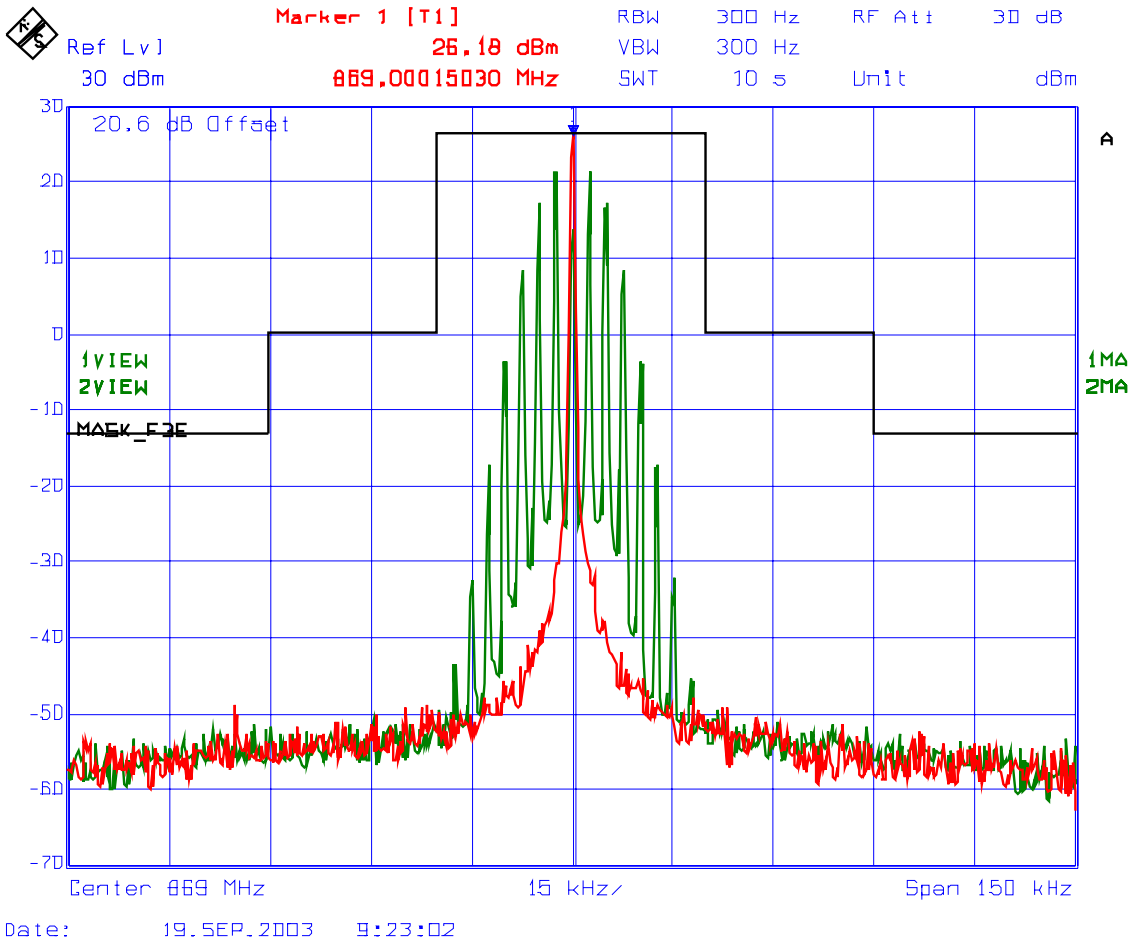


PLOT # 207 Emission Mask F3E, frequency 869-894 MHz- RF Output
Frequency: 881.5 MHz
Modulation: FM Modulation with 2.5 kHz Sine Wave Signal



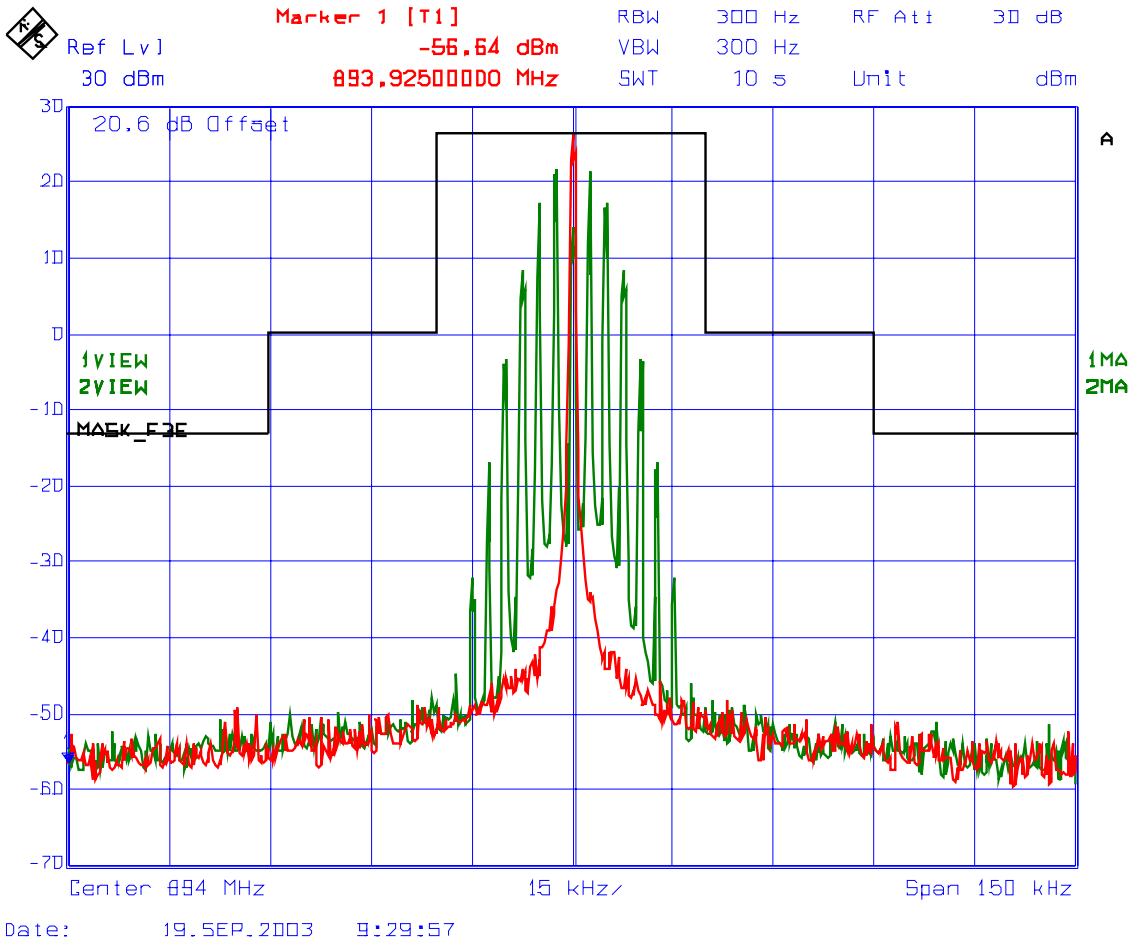
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 208 Emission Mask F3E, frequency 869-894 MHz- RF Output
Frequency: 881.5 MHz
Modulation: FM Modulation with 2.5 kHz Sine Wave Signal



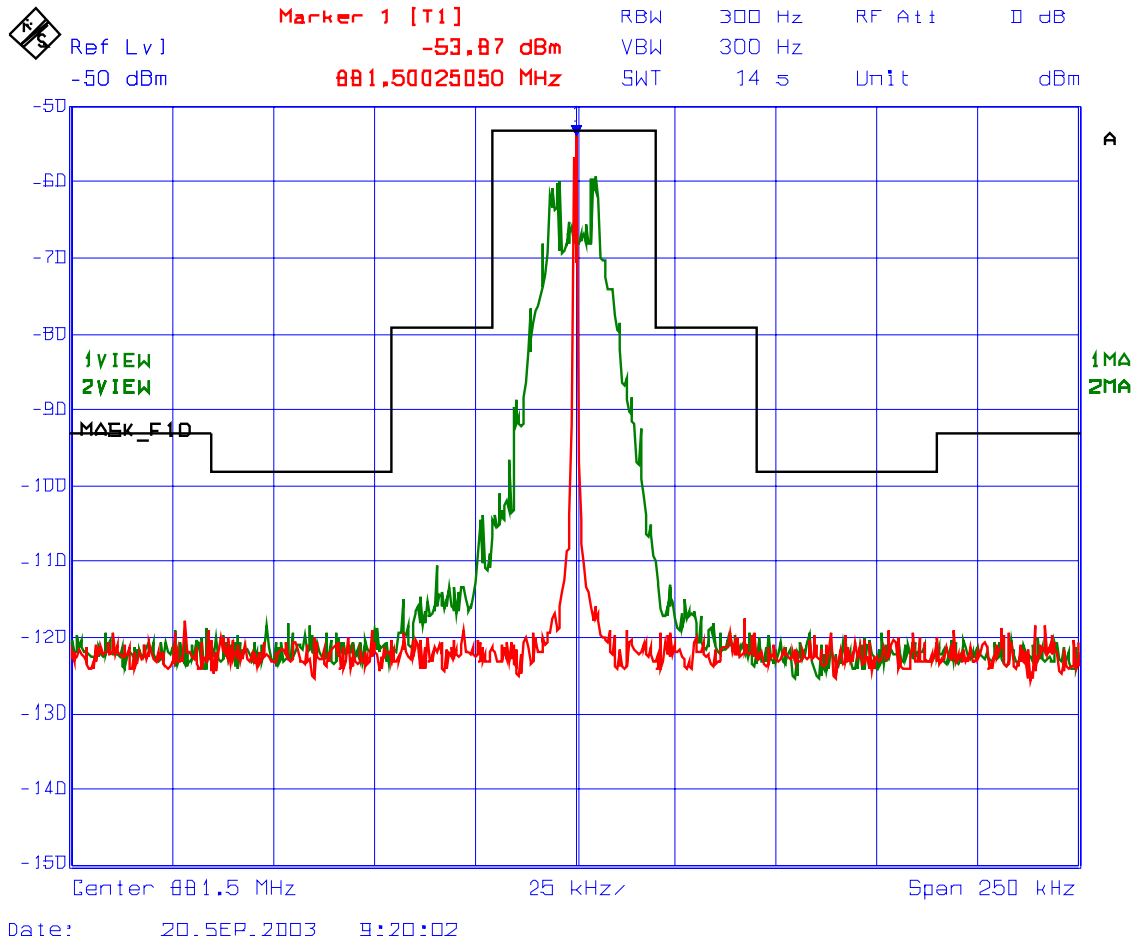
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 209 Emission Mask F3E, frequency 869-894 MHz- RF Output
Frequency: 894 MHz
Modulation: FM Modulation with 2.5 kHz Sine Wave Signal



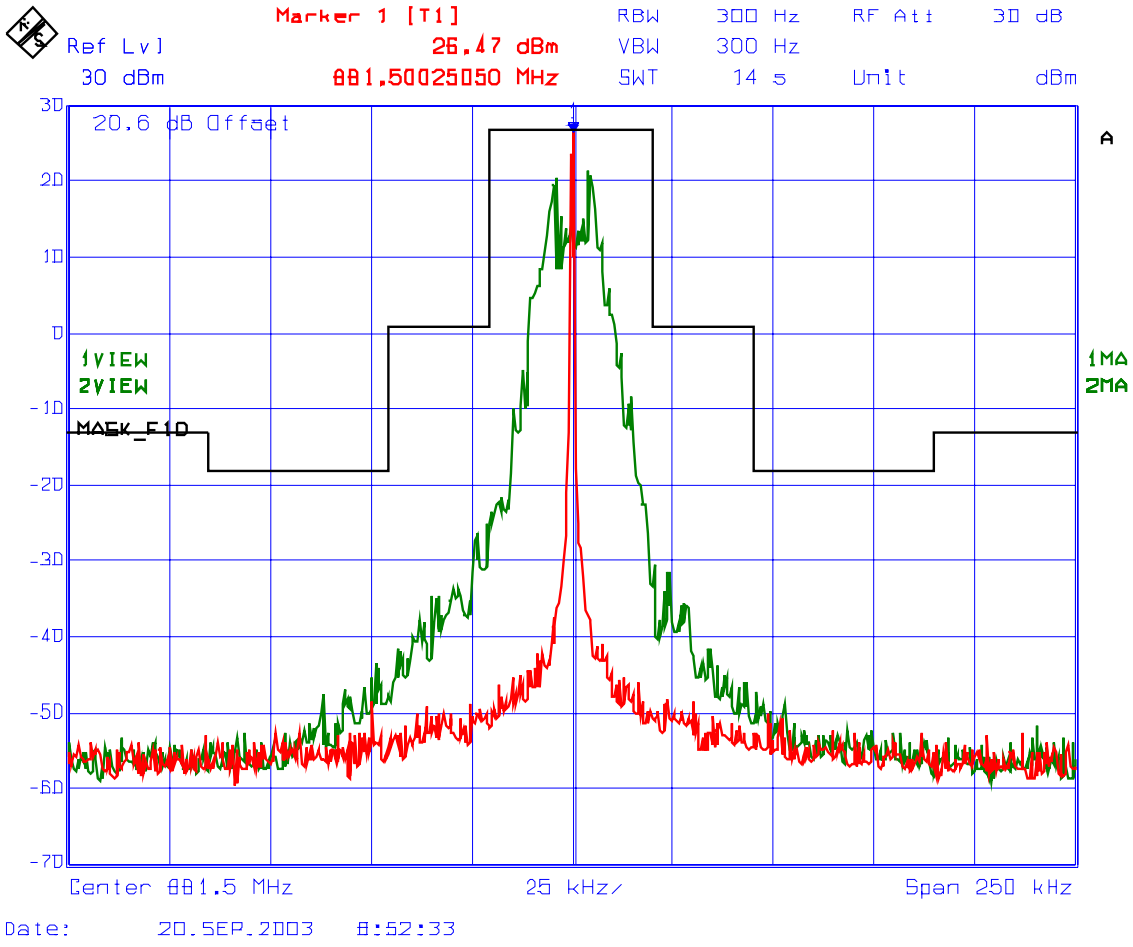
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 210 Emission Mask F1D, frequency 869-894 MHz- RF Input
Frequency: 869 MHz
Modulation: FM Modulation with an external 9600 b/s random data source



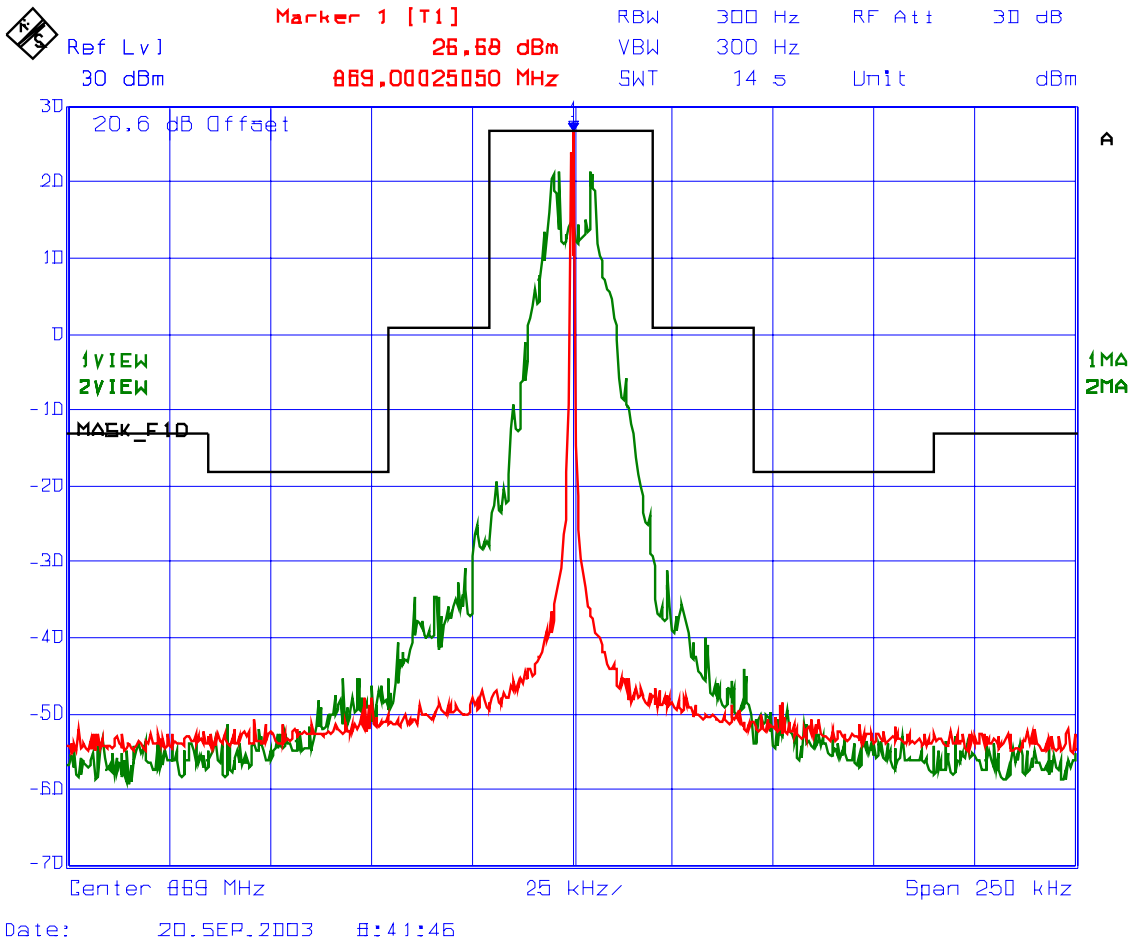
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 211 Emission Mask F1D, frequency 869-894 MHz- RF Output
Frequency: 881.5 MHz
Modulation: FM Modulation with an external 9600 b/s random data source



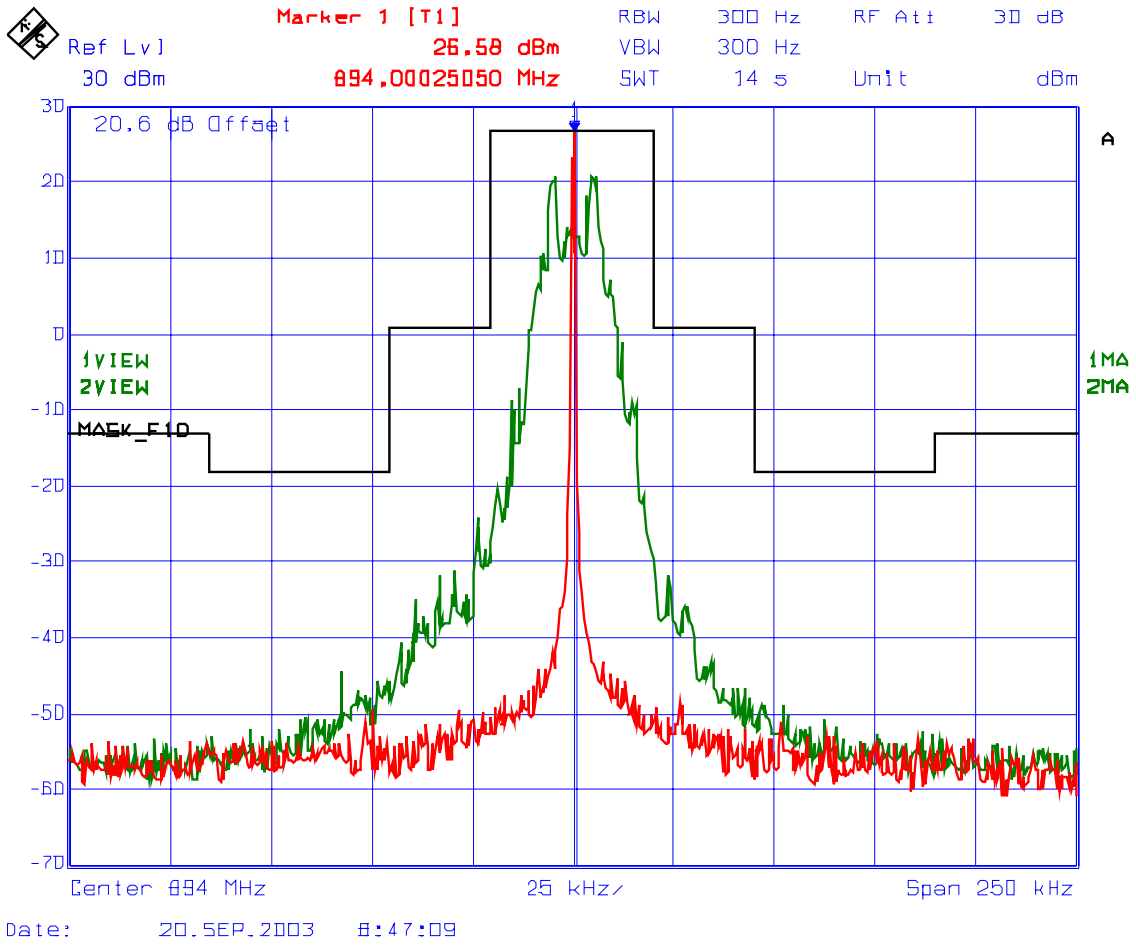
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 212 Emission Mask F1D, frequency 869-894 MHz- RF Output
Frequency: 881.5 MHz
Modulation: FM Modulation with an external 9600 b/s random data source



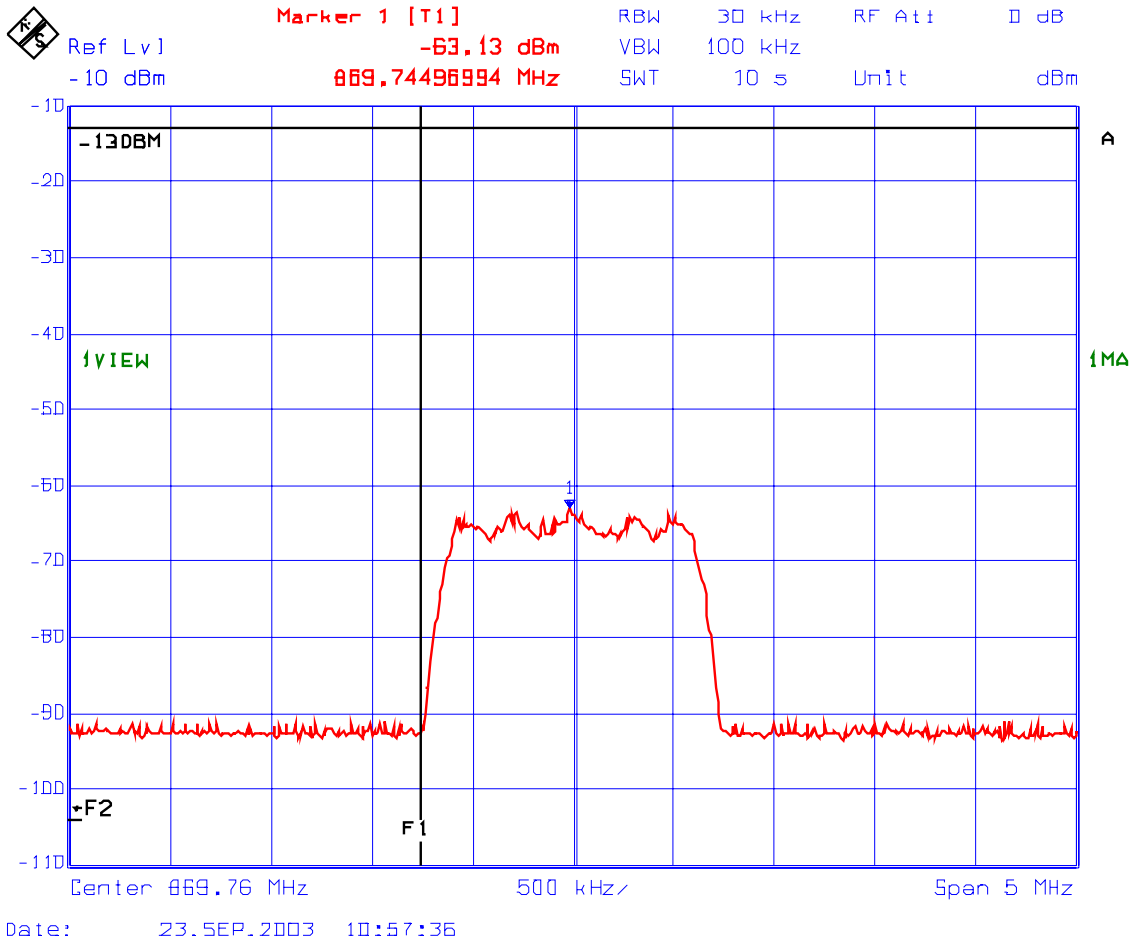
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 213 Emission Mask F1D, frequency 869-894 MHz- RF Output
Frequency: 894 MHz
Modulation: FM Modulation with an external 9600 b/s random data source



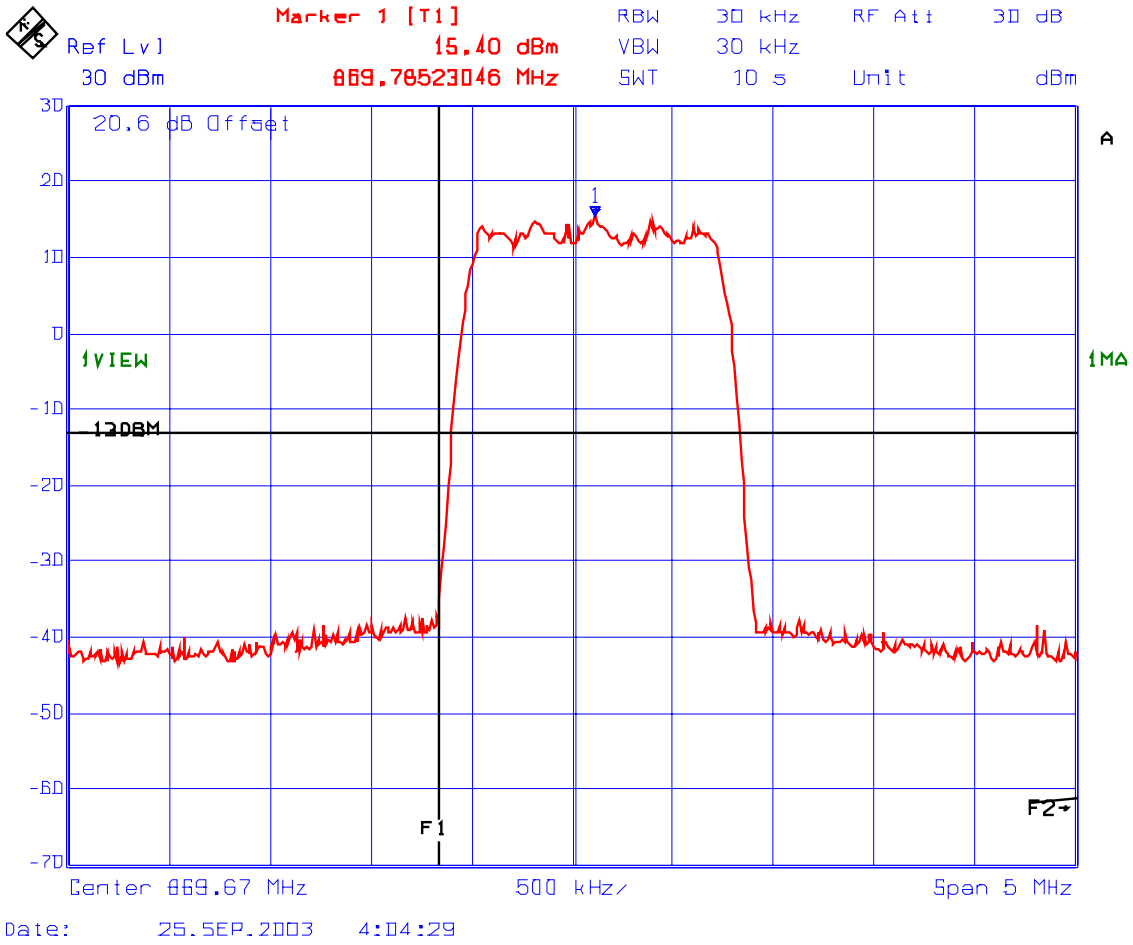
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 214 Lower Band-Edge RF Input band 869 - 894 MHz
Fc: 869.76 MHz



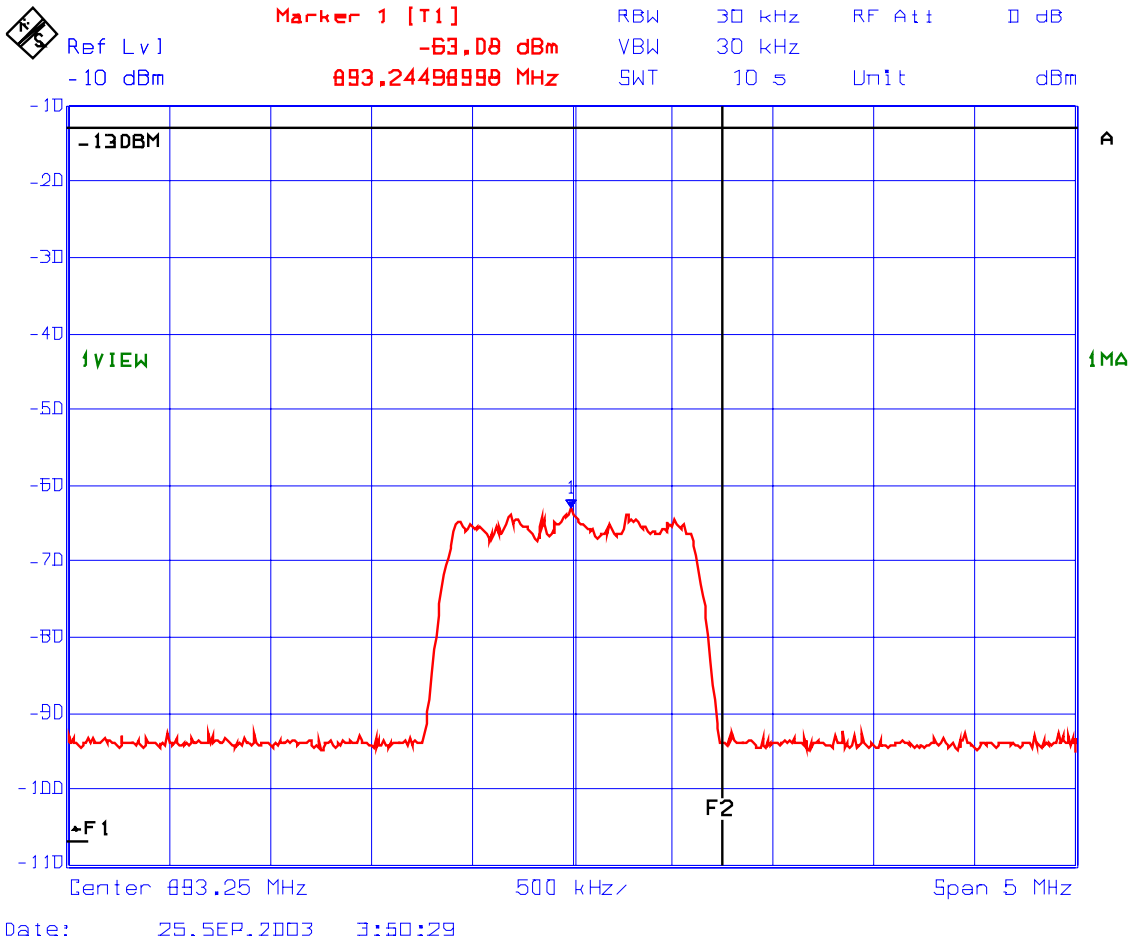
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 215 Lower Band-Edge RF Output band 869 - 894 MHz
Fc: 869.76 MHz



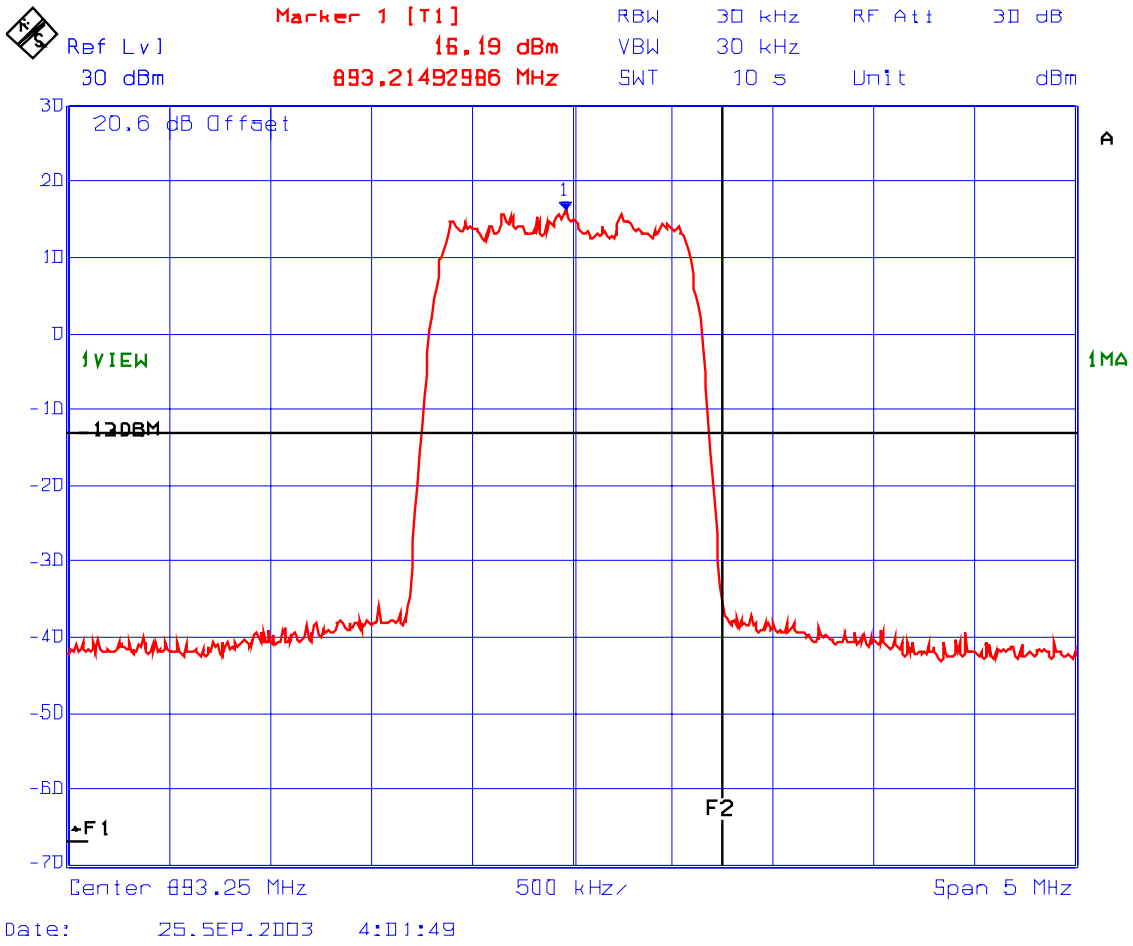
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 216 Upper Band-Edge RF Input band 869 - 894 MHz
Fc: 893.25 MHz



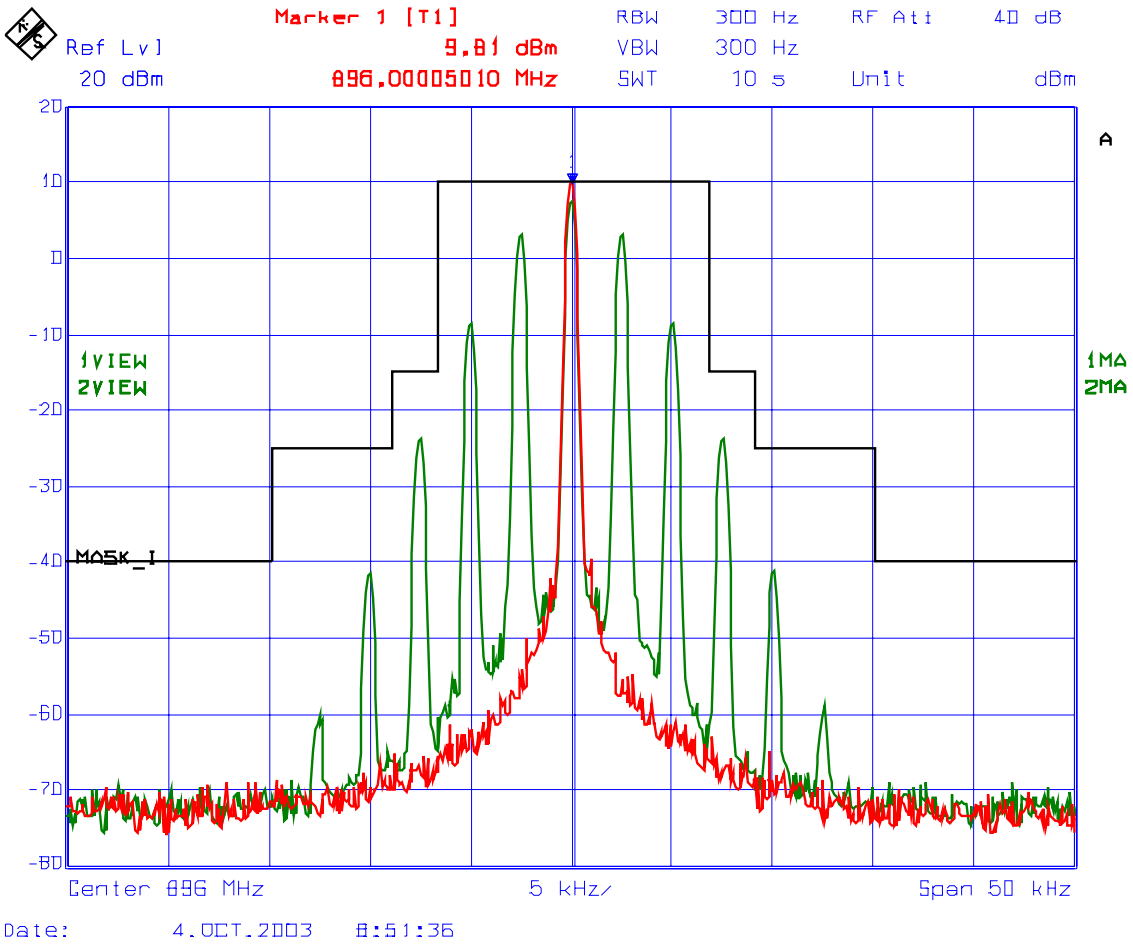
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 217 Upper Band-Edge RF Output band 869 - 894 MHz
Fc: 893.25 MHz



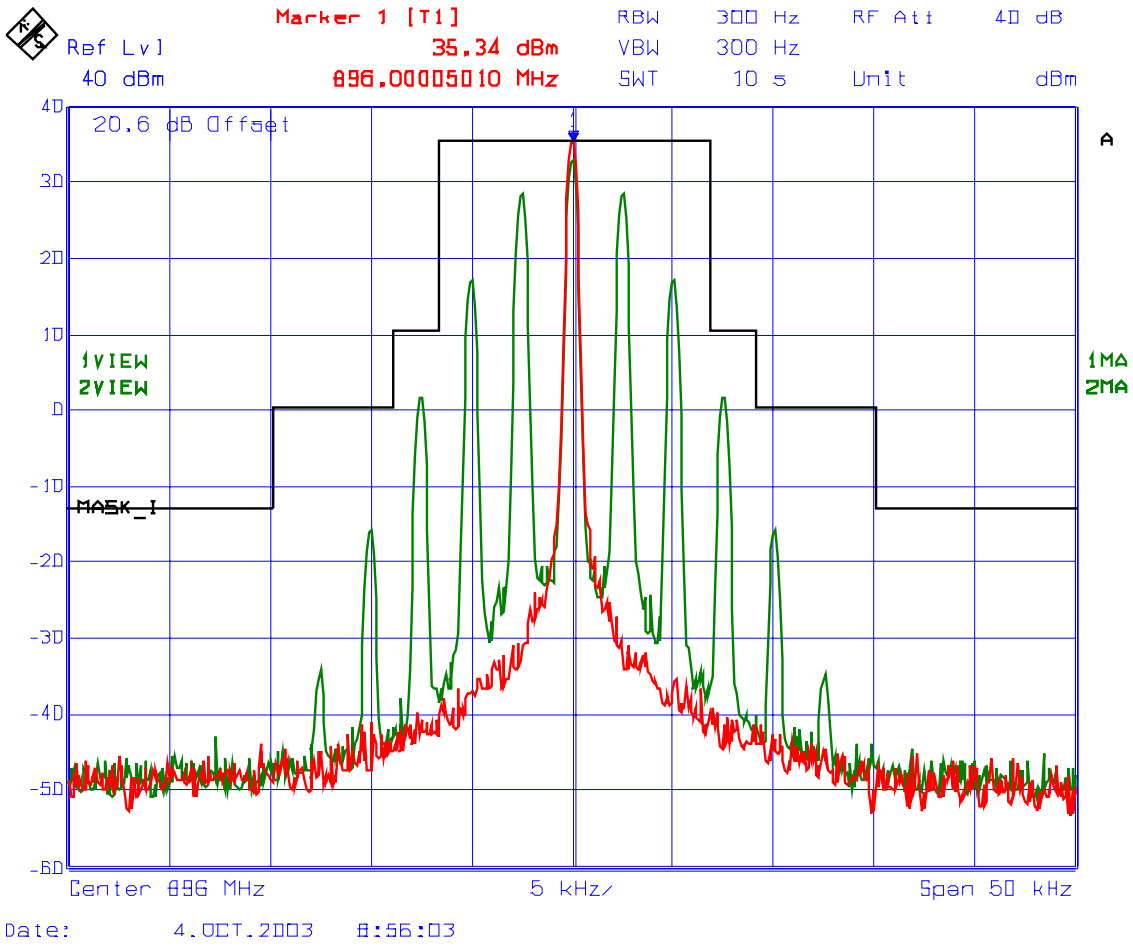
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 218 Emission Mask I, frequency 896 & 901 MHz- RF Input
Frequency: 896 MHz, 12.5 kHz Channel Spacing
Modulation: FM modulation with 2.5 kHz Sine wave signal



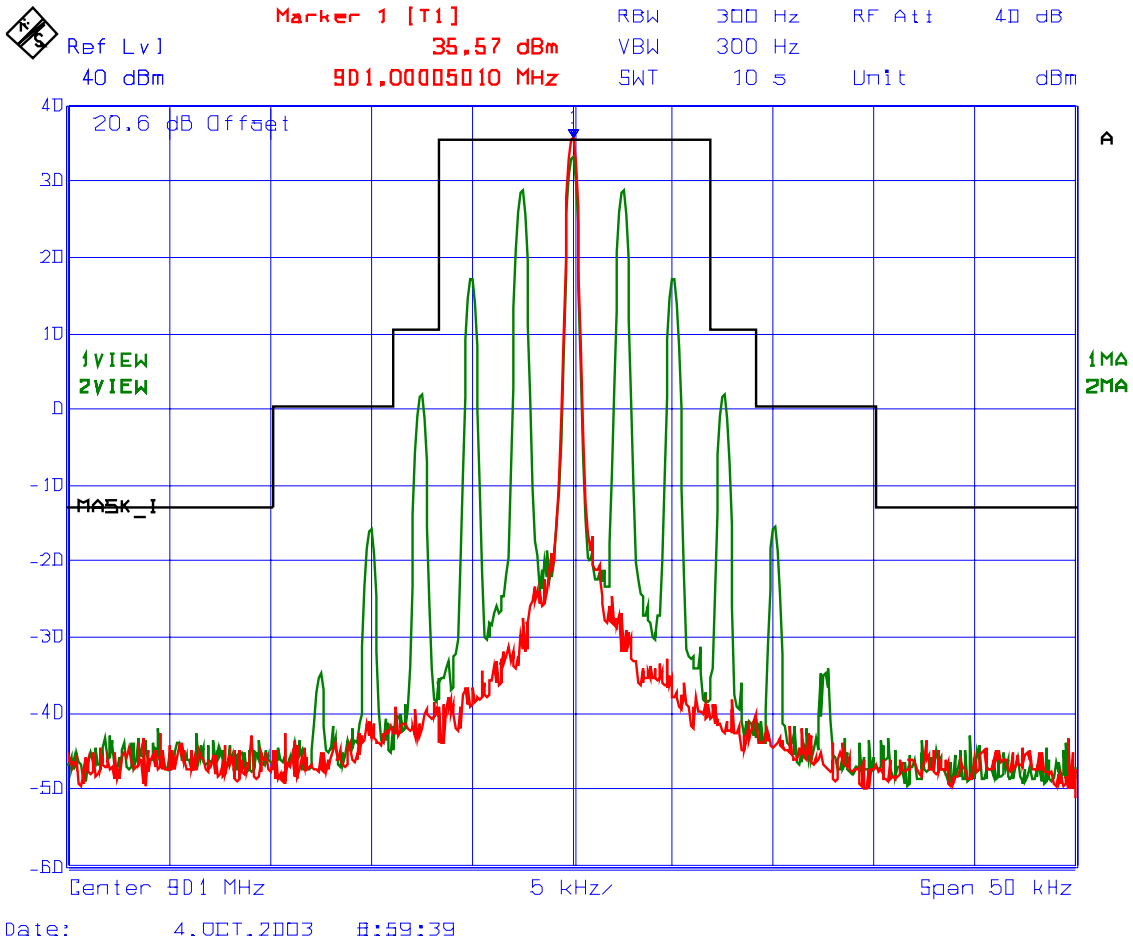
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 219 Emission Mask I, frequency 896 & 901 MHz- RF Output
Frequency: 896 MHz, 12.5 kHz Channel Spacing
Modulation: FM modulation with 2.5 kHz Sine wave signal



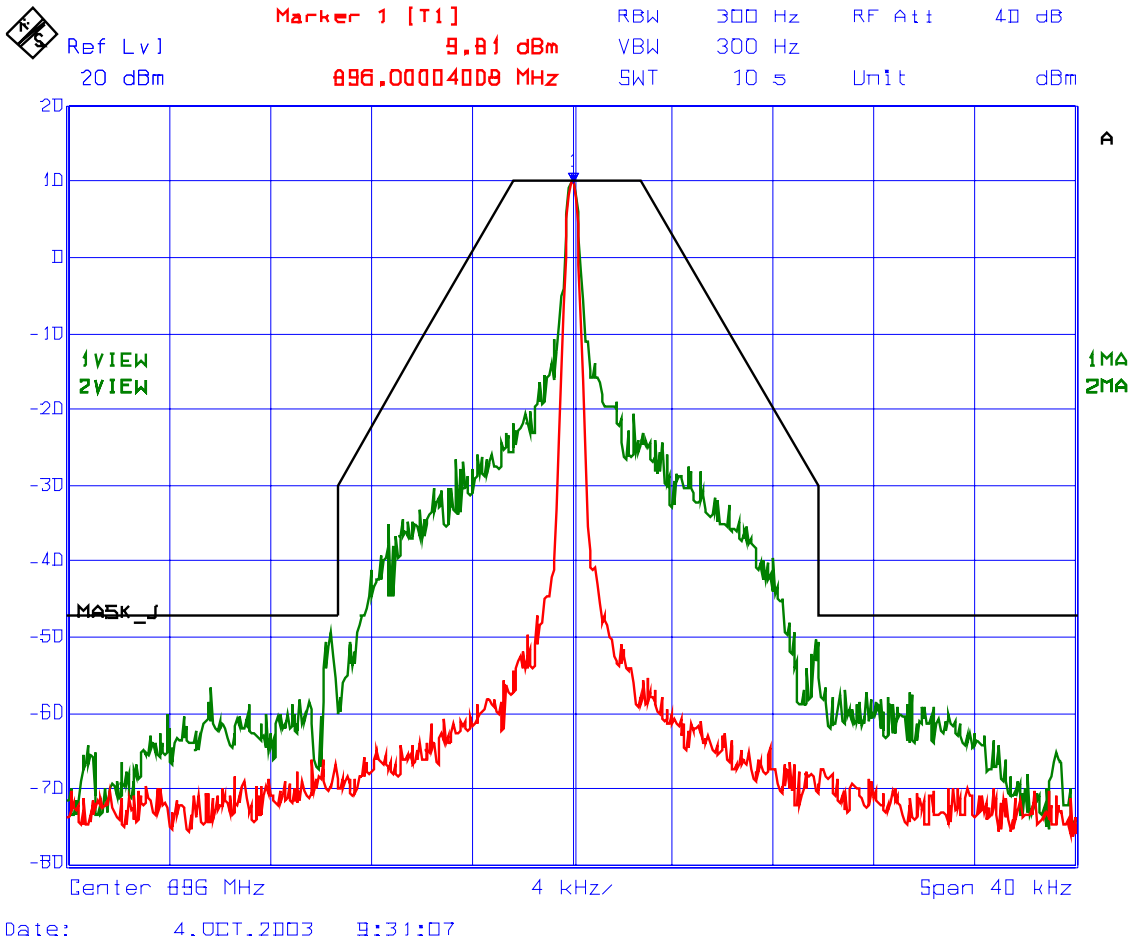
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 220 Emission Mask I, frequency 896 & 901 MHz RF Output
Frequency: 901 MHz, 12.5 kHz Channel Spacing
Modulation: FM modulation with 2.5 kHz Sine wave signal



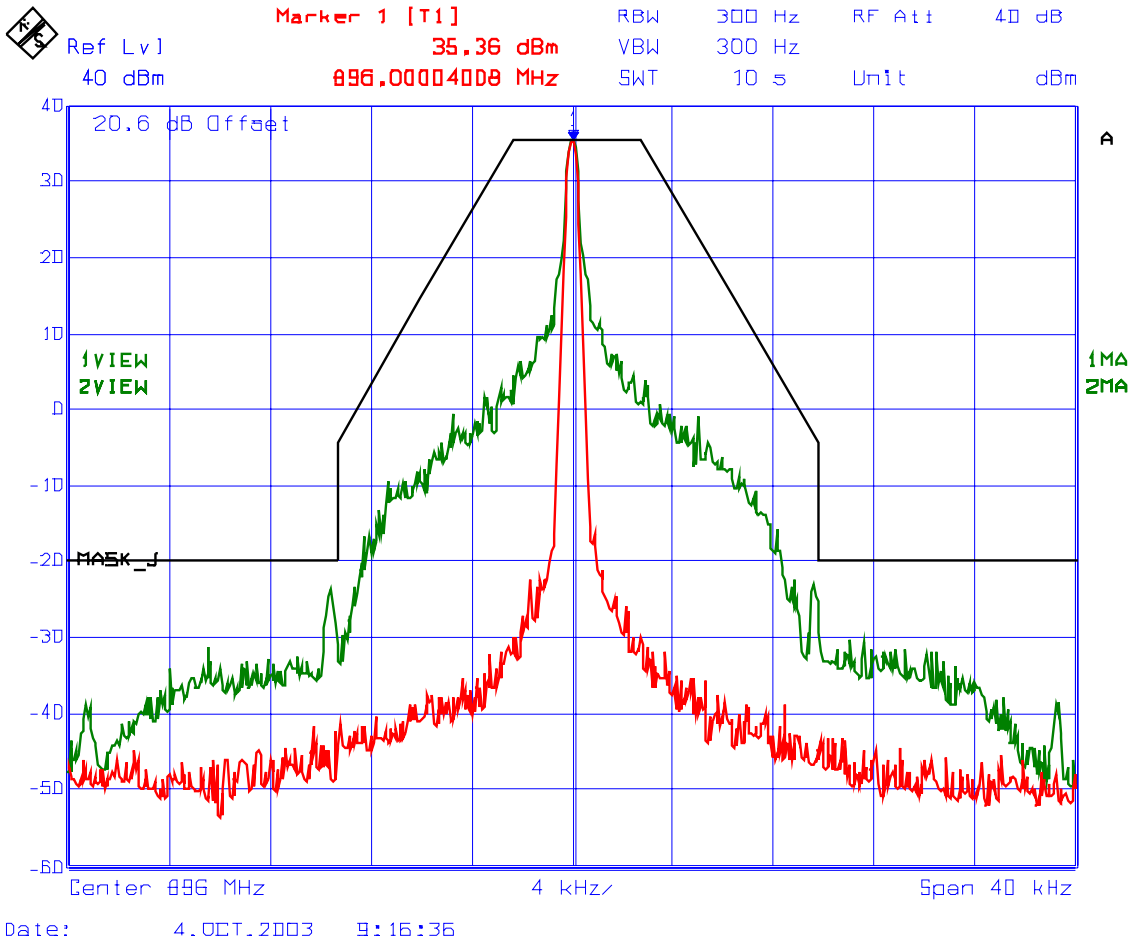
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 221 Emission Mask J, frequency 896 & 901MHz- RF Input
Frequency: 896 MHz, 12.5 kHz Channel Spacing
Modulation: FM modulation with an external 9600 b/s random data source



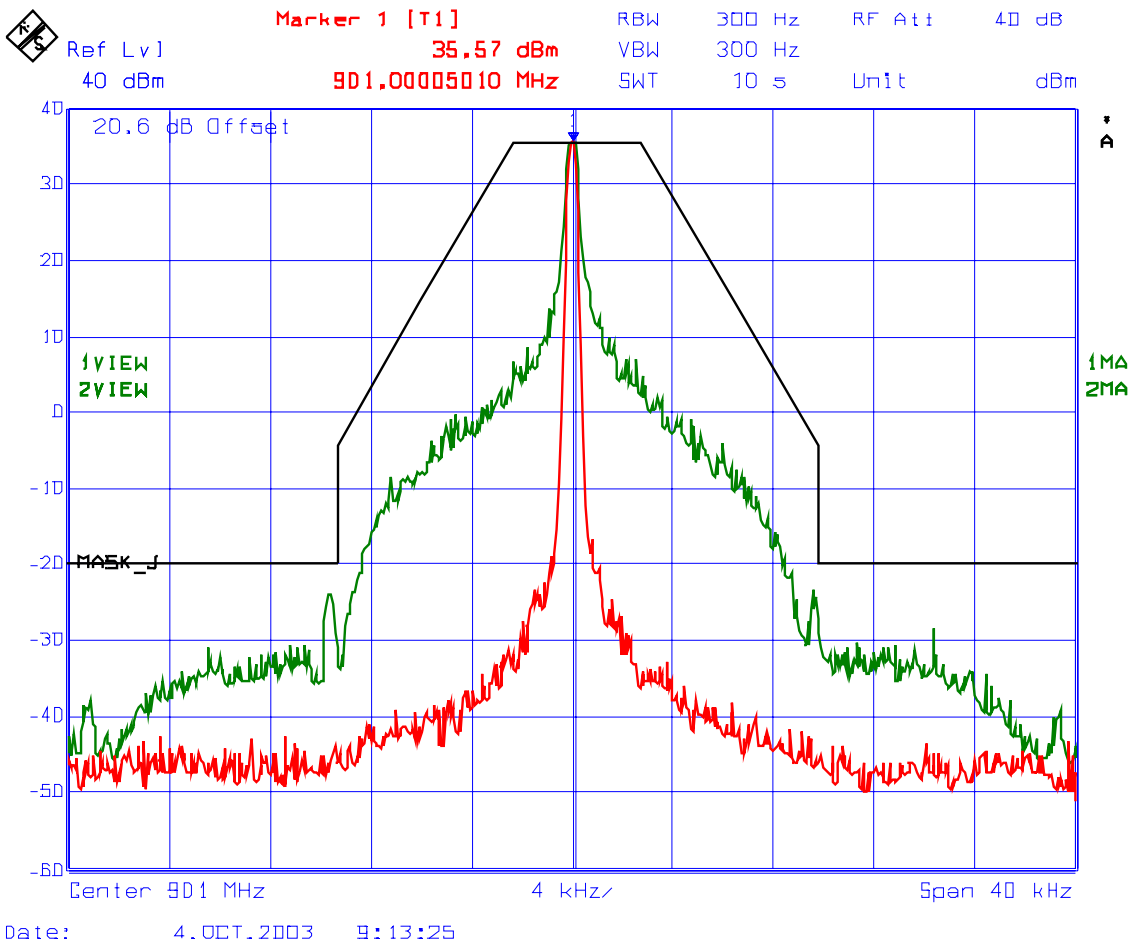
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 222 Emission Mask J, frequency 896 & 901 MHz- RF Output
Frequency: 896 MHz, 12.5 kHz Channel Spacing
Modulation: FM modulation with an external 9600 b/s random data source



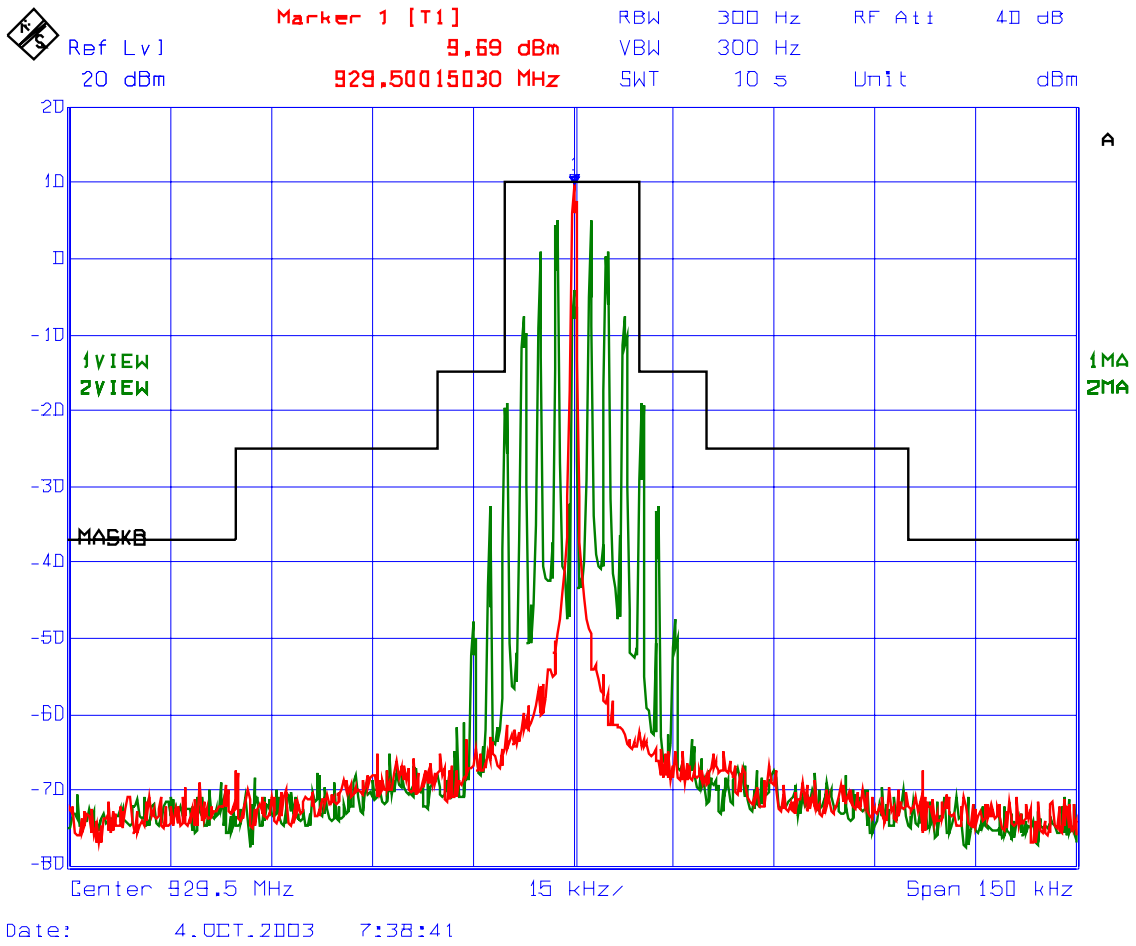
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 223 Emission Mask J, frequency 896 & 901 MHz- RF Output
Frequency: 901 MHz, 12.5 kHz Channel Spacing
Modulation: FM modulation with an external 9600 b/s random data source



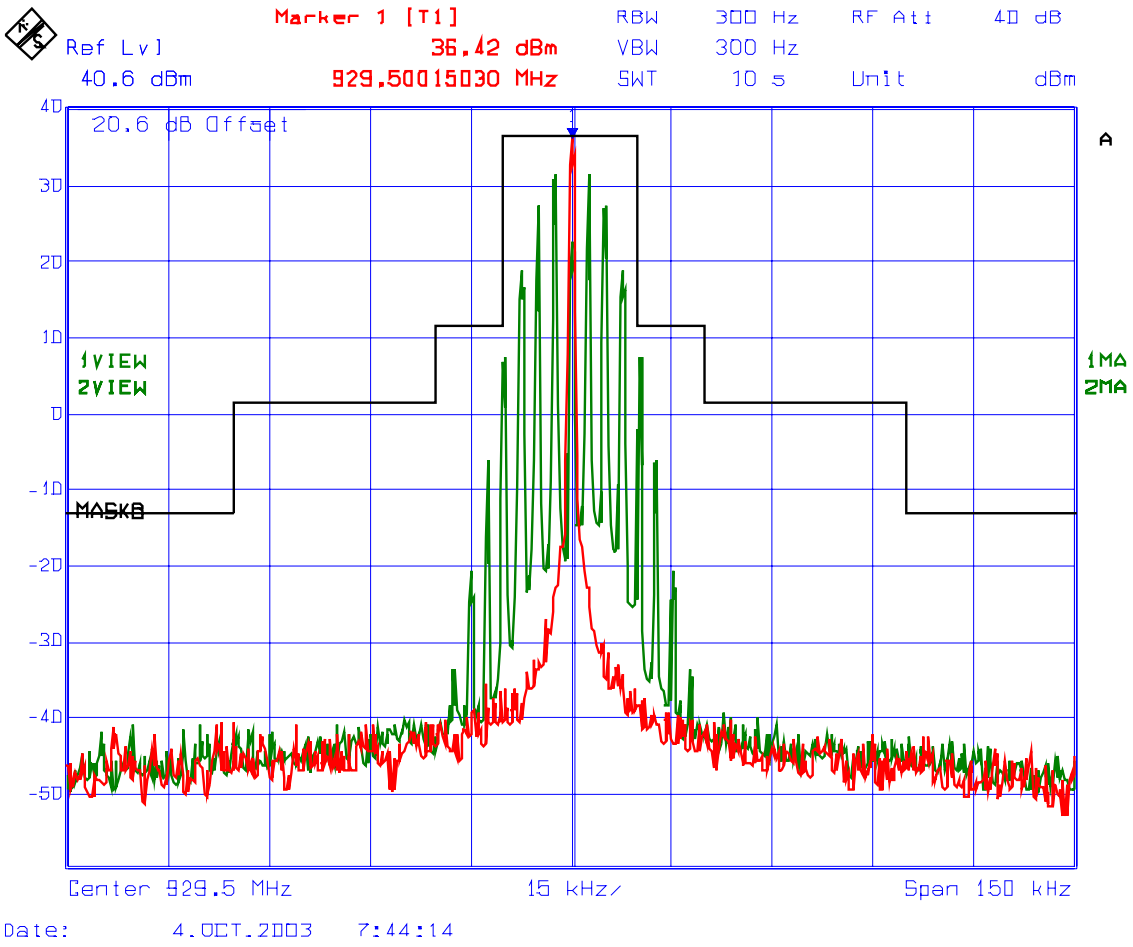
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 224 Emission Mask B- RF Input
Frequency: 929.5 MHz, 25 kHz Channel Spacing
Modulation: FM modulation with 2.5 kHz Sine wave signal



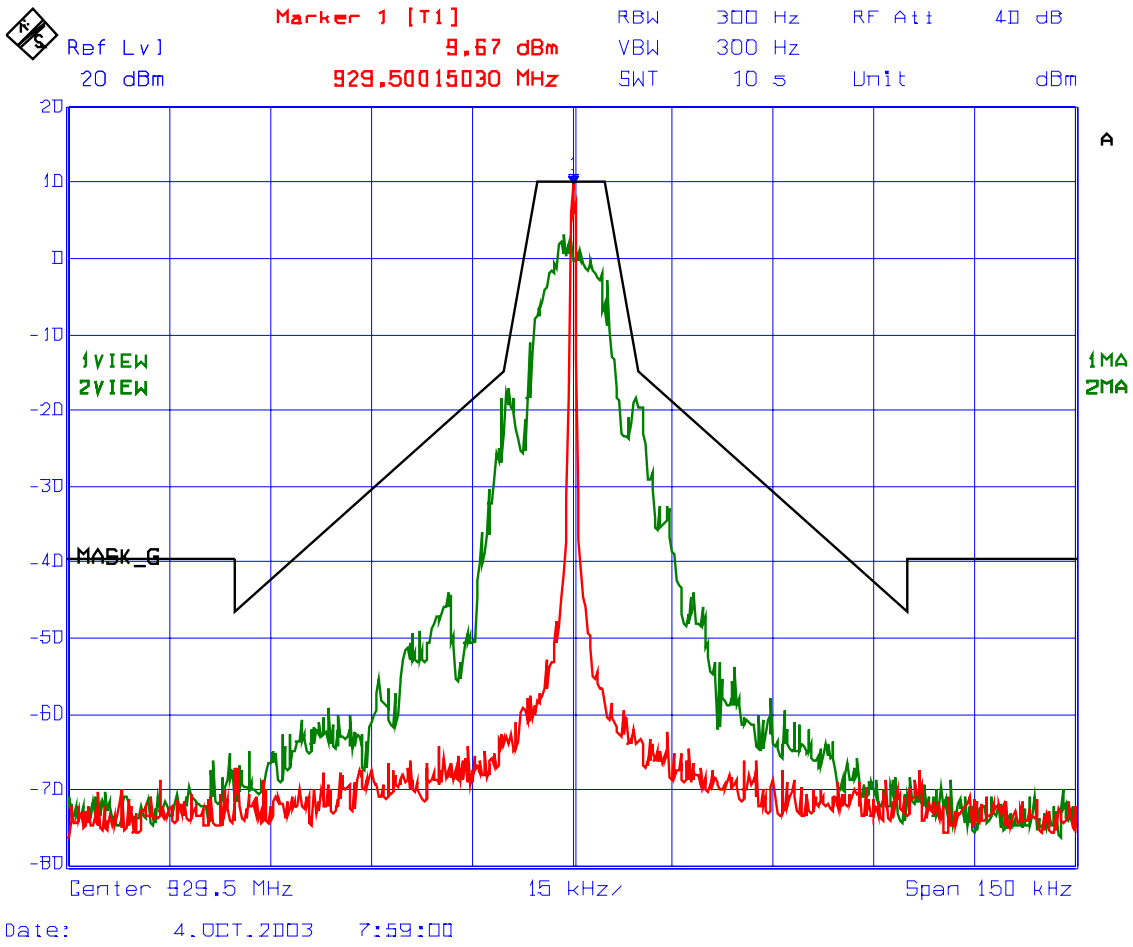
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 225 Emission Mask B, RF Output
Frequency: 929.5 MHz, 25 kHz Channel Spacing
Modulation: FM modulation with 2.5 kHz Sine wave signal



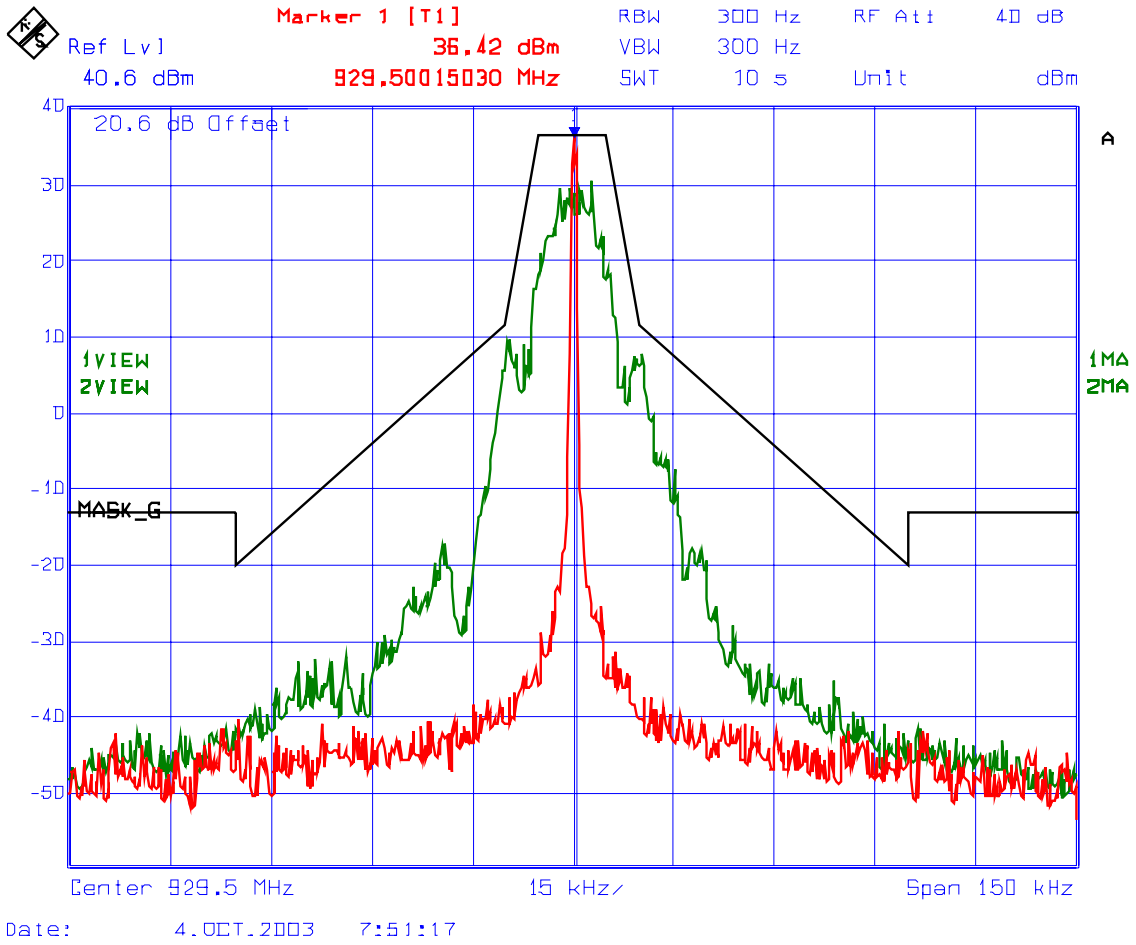
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 226 Emission Mask G, RF Input
Frequency: 929.5 MHz, 25 kHz Channel Spacing
Modulation: FM modulation with an external 9600 b/s random data source



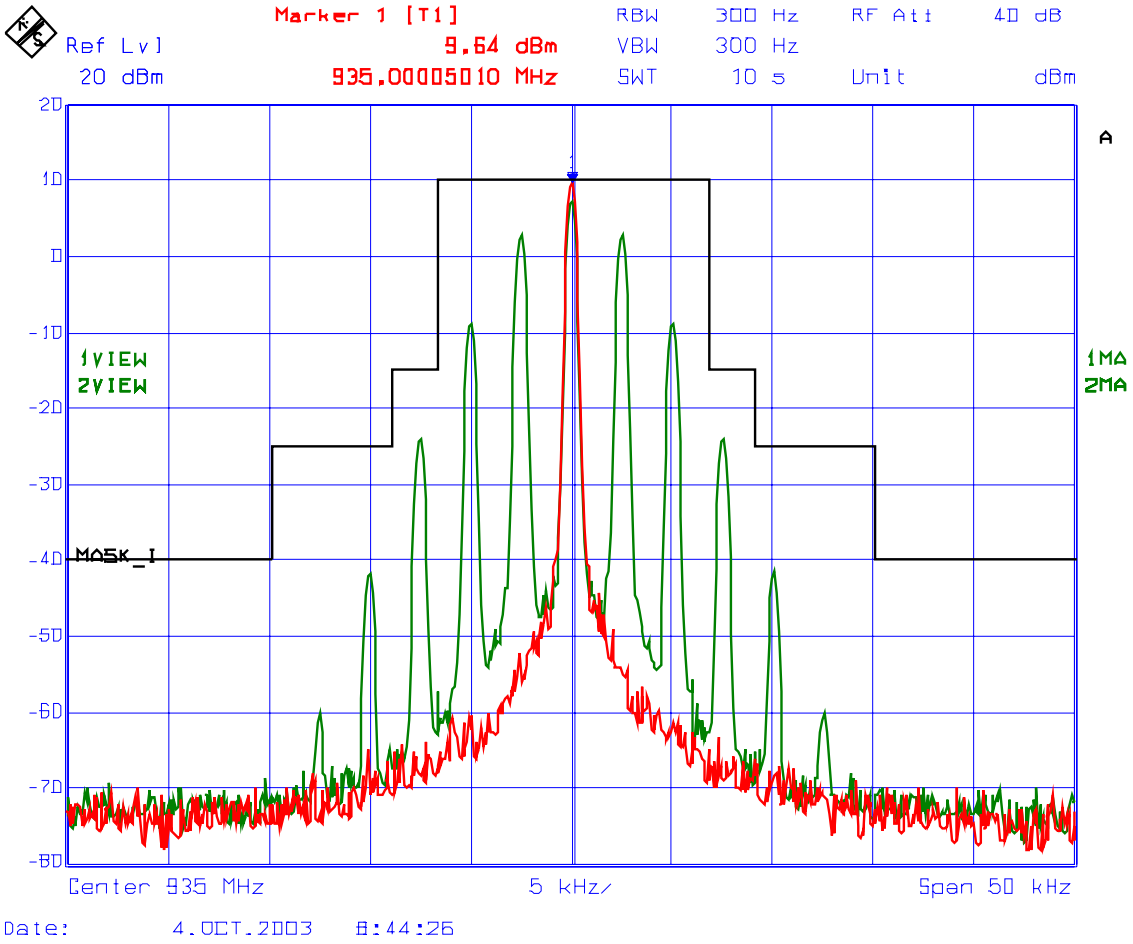
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 227 Emission Mask G, RF Output
Frequency: 929.5 MHz, 25 kHz Channel Spacing
Modulation: FM modulation with an external 9600 b/s random data source



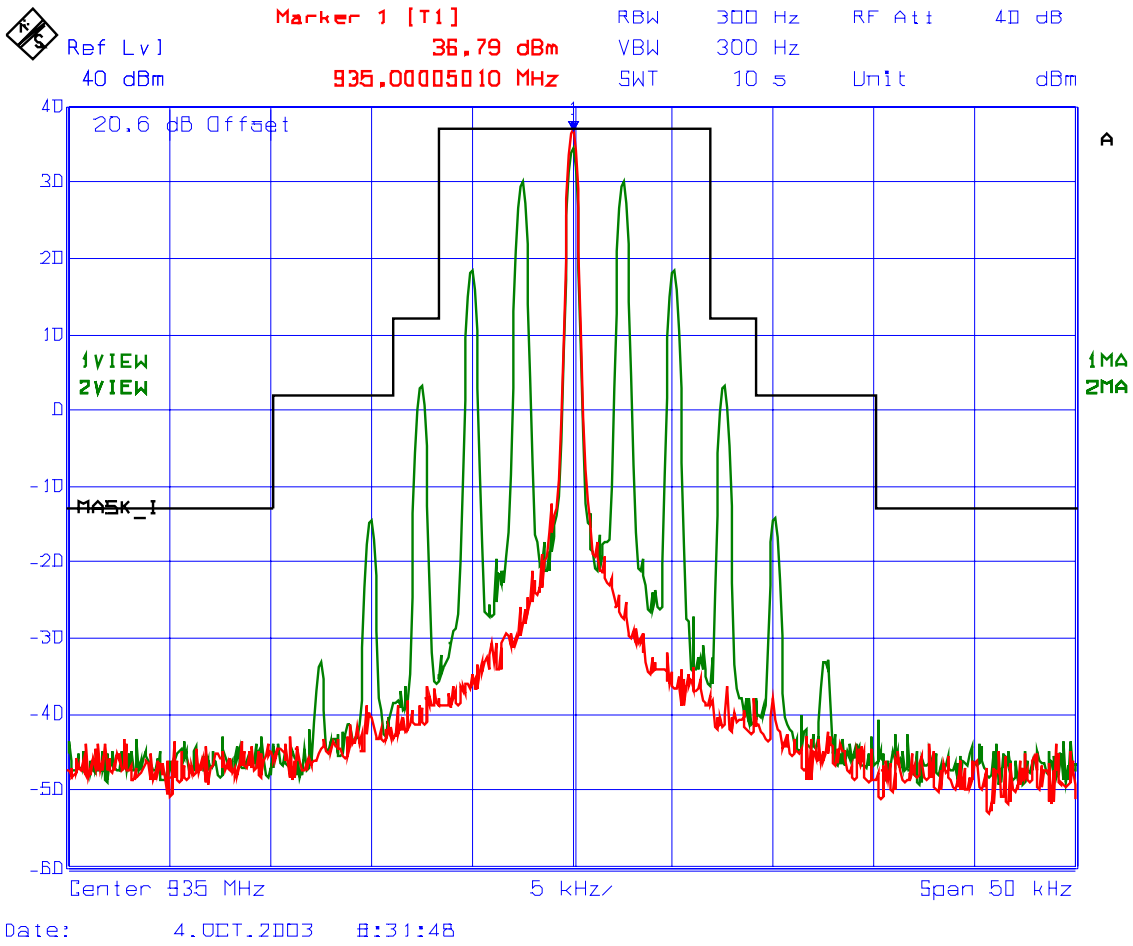
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 228 Emission Mask I, RF Input
Frequency: 935 MHz, 12.5 kHz Channel Spacing
Modulation: FM modulation with 2.5 kHz Sine wave signal



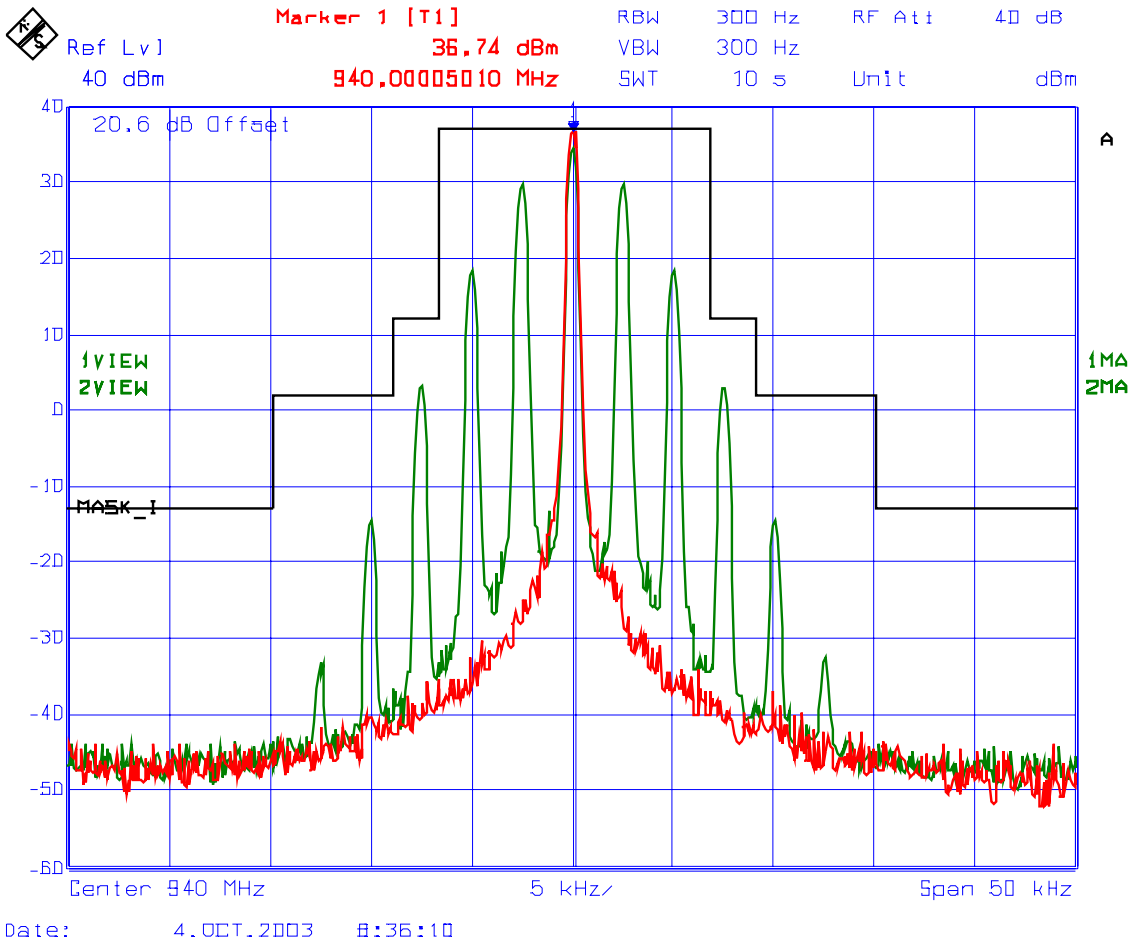
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 229 Emission Mask I, RF Output
Frequency: 935 MHz, 12.5 kHz Channel Spacing
Modulation: FM modulation with 2.5 kHz Sine wave signal



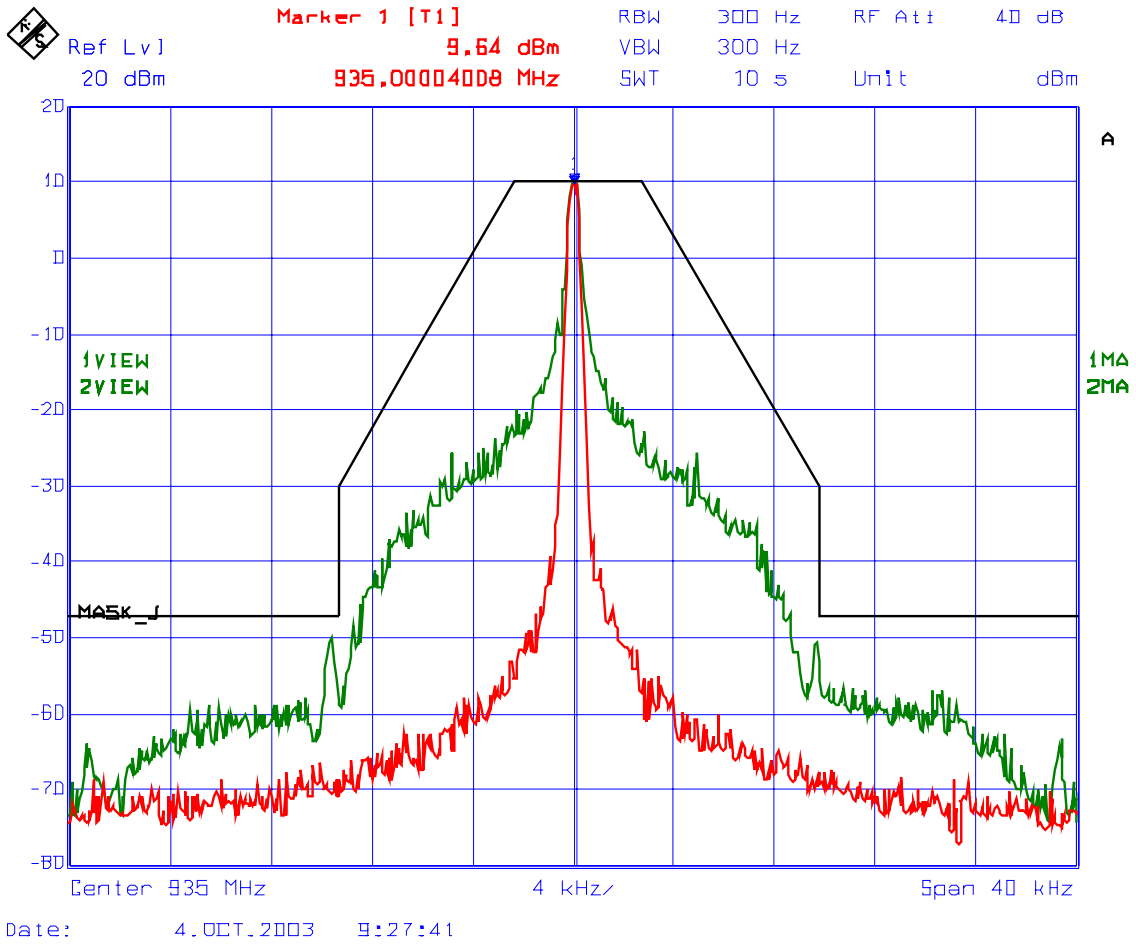
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 230 Emission Mask I, RF Output
Frequency: 940 MHz, 12.5 kHz Channel Spacing
Modulation: FM modulation with 2.5 kHz Sine wave signal



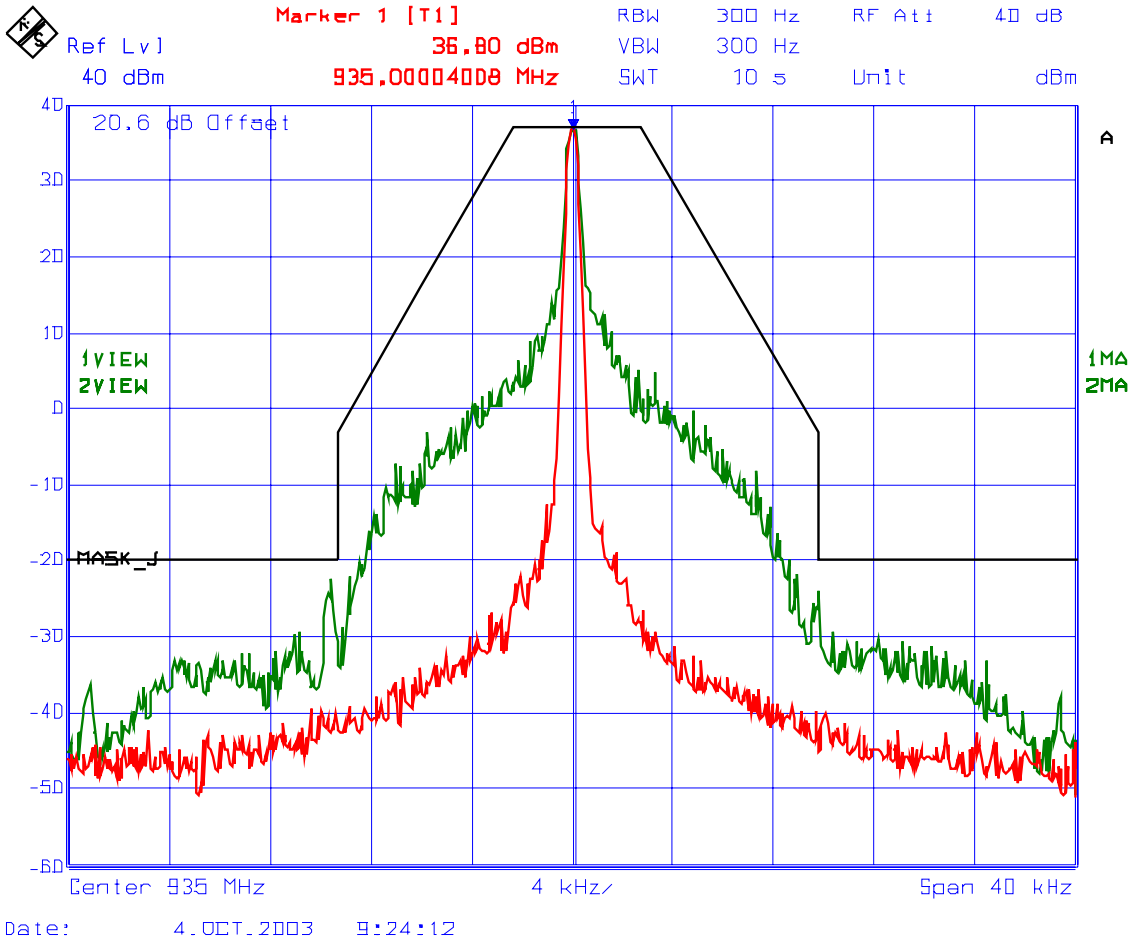
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 231 Emission Mask J, RF Input
Frequency: 935 MHz, 12.5 kHz Channel Spacing
Modulation: FM modulation with an external 9600 b/s random data source



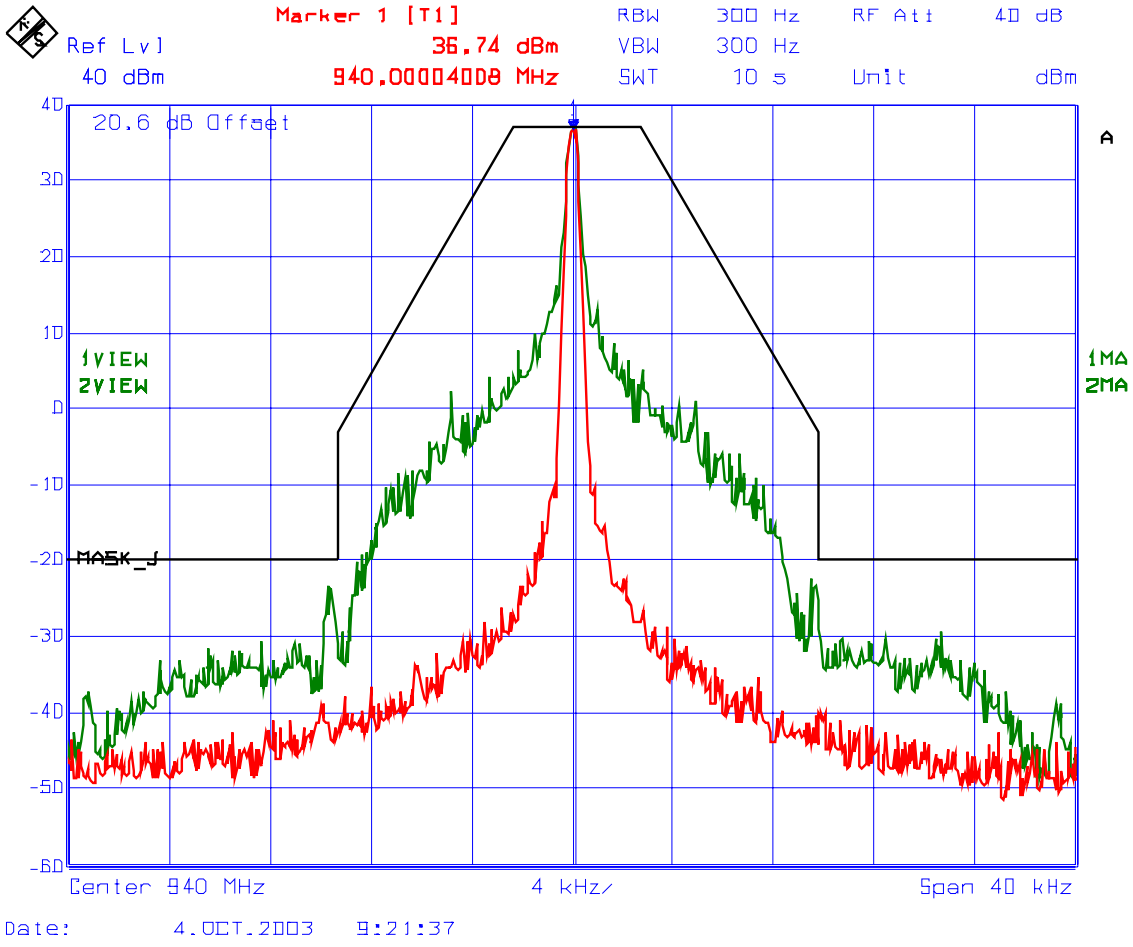
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 232 Emission Mask J, RF Output
Frequency: 935 MHz, 12.5 kHz Channel Spacing
Modulation: FM modulation with an external 9600 b/s random data source



- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 233 Emission Mask J, RF Output
Frequency: 940 MHz, 12.5 kHz Channel Spacing
Modulation: FM modulation with an external 9600 b/s random data source



- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

6.9. TRANSMITTER ANTENNA POWER SPURIOUS/HARMONIC CONDUCTED EMISSIONS @ 22.917(A), (B), (C) & (D), 90.208 & 90.210

6.9.1. Limits

The most stringent limit of 50+10*log(P in Watts) dBc is applied for all sub-bands for worst case.

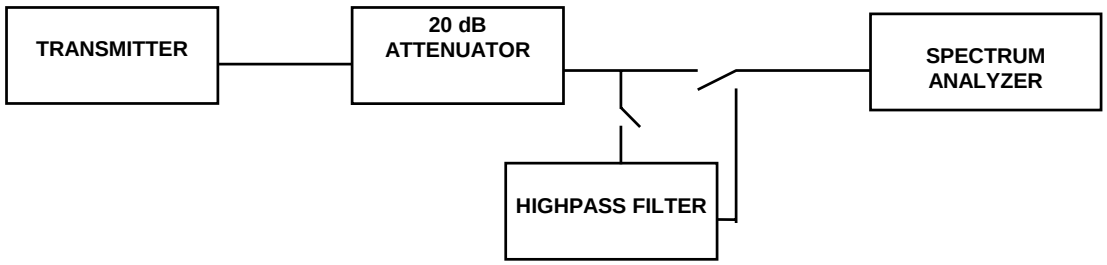
6.9.2. Method of Measurements

Refer to Exhibit 8 § 8.5 of this report for measurement details

6.9.3. Test Equipment List

Test Instruments	Manufacturer	Model No.	Serial No.	Frequency Range
Spectrum Analyzer/ EMI Receiver	Hewlett Packard	HP 8593EM	3412A00103	9 kHz – 26.5 GHz
Attenuator(s)	Bird	..	…	DC – 22 GHz
Audio Oscillator	Hewlett Packard	HP 204C	0989A08798	DC to 1.2 MHz
Highpass Filter, Microphase	Microphase	CR220HID	IITI11000AC	Cut-off Frequency at 600 MHz, 1.3 GHz or 4 GHz

6.9.4. Test Arrangement



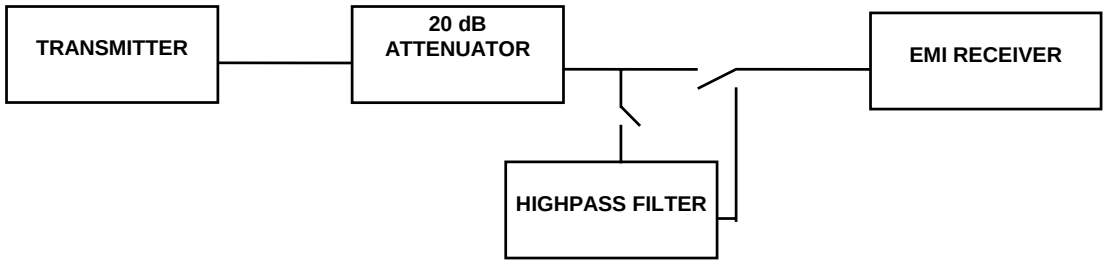
6.9.5. Method of Measurements

Refer to Exhibit 8 § 8.5 of this report for measurement details

6.9.6. Test Equipment List

Test Instruments	Manufacturer	Model No.	Serial No.	Frequency Range
EMI Receiver/ EMI Receiver	Hewlett Packard	HP 8593EM	3412A00103	9 kHz – 26.5 GHz
Attenuator(s)	Bird	..	…	DC – 22 GHz
Audio Oscillator	Hewlett Packard	HP 204C	0989A08798	DC to 1.2 MHz
Highpass Filter, Microphase	Microphase	CR220HID	IITI11000AC	Cut-off Frequency at 600 MHz, 1.3 GHz or 4 GHz

6.9.7. Test Arrangement



6.9.8. Test Data

Notes:

(1) The most stringent limit of 50+10*log(P in Watts) dBc is applied for all sub-bands for worst case.

(2) The rf emissions were scanned with all different modulations and there are no difference emissions were found; therefore, the final tests were only performed without modulation and it shall represent for all different modulations required.

6.9.8.1. Uplink Band 806-824 MHz

Fundamental Frequency: 806 MHz, 1 RF Signal input/output
RF Output Power: 35.5 dBm (conducted)
Modulation: Unmodulated

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
1612	-56.9	-92.4	-55.5	-36.9	PASS
2418	-46.2	-81.7	-55.5	-26.2	PASS
4030	-20.2	-55.7	-55.5	-0.20	PASS
7258	-53.4	-88.9	-55.5	-33.4	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 234-235 for Spurious emissions outside the Permitted Band 806-824 MHz

Fundamental Frequency: 806 & 806.0125 MHz (2 channel inputs/outputs)
RF Output Power: 31.9 dBm (conducted)
Modulation: Unmodulatedl

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
2407	-53.4	-85.3	-51.9	-33.4	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 236-237 for Spurious emissions outside the Permitted Band 806-824 MHz

Fundamental Frequency: 806, 806.0125, 806.0250 (3 channel inputs/outputs)
RF Output Power: 32.8 dBm (conducted)
Modulation: Unmodulated

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
2407	-53.8	-86.6	-52.8	-33.8	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 238-239 for Spurious emissions outside the Permitted Band 806-824 MHz

Fundamental Frequency: 815 MHz, 1 RF Signal input/output
RF Output Power: 35.5Bm (conducted)
Modulation: Unmodulated

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
1631	-55.5	-91.0	-55.5	-35.5	PASS
2443	-48.1	-83.6	-55.5	-28.1	PASS
4066	-21.3	-56.8	-55.5	-1.3	PASS
7331	-43.2	-78.7	-55.5	-23.2	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 240-241for Spurious emissions outside the Permitted Band 806-824 MHz

Fundamental Frequency: 815, 815.0125 MHz, (2 channel inputs/outputs)
RF Output Power: 32.7 dBm (conducted)
Modulation: Unmodulated

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
2443	-54.0	-86.7	-52.7	-34	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 242-243 for Spurious emissions outside the Permitted Band 806-824 MHz

Fundamental Frequency: 815, 814.9875 & 815.0125, (3 channel inputs/outputs)
RF Output Power: 32.7 dBm (conducted)
Modulation: Unmodulated

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
2443	-56.1	-88.8	-52.7	-36.1	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 244-245 for Spurious emissions outside the Permitted Band 806-824 MHz

Fundamental Frequency: 824 MHz, 1 RF Signal input/output
RF Output Power: 35.5 dBm (conducted)
Modulation: Unmodulated

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
1649	-55.8	-91.3	-55.5	35.8	PASS
2461	-54.2	-89.7	-55.5	-34.2	PASS
4120	-28.9	-64.4	-55.5	-8.9	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 246-247 for Spurious emissions outside the Permitted Band 806-824 MHz

Fundamental Frequency: 824, 823.9875 MHz, (2 channel inputs/outputs)
RF Output Power: 31.8 dBm (conducted)
Modulation: Unmodulated

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
2461	--60.2	-92.0	-51.8	-40.2	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 248-249 for Spurious emissions outside the Permitted Band 806-824 MHz

Fundamental Frequency: 824, 823.9875 & 823.9750 (3 channel inputs/outputs)
RF Output Power: 32.2 dBm (conducted)
Modulation: Unmodulated

FREQUENCY	TRANSMITTE CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
6591	-58.1	-90.3	-52.2	-38.1	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 250-251 for Spurious emissions outside the Permitted Band 806-824 MHz

6.9.8.2. Uplink Band 824-849 MHz

Fundamental Frequency: 824 MHz, 1 RF Signal input/output
RF Output Power: 27.1 dBm (conducted)
Modulation: FM modulation with 2.5 kHz Sine Wave Signal

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
6591.2	-58.1	-85.2	-47.1	-38.1	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 252-253 for Spurious emissions outside the Permitted Band 824-849 MHz

Fundamental Frequency: 836.5 MHz, 1 RF Signal input/output
RF Output Power: 27.1 dBm (conducted)
Modulation: FM modulation with 2.5 kHz Sine Wave Signal

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
2497.0	-58.9	-86.0	-47.1	-38.9	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 254-255 for Spurious emissions outside the Permitted Band 824-849 MHz

Fundamental Frequency: 849 MHz, 1 RF Signal input/output
RF Output Power: 27.1 dBm (conducted)
Modulation: FM modulation with 2.5 kHz Sine Wave Signal

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
6699.4	-57.3	-84.4	-47.1	-37.3	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 256-257 for Spurious emissions outside the Permitted Band 824-849 MHz

Fundamental Frequency: 824 MHz, 1 RF Signal input/output
RF Output Power: 27.1 dBm (conducted)
Modulation: FM Modulation with an external 9600 b/s random data source

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
6717.4	-58.8	-85.9	-47.1	-38.8	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 258-259 for Spurious emissions outside the Permitted Band 824-849 MHz

Fundamental Frequency: 836.5 MHz, 1 RF Signal input/output
RF Output Power: 27.1 dBm (conducted)
Modulation: FM Modulation with an external 9600 b/s random data source

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
2497.0	-59.3	-86.4	-47.1	-39.3	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 260-261 for Spurious emissions outside the Permitted Band 824-849 MHz

Fundamental Frequency: 849 MHz, 1 RF Signal input/output
RF Output Power: 27.1 dBm (conducted)
Modulation: FM Modulation with an external 9600 b/s random data source

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
2533.1	-57.7	-84.8	-47.1	-37.7	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 262-263for Spurious emissions outside the Permitted Band 824-849 MHz

Fundamental Frequency: 824 MHz, 1 RF Signal input/output
RF Output Power: 27.1 dBm (conducted)
Modulation: CDMA

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
6879.8	-58.2	-85.3	-47.1	-38.2	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 264-265 for Spurious emissions outside the Permitted Band 824-849 MHz

Fundamental Frequency: 836.5 MHz, 1 RF Signal input/output
RF Output Power: 27.0 dBm (conducted)
Modulation: CDMA

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
6681.4	-58.2	-85.2	-47.0	-38.2	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 266-267 for Spurious emissions outside the Permitted Band 824-849 MHz

Fundamental Frequency: 849 MHz, 1 RF Signal input/output
RF Output Power: 27.1 dBm (conducted)
Modulation: CDMA

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
6988.0	--57.7	-84.8	-47.1	-37.7	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 268-269 for Spurious emissions outside the Permitted Band 824-849 MHz

Fundamental Frequency: 824 MHz, 1 RF Signal input/output
RF Output Power: 27.2 dBm (conducted)
Modulation: TDMA

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
6555.1	-58.5	-85.7	-47.2	-38.5	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 270-271 for Spurious emissions outside the Permitted Band 824-849 MHz

Fundamental Frequency: 836.5 MHz, 1 RF Signal input/output
RF Output Power: 27.2 dBm (conducted)
Modulation: TDMA

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
6663.3	-58.6	-85.8	-47.2	-38.6	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 272-273 for Spurious emissions outside the Permitted Band 824-849 MHz

Fundamental Frequency: 849 MHz, 1 RF Signal input/output
RF Output Power: 27.0 dBm (conducted)
Modulation: TDMA

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
6988.0	-57.0	-84.0	-47.0	-37.0	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 274-275 for Spurious emissions outside the Permitted Band 824-849 MHz

Fundamental Frequency: 824 MHz, 1 RF Signal input/output
RF Output Power: 27.0 dBm (conducted)
Modulation: GSM

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
6699.4	-58.5	-85.5	-47.0	-38.5	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 276-277 for Spurious emissions outside the Permitted Band 824-849 MHz

Fundamental Frequency: 836.5 MHz, 1 RF Signal input/output
RF Output Power: 27.0 dBm (conducted)
Modulation: GSM

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
6952.0	-58.2	-85.2	-47.0	-38.2	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 278-279 for Spurious emissions outside the Permitted Band 824-849 MHz

Fundamental Frequency: 849 MHz, 1 RF Signal input/output
RF Output Power: 27.1 dBm (conducted)
Modulation: GSM

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
6717.4	-58.3	-85.4	-47.1	-38.3	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 280-281 for Spurious emissions outside the Permitted Band 824-849 MHz

Fundamental Frequency: 824, 824.030 MHz, 2 RF Signal inputs/outputs
RF Output Power: 27.0 dBm (conducted)
Modulation: Unmodulated

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
6609.2	-58.4	-85.4	-47.0	-38.4	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 282-283for Spurious emissions outside the Permitted Band 824-849 MHz

Fundamental Frequency: 824, 824.030, 824.060 MHz, 3 RF Signal inputs/outputs
RF Output Power: 27.0 dBm (conducted)
Modulation: Unmodulated

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
6988.0	-58.3	-85.3	-47.0	-38.3	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 284-285 for Spurious emissions outside the Permitted Band 824-849 MHz

Fundamental Frequency: 836.5, 836.530 MHz, 2 RF Signal inputs/outputs
RF Output Power: 27.0 dBm (conducted)
Modulation: Unmodulated

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
6591.2	-58.3	-85.4	-47.1	-38.3	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 286-287 for Spurious emissions outside the Permitted Band 824-849 MHz

Fundamental Frequency: 836.5, 836.47, 836.530 MHz, 3 RF Signal inputs/outputs
RF Output Power: 27.0 dBm (conducted)
Modulation: Unmodulated

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
6699.4	-58.0	-85.0	-47.0	-38.0	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 288-289 for Spurious emissions outside the Permitted Band 824-849 MHz

Fundamental Frequency: 849, 848.970 MHz, 2 RF Signal inputs/outputs
RF Output Power: 27.0 dBm (conducted)
Modulation: Unmodulated

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
6933.9	-58.3	-85.3	-47.0	-38.3	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 290-291 for Spurious emissions outside the Permitted Band 824-849 MHz

Fundamental Frequency: 849, 848.970, 848.400 MHz, 3 RF Signal inputs/outputs
RF Output Power: 27.0 dBm (conducted)
Modulation: Unmodulated

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
6988.0	-57.5	-84.5	-47.0	-37.5	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 292-293for Spurious emissions outside the Permitted Band 824-849 MHz

6.9.8.3. Downlink Band 851-869 MHz

Fundamental Frequency: 851 MHz, 1 RF Signal input/output
RF Output Power: 36.6 dBm (conducted)
Modulation: Unmodulated

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
1703	-59.4	-96.0	-56.6	-39.4	PASS
2551	-43.3	-79.9	-56.6	-23.3	PASS
3399	-57.6	-94.2	-56.6	-37.6	PASS
4246	-55.0	-91.6	-56.6	-35.0	

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 294-295 for Spurious emissions outside the Permitted Band 851-869 MHz

Fundamental Frequency: 851, 851.0125 MHz, (2 channel inputs/outputs)
RF Output Power: 31.8 dBm (conducted)
Modulation: Unmodulated

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
2551	-53.1	-84.9	-51.8	-33.1	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 296-297 for Spurious emissions outside the Permitted Band 851-869 MHz

Fundamental Frequency: 851, 851.0125 & 851.0250 (3 channel inputs/outputs)
RF Output Power: 32.3 dBm (conducted)
Modulation: Unmodulated

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
2551	-52.5	-84.8	-52.3	-32.5	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 298-299 for Spurious emissions outside the Permitted Band 851-869 MHz

Fundamental Frequency: 860 MHz, 1 RF Signal input/output
RF Output Power: 36.4 dBm (conducted)
Modulation: Unmodulated

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
1721	-59.0	-95.4	-56.4	-39.0	PASS
2569	-43.6	-80.0	-56.4	-23.6	PASS
3434	-52.1	-88.5	-56.4	-32.1	PASS
4301	-41.3	-77.7	-56.4	-21.3	

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 300-301 for Spurious emissions outside the Permitted Band 851-869 MHz

Fundamental Frequency: 860, 860.0125 (2 channel inputs/outputs)
RF Output Power: 32.1 dBm (conducted)
Modulation: Unmodulated

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
2570	-53.3	-85.4	-52.1	-33.3	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 302-303 for Spurious emissions outside the Permitted Band 851-869 MHz

Fundamental Frequency: 860, 860.0125 &859.9875 (3 channel inputs/outputs)
RF Output Power: 32.6 dBm (conducted)
Modulation: Unmodulated

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
2569	-52.8	-85.4	-52.6	-32.8	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 304-305 for Spurious emissions outside the Permitted Band 851-869 MHz

Fundamental Frequency: 869 MHz, 1 RF Signal input/output
RF Output Power: 36.4 dBm (conducted)
Modulation: Unmodulated

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
1721	-57.7	-94.1	-56.4	-37.7	PASS
2605	-48.6	-85.0	-56.4	-28.6	PASS
3471	-45.0	-81.4	-56.4	-25.0	PASS
4337	-37.8	-74.2	-56.4	-17.8	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 306-307 for Spurious emissions outside the Permitted Band 851-869 MHz

Fundamental Frequency: 869, 868.9875 (2 channel inputs/outputs)
RF Output Power: 31.9 dBm (conducted)
Modulation: Unmodulated

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
2605	--57.5	-89.4	-51.9	-37.5	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 308-309 for Spurious emissions outside the Permitted Band 851-869 MHz

Fundamental Frequency: 869, 868.9875 & 869.9750 (3 channel inputs/outputs)
RF Output Power: 31.4 dBm (conducted)
Modulation: Unmodulated

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
2605	-58.1	-89.5	-51.4	-38.1	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 310-311 for Spurious emissions outside the Permitted Band 851-869 MHz

6.9.8.4. Downlink Band 869-894 MHz

Fundamental Frequency: 869 MHz, 1 RF Signal input/output
RF Output Power: 27.1 dBm (conducted)
Modulation: FM modulation with 2.5 kHz Sine Wave Signal

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
6645.3	-58.6	-85.7	-47.1	-38.6	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 312-313for Spurious emissions outside the Permitted Band 869-894 MHz

Fundamental Frequency: 881.5 MHz, 1 RF Signal input/output
RF Output Power: 27.1 dBm (conducted)
Modulation: FM modulation with 2.5 kHz Sine Wave Signal

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
2641.3	-56.9	-84.0	-47.1	-36.9	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 314-315 for Spurious emissions outside the Permitted Band 869-894 MHz

Fundamental Frequency: 894 MHz, 1 RF Signal input/output
RF Output Power: 27.1 dBm (conducted)
Modulation: FM modulation with 2.5 kHz Sine Wave Signal

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
6573.1	-57.9	-85.0	-47.1	-37.9	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 316-317 for Spurious emissions outside the Permitted Band 869-894 MHz

6.9.8.5. Downlink Band 869-894 MHz

Fundamental Frequency: 869 MHz, 1 RF Signal input/output
RF Output Power: 27.1 dBm (conducted)
Modulation: FM Modulation with an external 9600 b/s random data source

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
6645.3	-58.6	-85.7	-47.1	-38.6	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 318-319 for Spurious emissions outside the Permitted Band 869-894 MHz

Fundamental Frequency: 881.5 MHz, 1 RF Signal input/output
RF Output Power: 27.1 dBm (conducted)
Modulation: FM Modulation with an external 9600 b/s random data source

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
2641.3	-56.8	-83.9	-47.1	-36.8	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 320-321 for Spurious emissions outside the Permitted Band 869-894 MHz

Fundamental Frequency: 894 MHz, 1 RF Signal input/output
RF Output Power: 27.1 dBm (conducted)
Modulation: FM Modulation with an external 9600 b/s random data source

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
6970.0	-57.4	-84.5	-47.1	-37.4	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 322-323 for Spurious emissions outside the Permitted Band 869-894 MHz

Fundamental Frequency: 869 MHz, 1 RF Signal input/output
RF Output Power: 27.0 dBm (conducted)
Modulation: CDMA

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
6609.2	-57.8	-84.8	-47.0	-37.8	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 324-325 for Spurious emissions outside the Permitted Band 869-894 MHz

Fundamental Frequency: 881.5 MHz, 1 RF Signal input/output
RF Output Power: 27.1 dBm (conducted)
Modulation: CDMA

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
6645.3	-57.4	-84.5	-47.1	-37.4	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 326-327 for Spurious emissions outside the Permitted Band 869-894 MHz

Fundamental Frequency: 894 MHz, 1 RF Signal input/output
RF Output Power: 27.0 dBm (conducted)
Modulation: CDMA

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
6735.5	-58.3	-85.3	-47.0	-38.3	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 328-329 for Spurious emissions outside the Permitted Band 869-894 MHz

Fundamental Frequency: 869 MHz, 1 RF signal input/output
RF Output Power: 27.1 dBm (conducted)
Modulation: TDMA

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
6645.3	-58.0	-85.1	-47.1	-38.0	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 330-331 for Spurious emissions outside the Permitted Band 869-894 MHz

Fundamental Frequency: 881.5 MHz, 1 RF signal input/output
RF Output Power: 27.0 dBm (conducted)
Modulation: TDMA

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
6681.4	-58.4	-85.4	-47.0	-38.4	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 3332-333 for Spurious emissions outside the Permitted Band 869-894 MHz

Fundamental Frequency: 894 MHz, 1 RF signal input/output
RF Output Power: 27.2 dBm (conducted)
Modulation: TDMA

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
6970.0	-58.5	-85.7	-47.2	-38.5	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 334-335 for Spurious emissions outside the Permitted Band 869-894 MHz

Fundamental Frequency: 869 MHz, 1 RF signal input/output
RF Output Power: 27.1 dBm (conducted)
Modulation: GSM

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
6645.3	-57.9	-85.0	-47.1	-37.9	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 336-337 for Spurious emissions outside the Permitted Band 869-894 MHz

Fundamental Frequency: 881.5 MHz, 1 RF signal input/output
RF Output Power: 27.0 dBm (conducted)
Modulation: GSM

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
6573.1	-58.5	-85.5	-47.0	-38.5	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 338-339 for Spurious emissions outside the Permitted Band 869-894 MHz

Fundamental Frequency: 894 MHz, 1 RF signal input/output
RF Output Power: 27.0 dBm (conducted)
Modulation: GSM

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
6988.0	-57.7	-84.7	-47.0	-37.7	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 340-341 for Spurious emissions outside the Permitted Band 869-894 MHz

Fundamental Frequency: 869, 869.030 MHz, 2 RF signal inputs/outputs
RF Output Power: 27.0 dBm (conducted)
Modulation: Unmodulated

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
6591.2	-57.9	-84.9	-47.0	-37.9	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 342-343 for Spurious emissions outside the Permitted Band 869-894 MHz

Fundamental Frequency: 869, 869.030, 869.060 MHz, 3 RF signal inputs/outputs
RF Output Power: 27.0 dBm (conducted)
Modulation: Unmodulated

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
6591.2	-58.0	-85.0	-47.0	-38.0	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 344-345 for Spurious emissions outside the Permitted Band 869-894 MHz

Fundamental Frequency: 881.5, 881.530 MHz, 2 RF signal inputs/outputs
RF Output Power: 27.0 dBm (conducted)
Modulation: Unmodulated

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
6627.3	-57.9	-84.9	-47.0	-37.9	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 346-347 for Spurious emissions outside the Permitted Band 869-894 MHz

Fundamental Frequency: 881.5, 881.470, 881.530 MHz, 3 RF signal inputs/outputs
RF Output Power: 27.0 dBm (conducted)
Modulation: Unmodulated

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
6573.1	-58.0	-85.0	-47.0	-38.0	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 348-349 for Spurious emissions outside the Permitted Band 869-894 MHz

6.9.8.6. Downlink Band 869-894 MHz, Test Frequency: 894 MHz

Fundamental Frequency: 894, 893.970 MHz, 2 RF signal inputs/outputs
RF Output Power: 27.0 dBm (conducted)
Modulation: Unmodulated

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
6988.0	-58.5	-85.5	-47.0	-38.5	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots #350-351 for Spurious emissions outside the Permitted Band 869-894 MHz

Fundamental Frequency: 894, 893.970, 893.94 MHz, 3 RF signal inputs/outputs
RF Output Power: 27.0 dBm (conducted)
Modulation: Unmodulated

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
6555.1	-58.1	-85.1	-47.0	-38.1	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 352-353for Spurious emissions outside the Permitted Band 869-894 MHz

Fundamental Frequency: 896.0 MHz, 1 RF Signal input/output
RF Output Power: 35.9 dBm (conducted)
Modulation: Unmodulated

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
1793.6	-54.2	-90.1	-55.9	-34.2	PASS
2677.4	-48.6	-84.2	-55.9	-28.3	PASS
8070.1	-59.5	-95.4	-55.9	-39.5	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 354-355 for Spurious emissions outside the Permitted Band 896-902 MHz

Fundamental Frequency: 896, 896.0125 MHz (2 channel inputs/outputs)
RF Output Power: 32.1dBm (conducted)
Modulation: Unmodulatedl

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
2677.4	-56.6	-88.7	-52.1	-36.6	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 356-357 for Spurious emissions outside the Permitted Band 896-902 MHz

Fundamental Frequency: 896, 896.0125, 896.0250 (3 channel inputs/outputs)
RF Output Power: 32.2 dBm (conducted)
Modulation: Unmodulated

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
2677.4	-56.1	-88.3	-52.2	-36.1	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots #358-359 for Spurious emissions outside the Permitted Band 896-902 MHz

6.9.8.7. Uplink Band 896-902 MHz

Fundamental Frequency: 902 MHz, 1 RF Signal input/output
RF Output Power: 35.8 dBm (conducted)
Modulation: Unmodulated

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
1793.6	-57.0	-92.8	-55.8	-37.0	PASS
2695.4	-44.6	-80.4	-55.8	-24.6	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 360-361 for Spurious emissions outside the Permitted Band 896-902 MHz

Fundamental Frequency: 902, 901.9875 MHz (2 channel inputs/outputs)
RF Output Power: 32.2 dBm (conducted)
Modulation: Unmodulatedl

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
2695.4	-52.4	-84.6	-52.2	-32.4	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 362-363 for Spurious emissions outside the Permitted Band 896-902 MHz

Fundamental Frequency: 902, 901.9875, 901.9750 MHz (3 channel inputs/outputs)
RF Output Power: 32.3 dBm (conducted)
Modulation: Unmodulated

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
2695.4	-53.4	-85.7	-52.3	-33.4	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 364-365 for Spurious emissions outside the Permitted Band 896-902 MHz

Fundamental Frequency: 928 MHz, 1 RF Signal input/output
RF Output Power: 36.7 dBm (conducted)
Modulation: Unmodulated

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
1847.7	-56.1	-92.8	-56.7	-36.1	PASS
2785.6	-45.7	-82.4	-56.7	-25.7	PASS
4643.3	-45.2	-81.9	-56.7	-25.2	PASS
7420.8	-52.2	-88.9	-56.7	-32.2	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 366-367 for Spurious emissions outside the Permitted Band 928-941 MHz

Fundamental Frequency: 928, 928.0125 MHz (2 channel inputs/outputs)
Modulation: Unmodulatedl

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
2785.6	-54.0	-86.9	-52.9	-34.0	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 368-369 for Spurious emissions outside the Permitted Band 928-941 MHz

Fundamental Frequency: 928, 928.0125, 928.0250 MHz (3 channel inputs/outputs)
RF Output Power: 32.9 dBm (conducted)
Modulation: Unmodulated

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
2785.6	-54.7	-87.6	-52.9	-34.7	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 370-371 for Spurious emissions outside the Permitted Band 928-941 MHz

Fundamental Frequency: 934.5 MHz, 1 RF Signal input/output
RF Output Power: 37.4 dBm (conducted)
Modulation: Unmodulated

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
1865.7	-54.6	-92.0	-57.4	-34.6	PASS
2803.6	-42.6	-80.0	-57.4	-22.6	PASS
3741.5	-55.2	-92.6	-57.4	-35.2	PASS
7474.9	-48.7	-86.1	-57.4	-28.7	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 372-373 for Spurious emissions outside the Permitted Band 928-941 MHz

Fundamental Frequency: 934.5, 934.5125 MHz (2 channel inputs/outputs)
RF Output Power: 33.6 dBm (conducted)
Modulation: Unmodulatedl

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
2803.6	-51.1	-84.7	-53.6	-31.1	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 374-375 for Spurious emissions outside the Permitted Band 928-941 MHz

Fundamental Frequency: 934.5, 934.5125, 934.4875 MHz (3 channel inputs/outputs)
RF Output Power: 33.8 dBm (conducted)
Modulation: Unmodulated

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
2803.6	-53.0	-86.8	-53.8	-33.0	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 376-377 for Spurious emissions outside the Permitted Band 928-941 MHz

Fundamental Frequency: 941 MHz, 1 RF Signal input/output
RF Output Power: 37.2 dBm (conducted)
Modulation: Unmodulated

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
1883.8	-51.4	-88.6	-57.2	-31.4	PASS
2821.6	-49.1	-86.3	-57.2	-29.1	PASS
3759.5	-48.3	-85.5	-57.2	-28.3	PASS
8466.9	-49.7	-86.9	-57.2	-29.7	PASS

- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 378-379 for Spurious emissions outside the Permitted Band 928-941 MHz

Fundamental Frequency: 941, 940.9875 MHz (2 channel inputs/outputs)
RF Output Power: 33.4 dBm (conducted)
Modulation: Unmodulatedl

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
2821.6	-57.5	-90.9	-53.4	-37.5	PASS

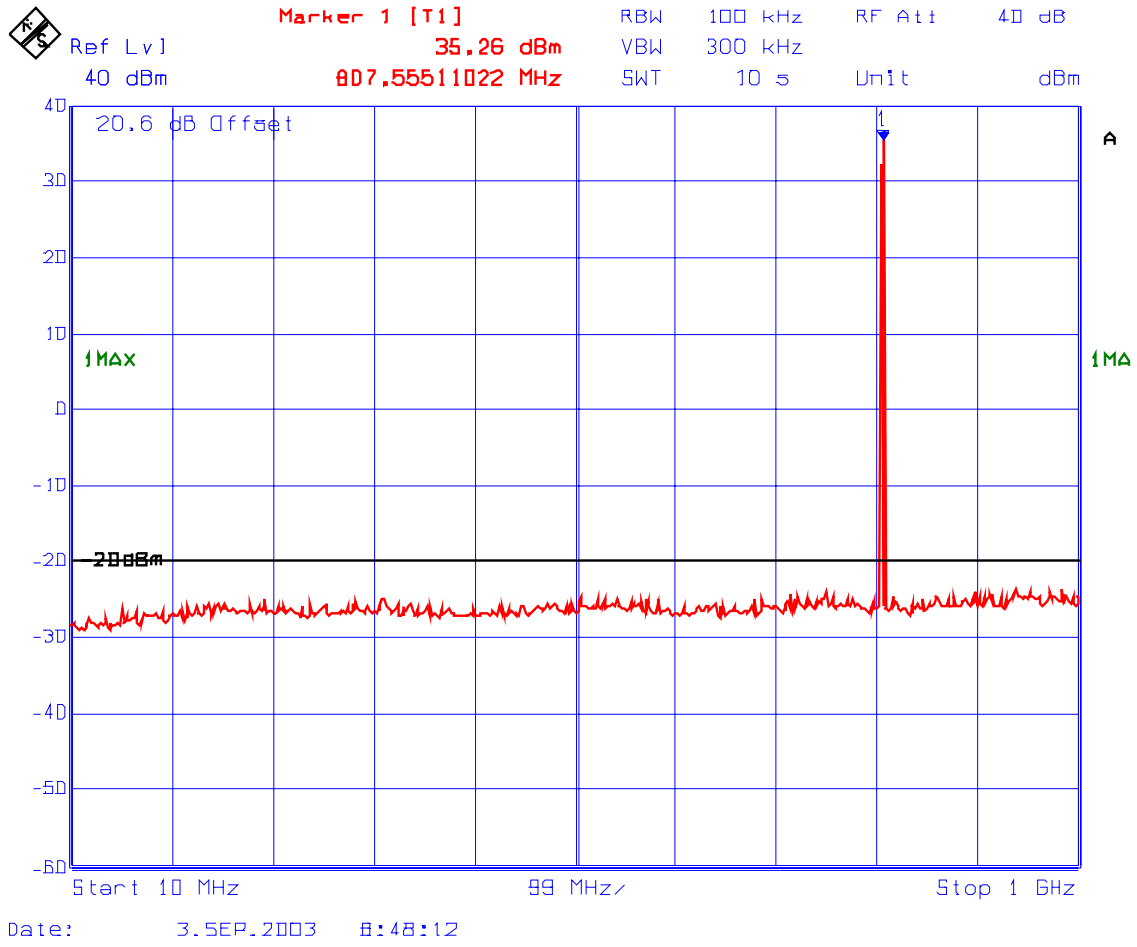
- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots #380-381 for Spurious emissions outside the Permitted Band 928-941 MHz

Fundamental Frequency: 941, 940.9875, 940.9750 MHz (3 channel inputs/outputs)
RF Output Power: 33.7 dBm (conducted)
Modulation: Unmodulated

FREQUENCY	TRANSMITTER CONDUCTED ANTENNA EMISSIONS		LIMIT	MARGIN	PASS/
(MHz)	(dBm)	(dBc)	(dBc)	(dB)	FAIL
2821.6	-57.0	-90.7	-53.7	-37.0	PASS

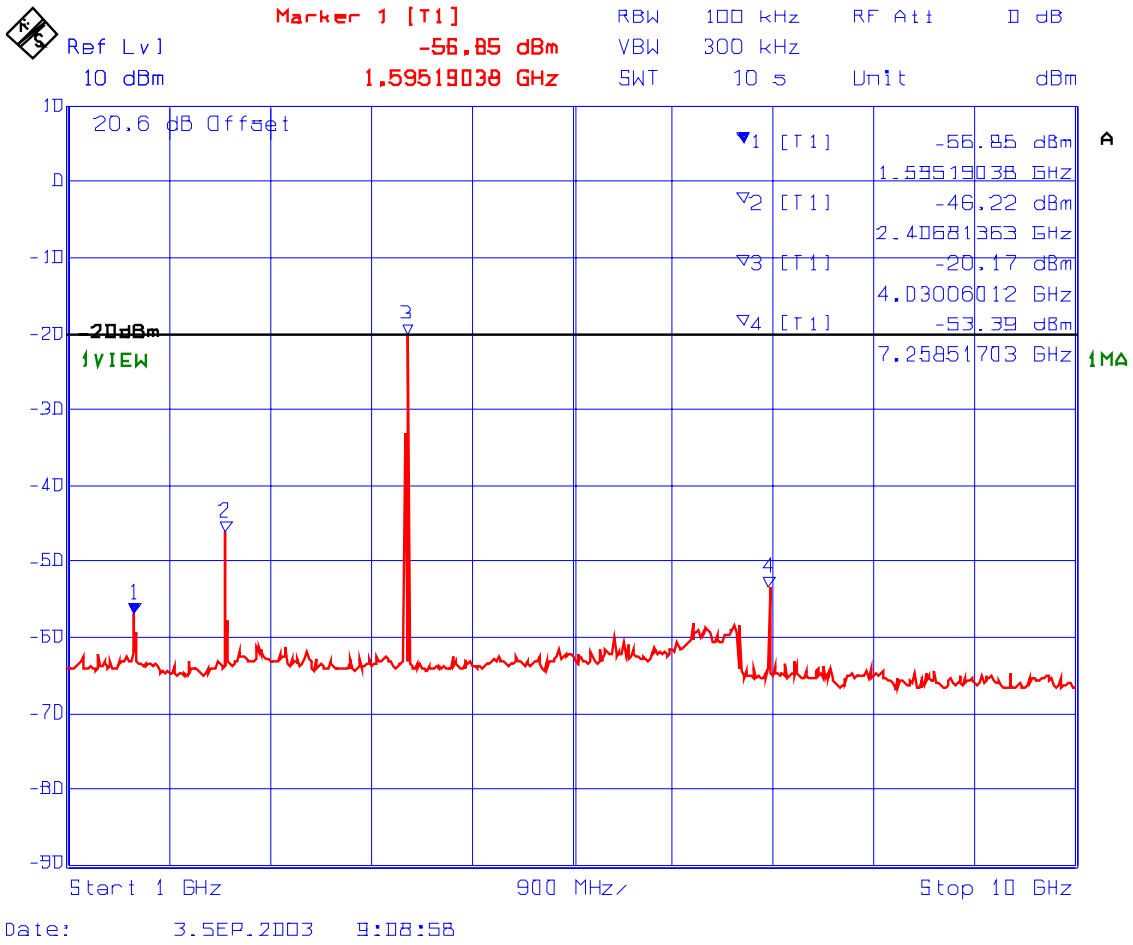
- The emissions were scanned from 10 MHz to 10 GHz and all emissions within 20 dB below the limits were recorded.
- Refer to Plots # 382-383 for Spurious emissions outside the Permitted Band 928-941 MHz

PLOT # 234 Spurious Emissions Conducted with 1 RF signal input/output Fc: 806 MHz



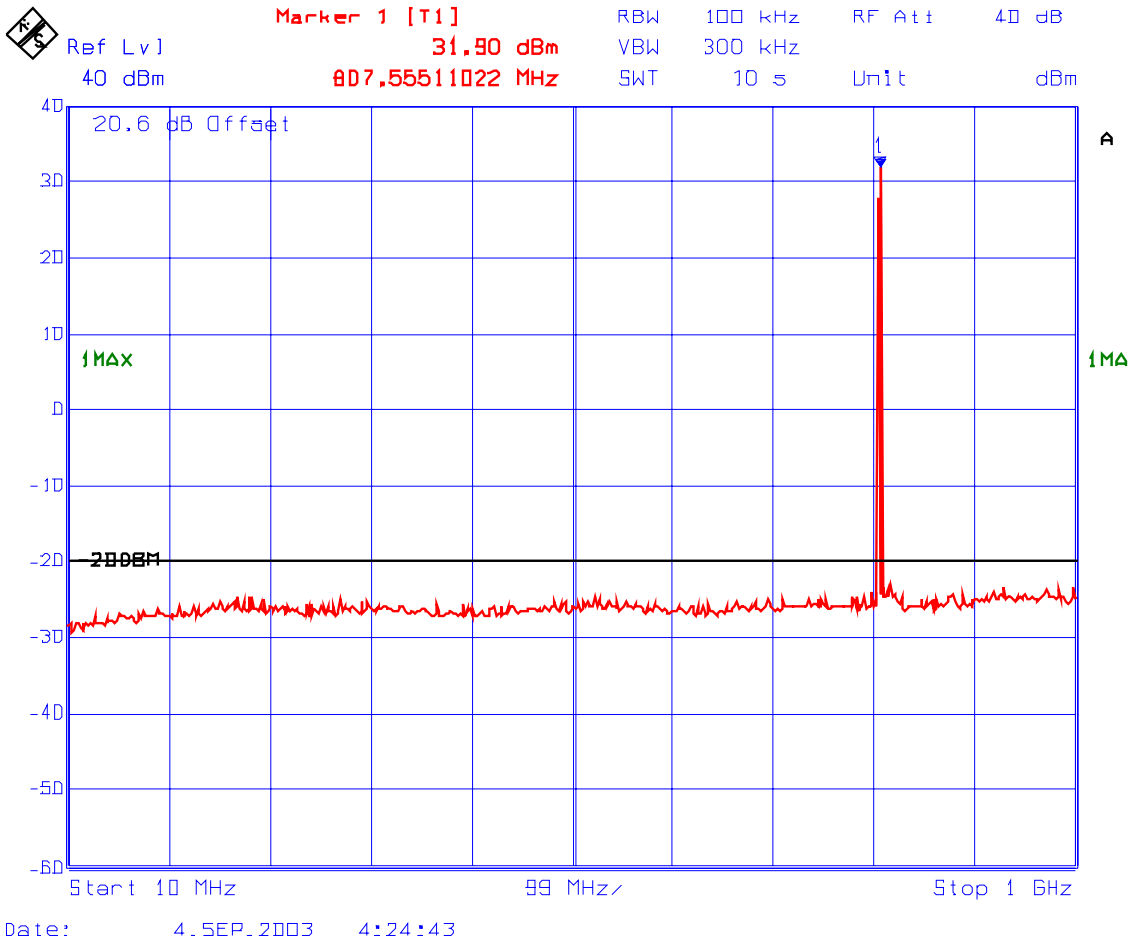
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 235 Spurious Emissions Conducted with 1 RF signal input/output Fc: 806 MHz



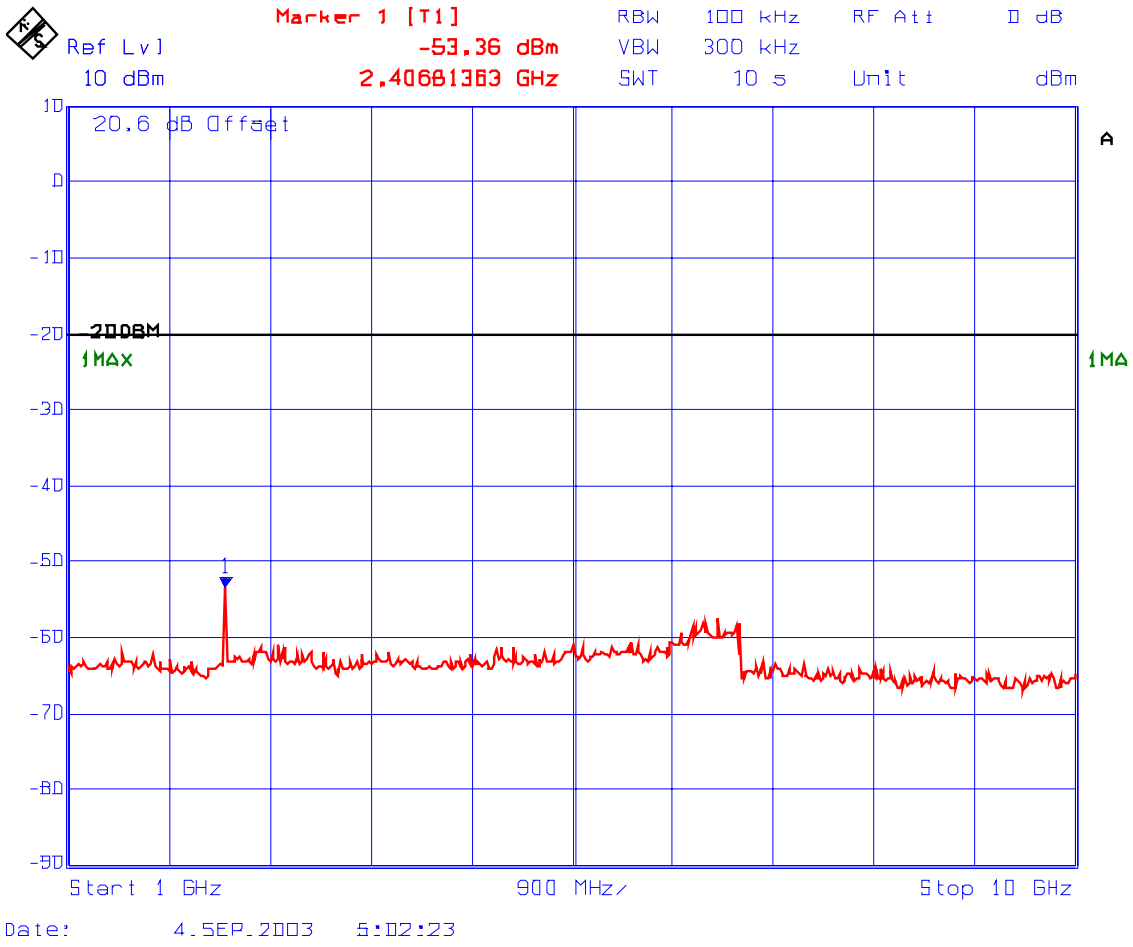
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 236 Spurious Emissions Conducted with 2 RF signal inputs/outputs Fc: 806 MHz, Fc + 12.5 kHz



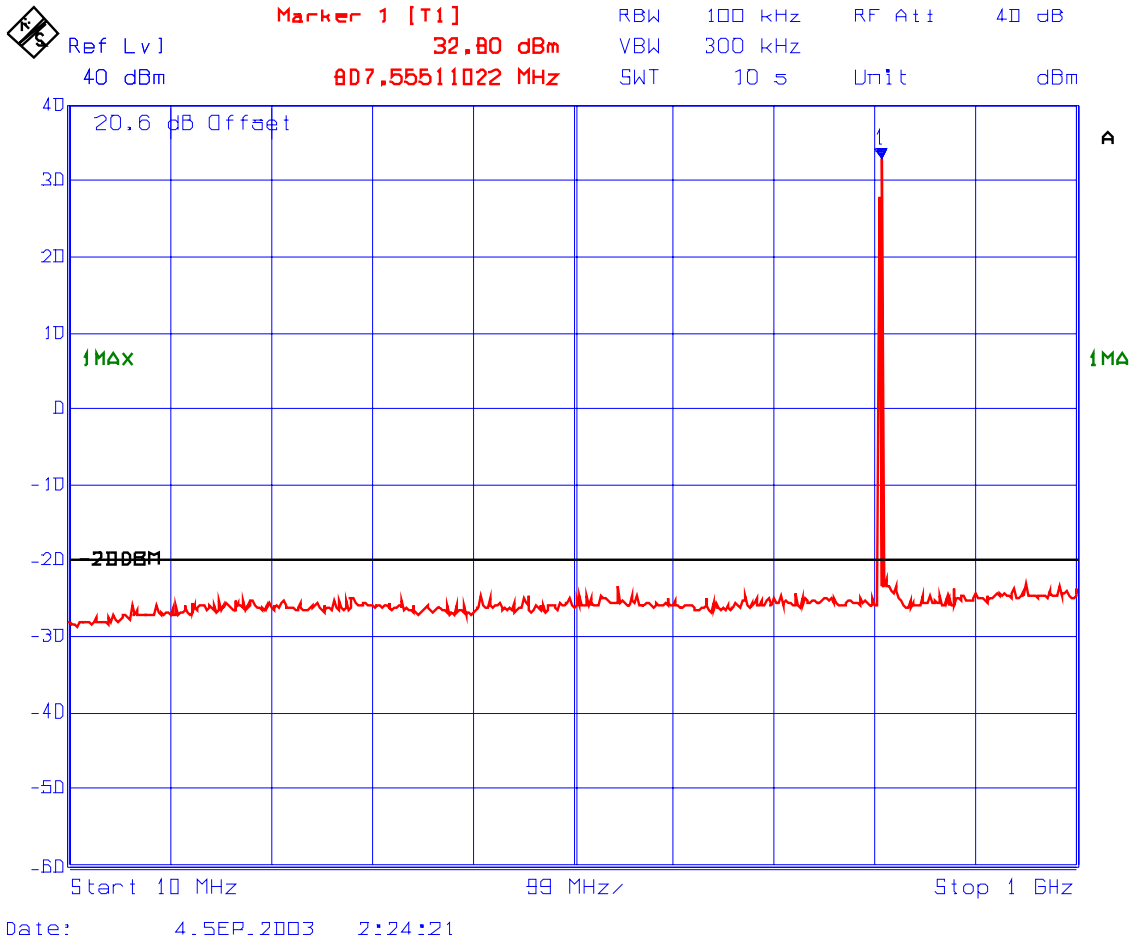
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 237 Spurious Emissions Conducted with 2 RF signal inputs/outputs Fc: 806 MHz, Fc + 12.5 kHz



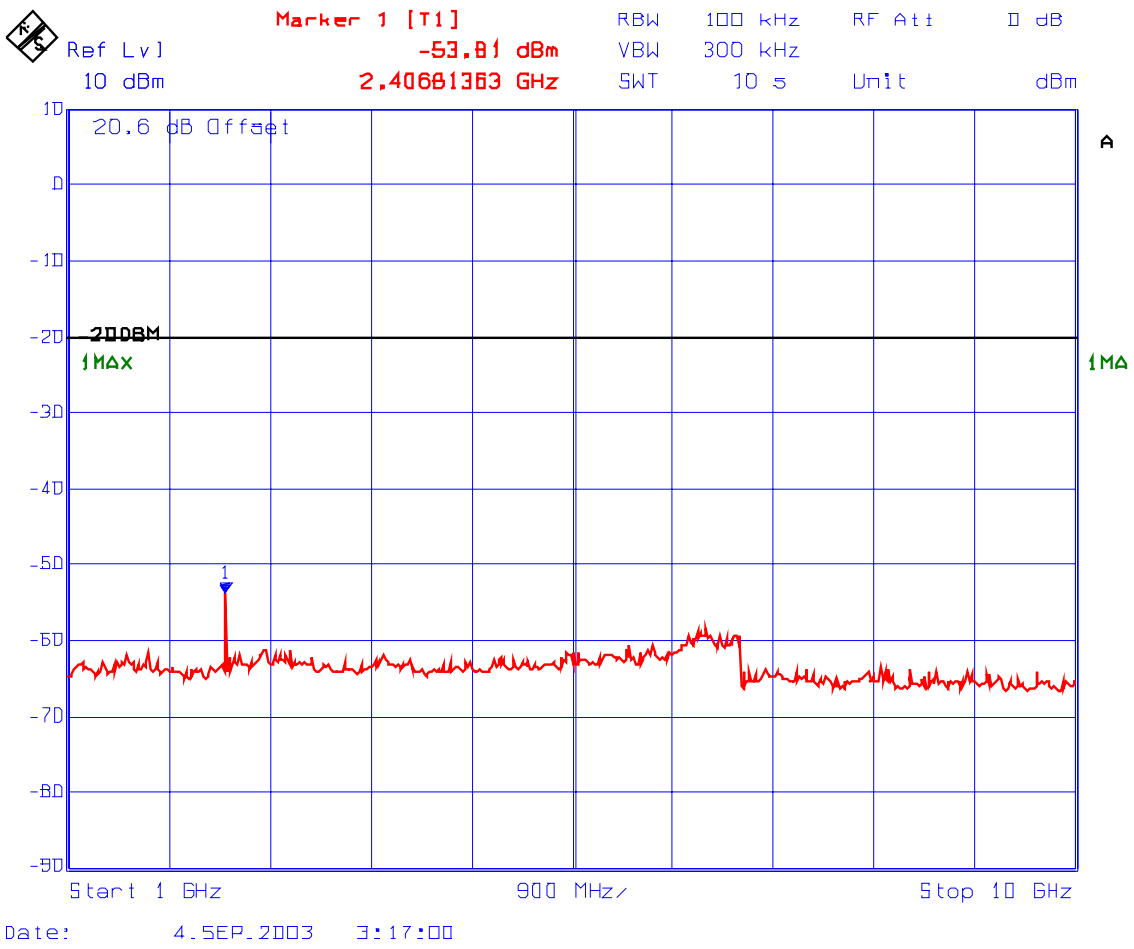
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 238 Spurious Emissions Conducted with 3 RF signal inputs/outputs Fc: 806 MHz, Fc + 12.5 kHz & Fc + 25 kHz



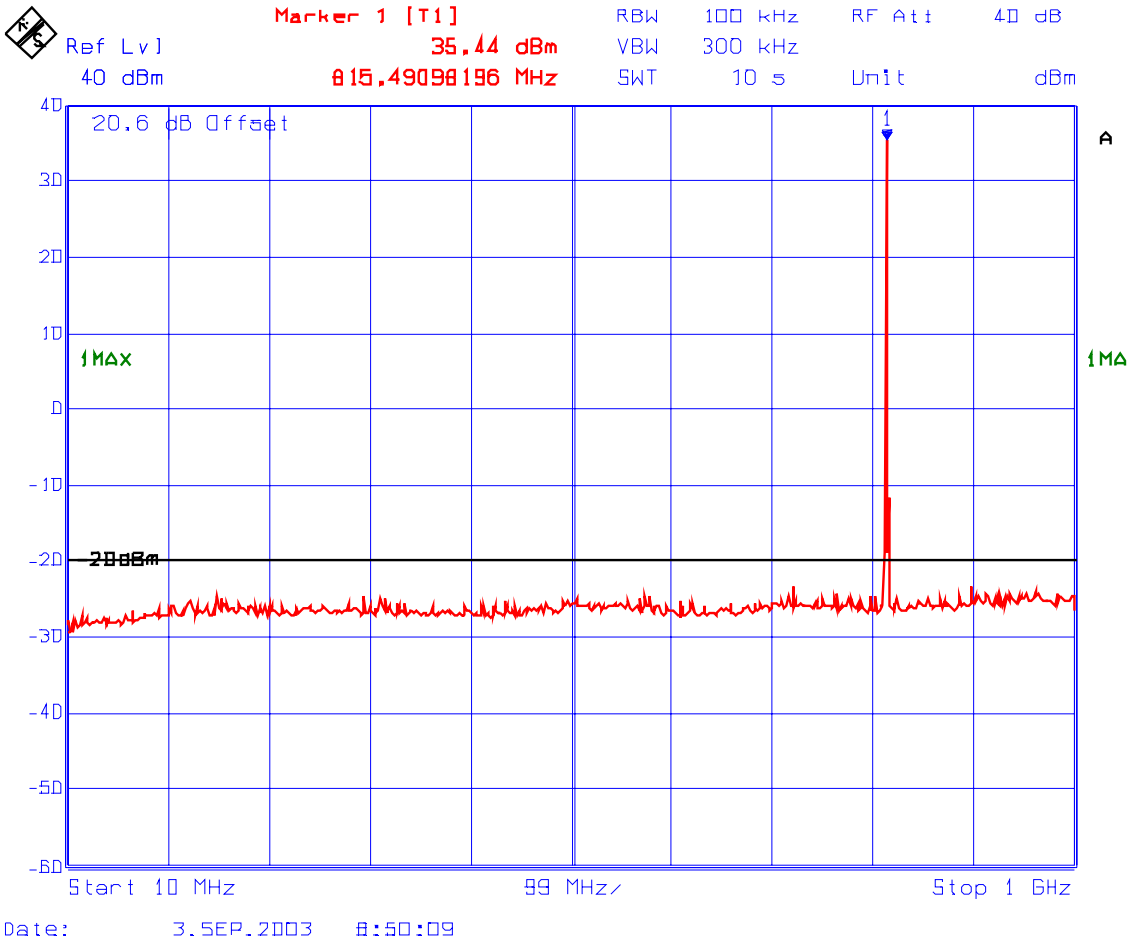
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 239 Spurious Emissions Conducted with 3 RF signal inputs/outputs Fc: 806 MHz, Fc + 12.5 kHz & Fc + 25 kHz



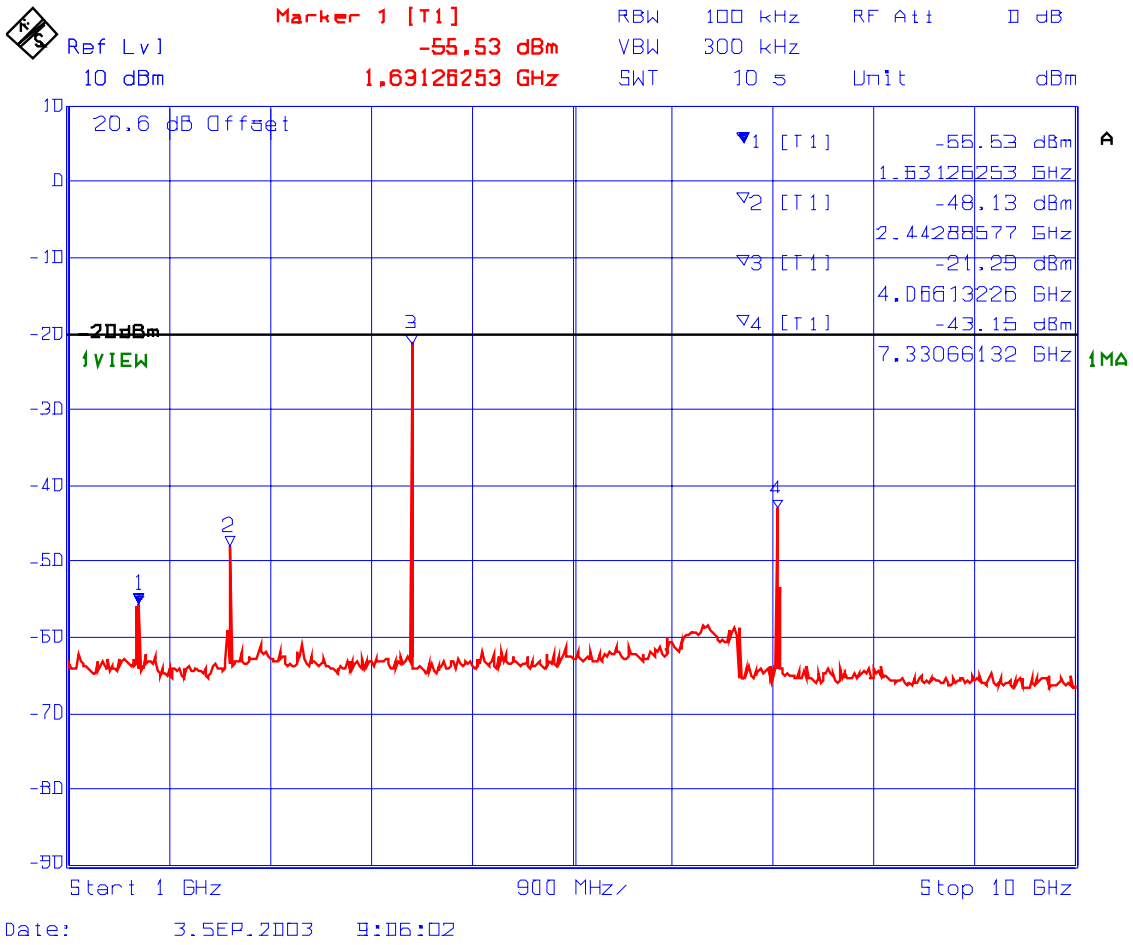
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 240 Spurious Emissions Conducted with 1 RF signal input/output Fc: 815 MHz



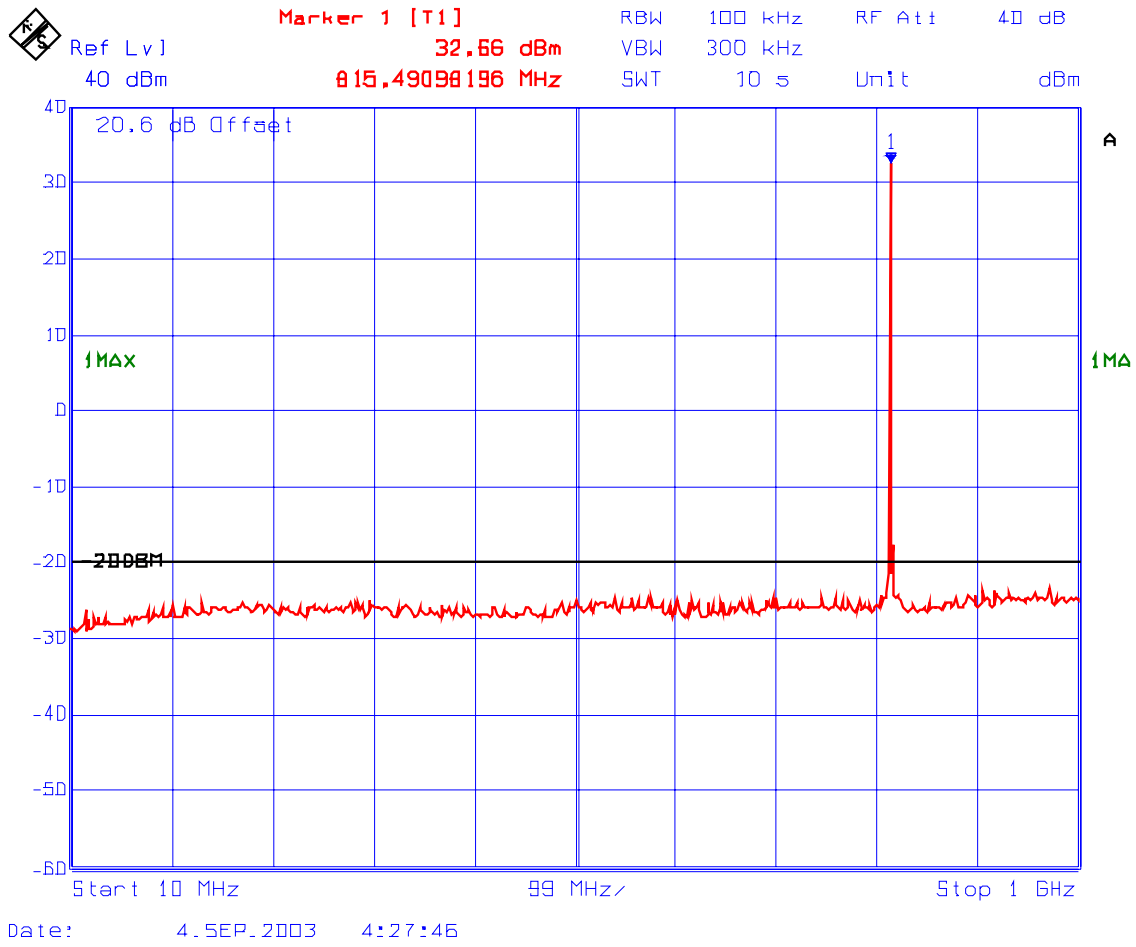
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 241 Spurious Emissions Conducted with 1 RF signal input/output Fc: 815 MHz



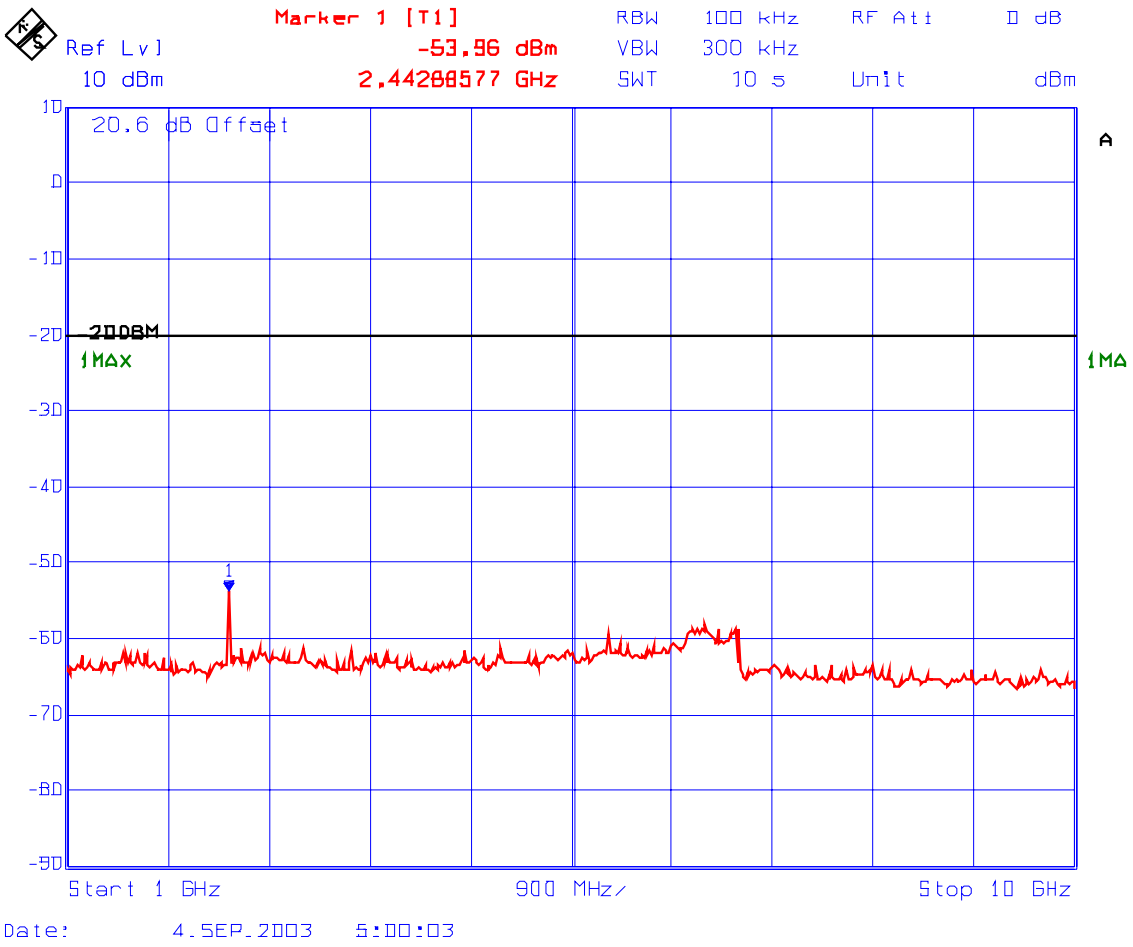
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 242 Spurious Emissions Conducted with 2 RF signal inputs/outputs Fc: 815 MHz, Fc + 12.5 kHz



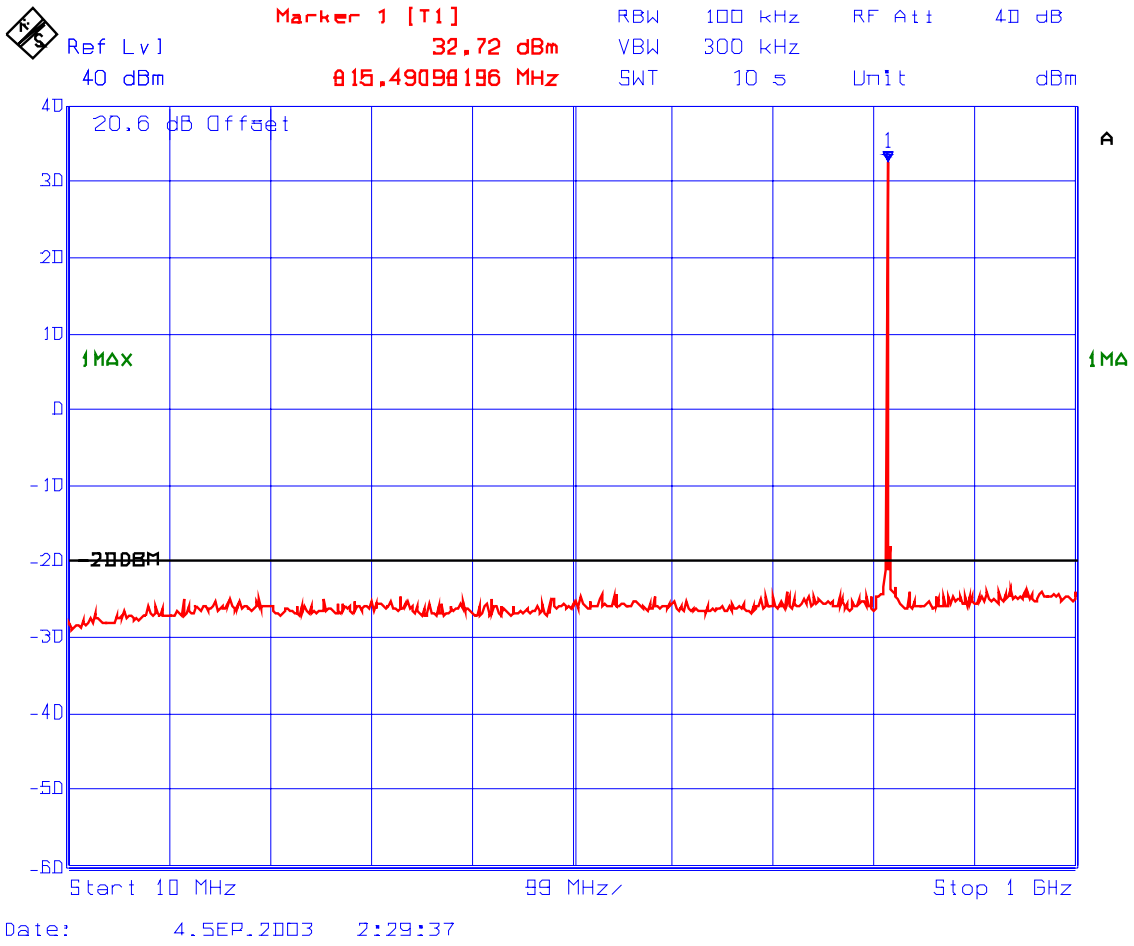
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 243 Spurious Emissions Conducted with 2 RF signal inputs/outputs Fc: 815 MHz, Fc + 12.5 kHz



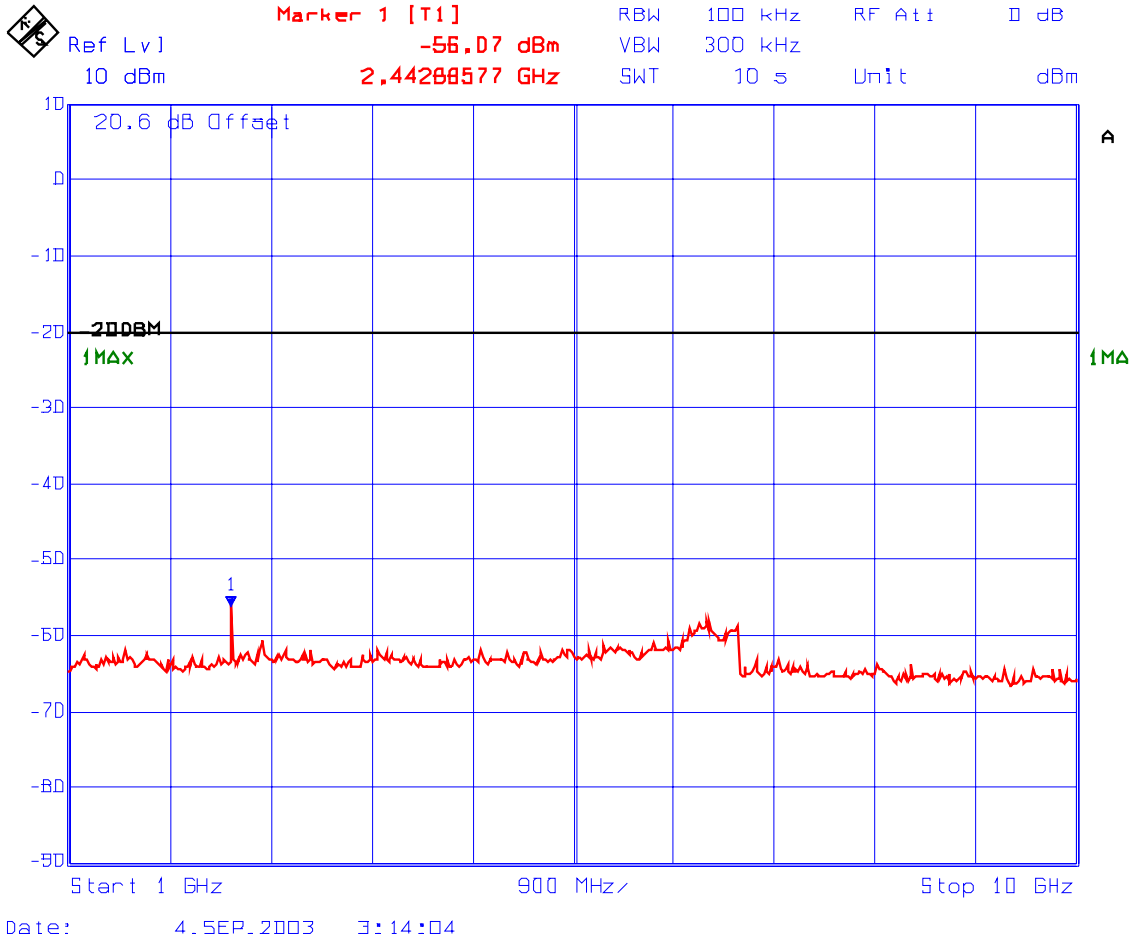
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 244 Spurious Emissions Conducted with 3 RF signal inputs/outputs Fc: 815 MHz, Fc - 12.5 kHz & Fc + 12.5 kHz



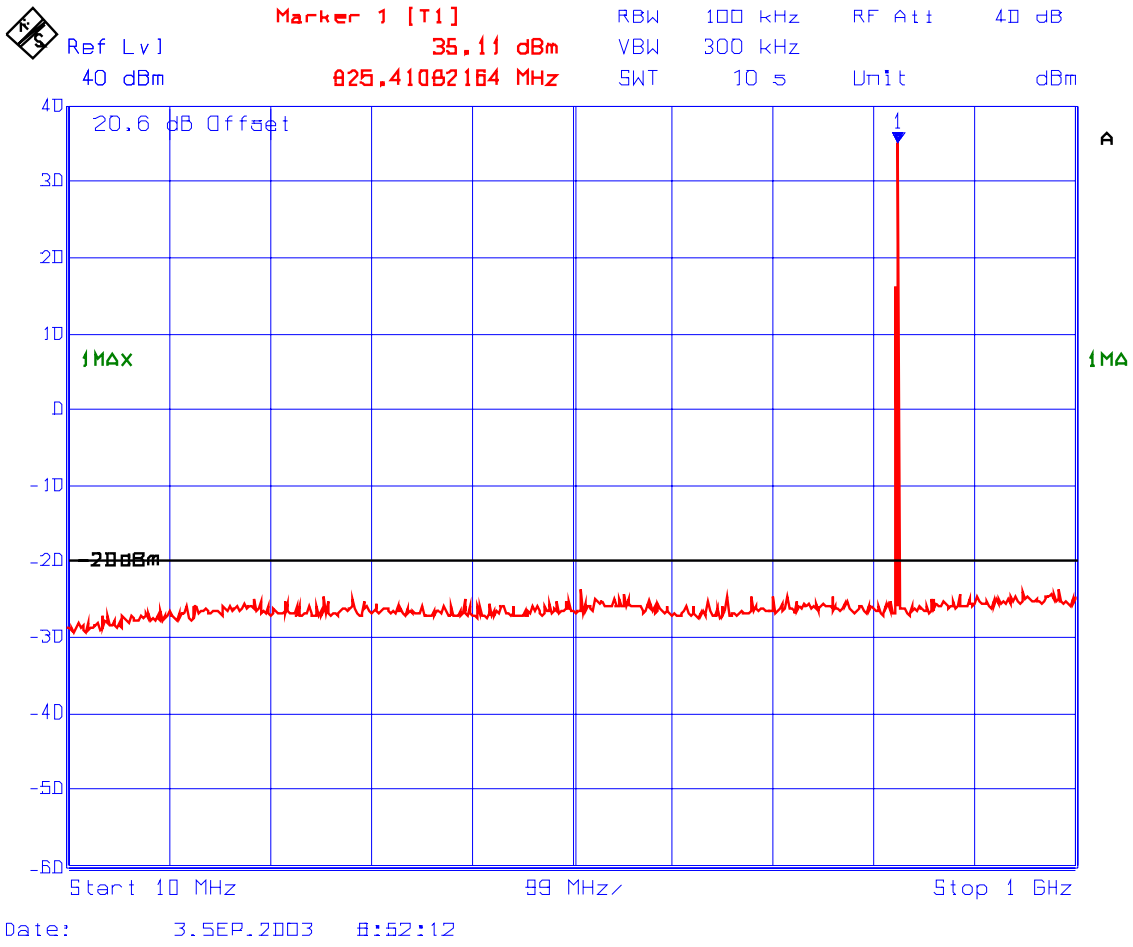
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 245 Spurious Emissions Conducted with 3 RF signal inputs/outputs Fc: 815 MHz, Fc - 12.5 kHz & Fc + 12.5 kHz



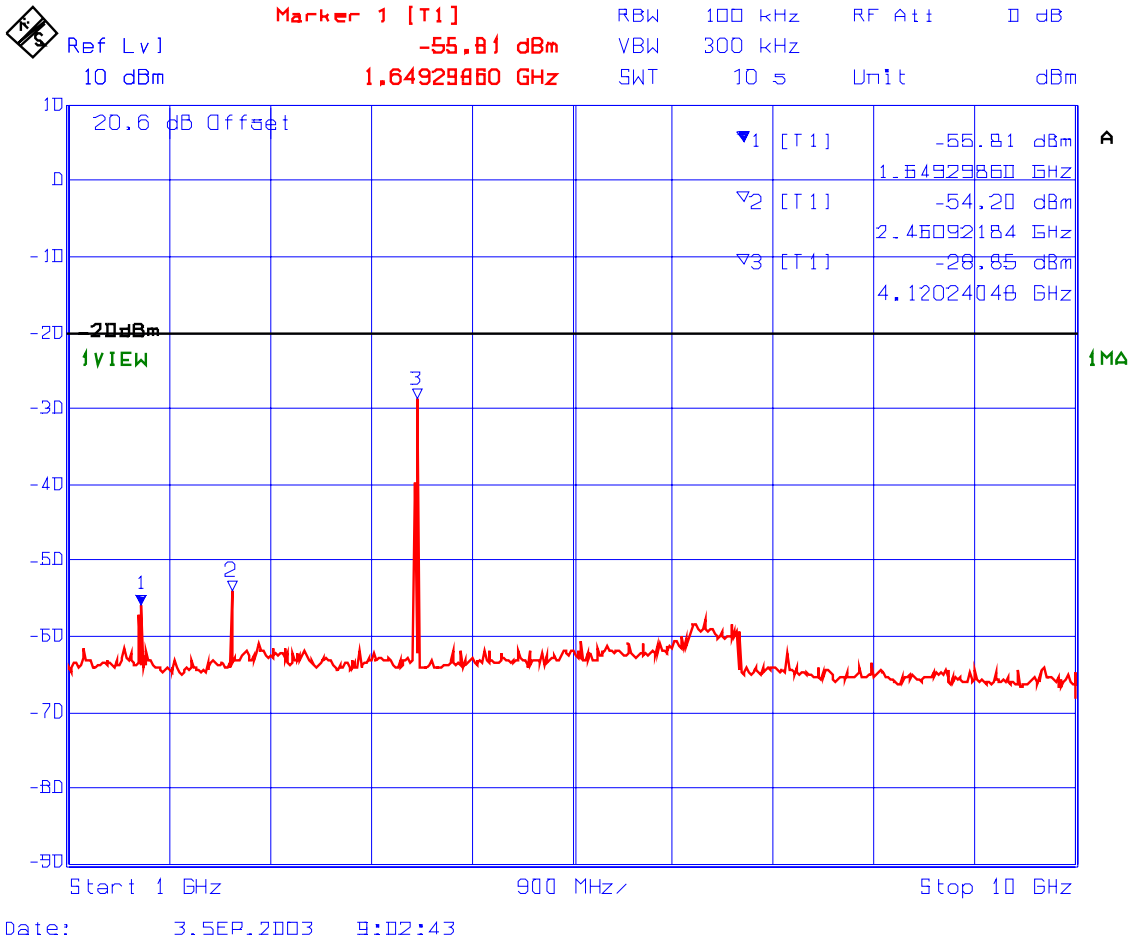
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 246 Spurious Emissions Conducted with 1 RF signal input/output Fc: 824 MHz



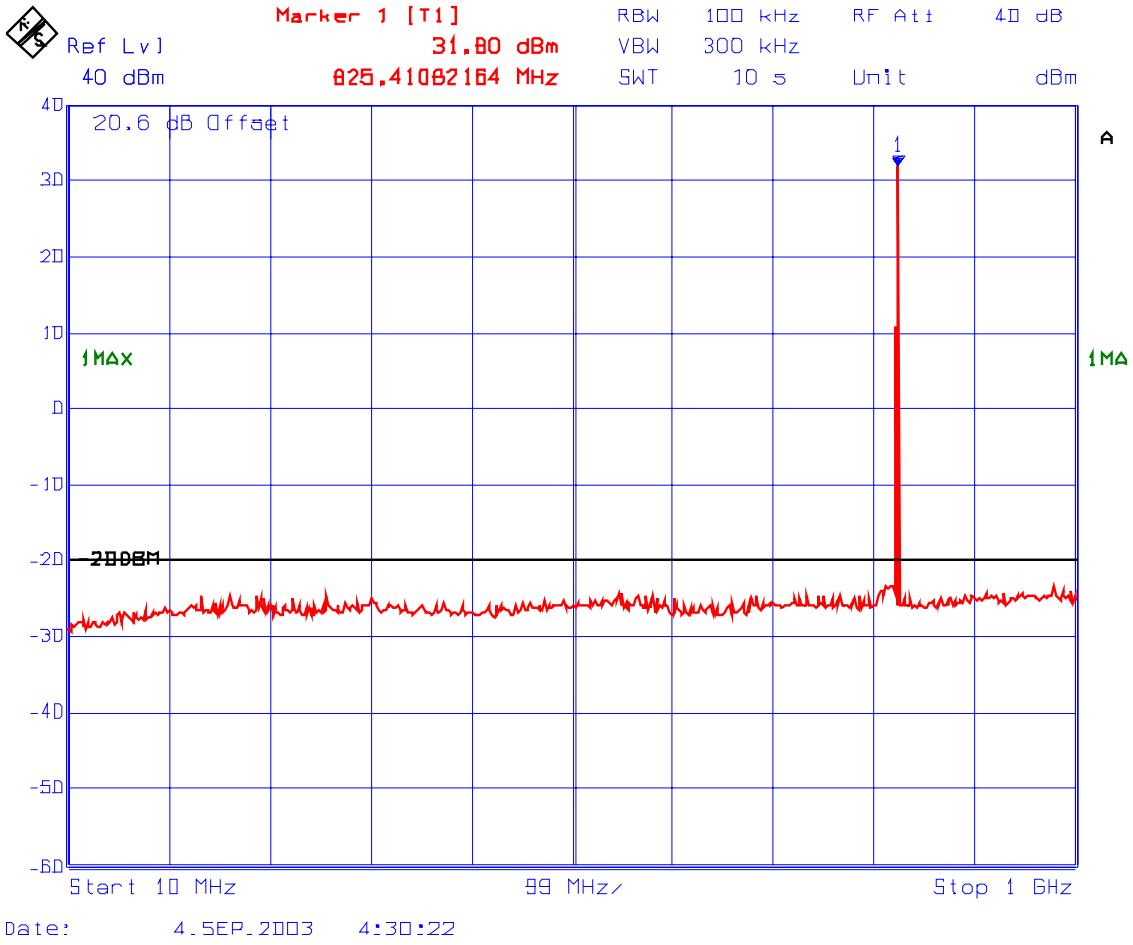
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 247 Spurious Emissions Conducted with 1 RF signal input/output
Fc: 824 MHz



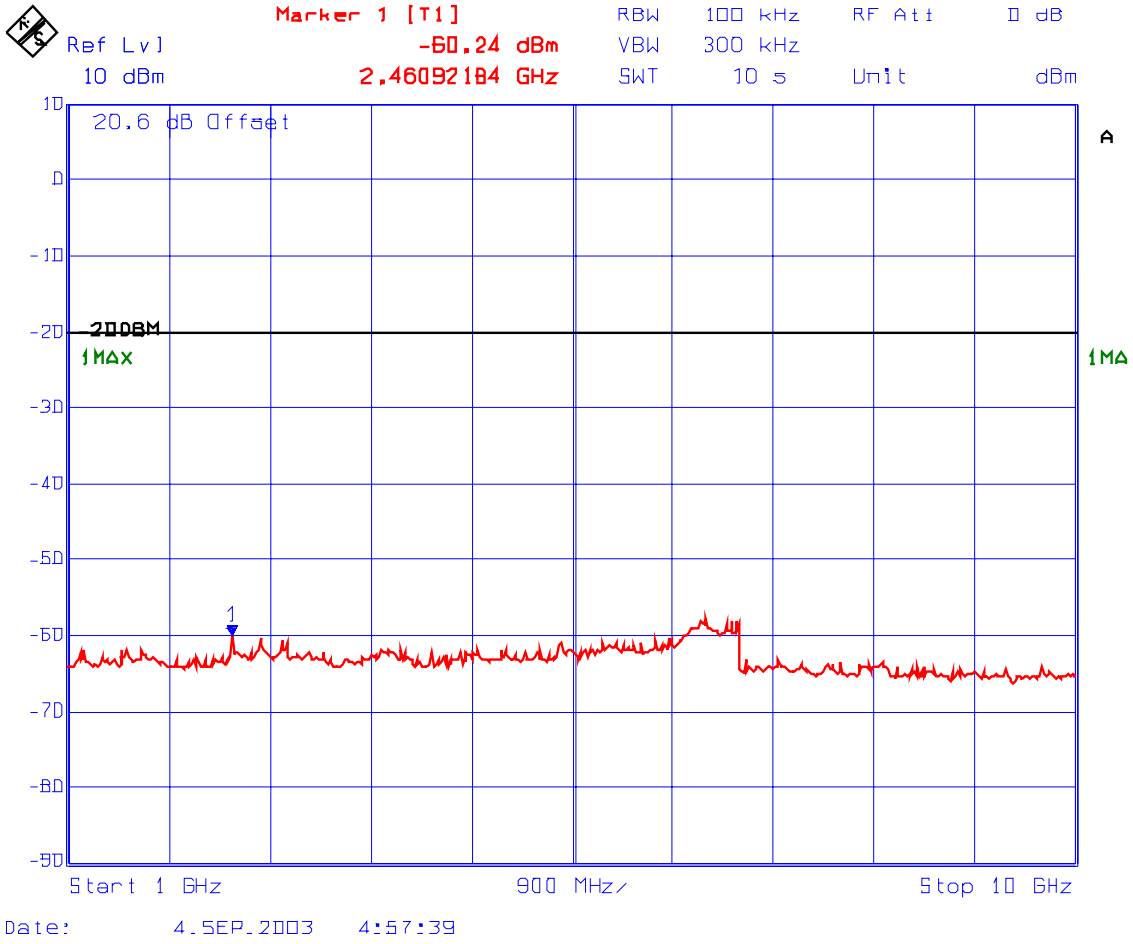
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 248 Spurious Emissions Conducted with 2 RF signal inputs/outputs Fc: 824 MHz, Fc - 12.5 kHz



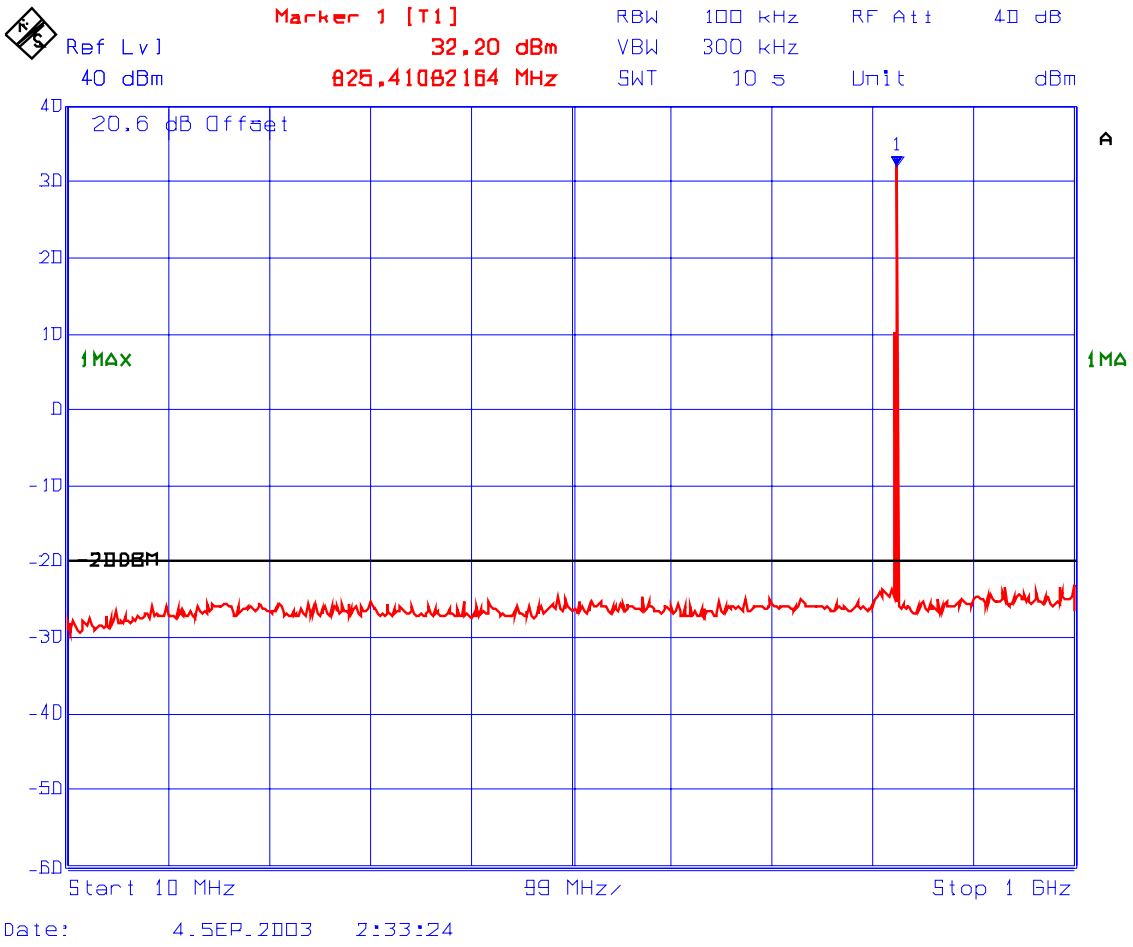
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 249 Spurious Emissions Conducted with 2 RF signal inputs/outputs Fc: 824 MHz, Fc - 12.5 kHz



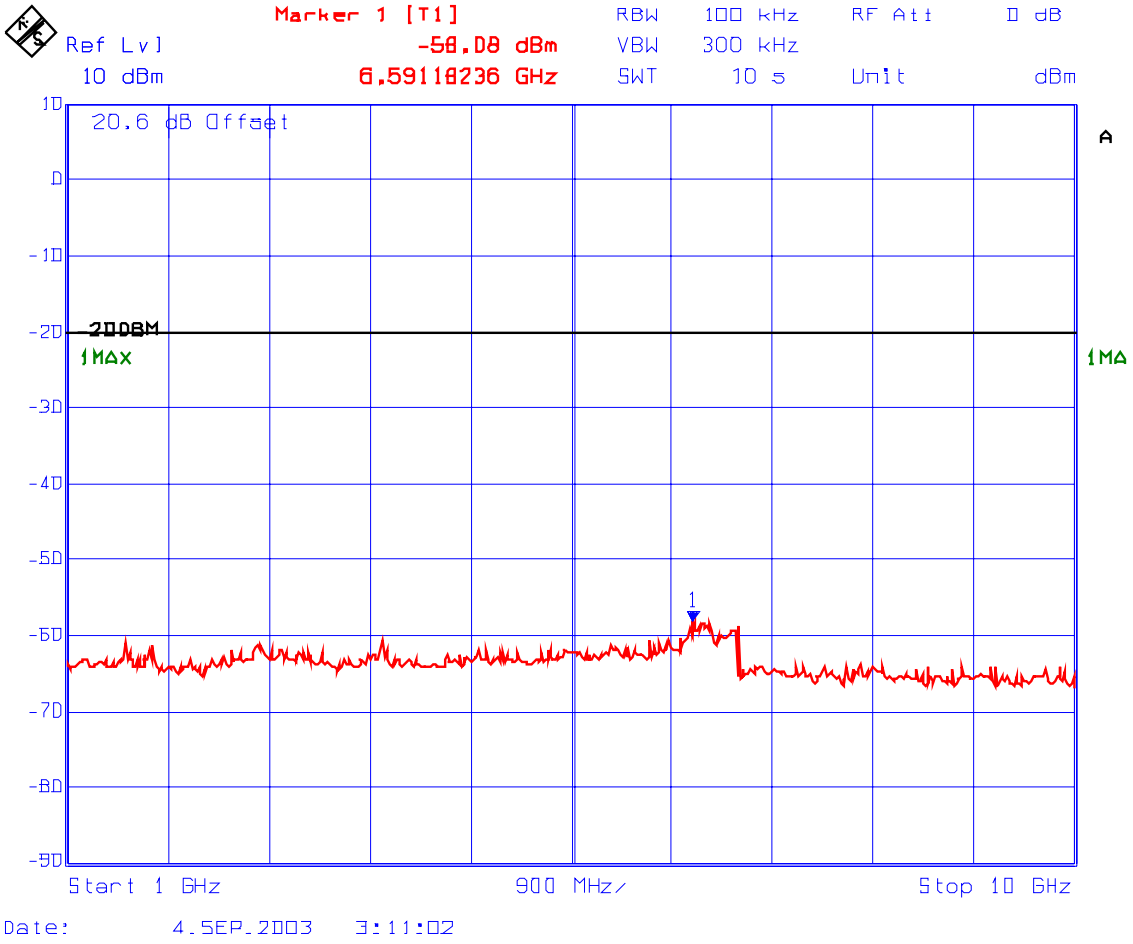
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 250 Spurious Emissions Conducted with 3 RF signal inputs/outputs Fc: 824 MHz, Fc - 12.5 kHz & Fc - 25 kHz



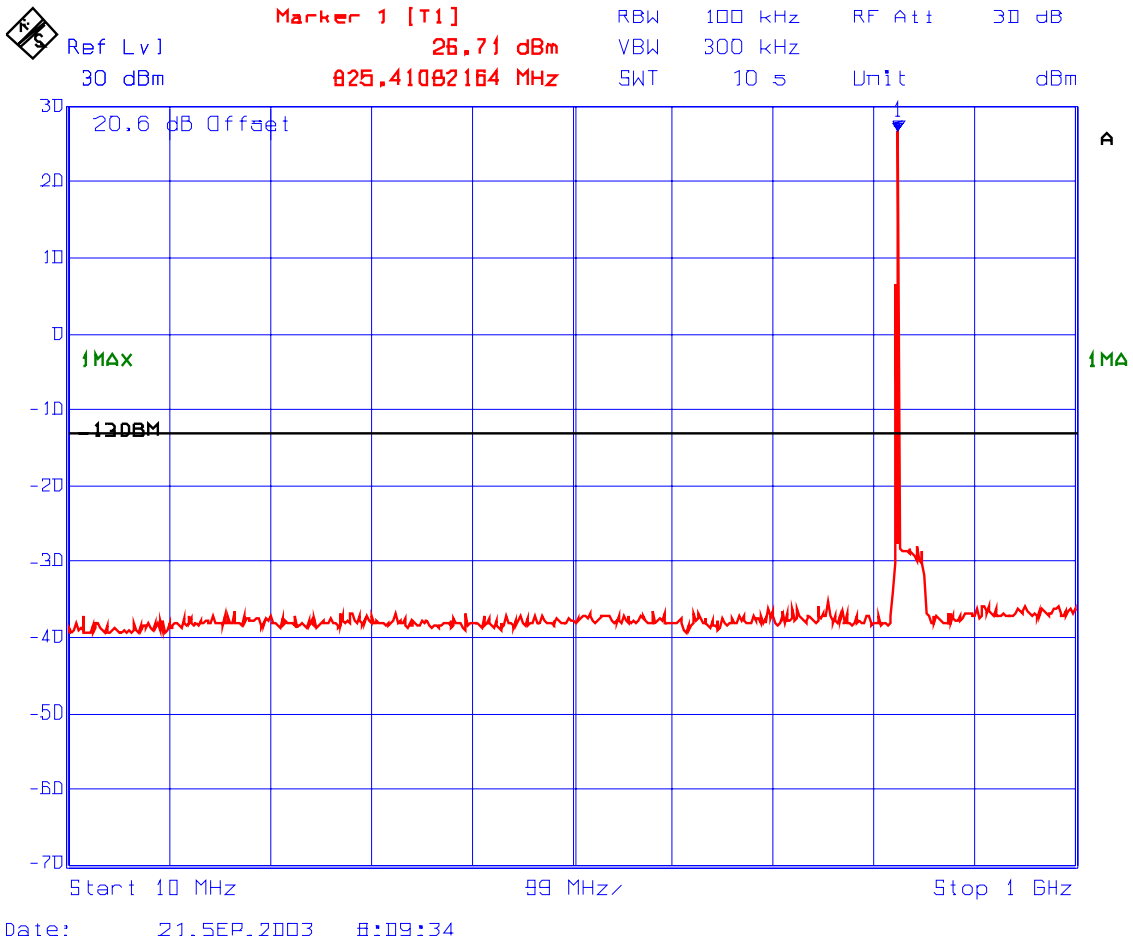
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 251 Spurious Emissions Conducted with 3 RF signal inputs/outputs Fc: 824 MHz, Fc - 12.5 kHz & Fc - 25 kHz



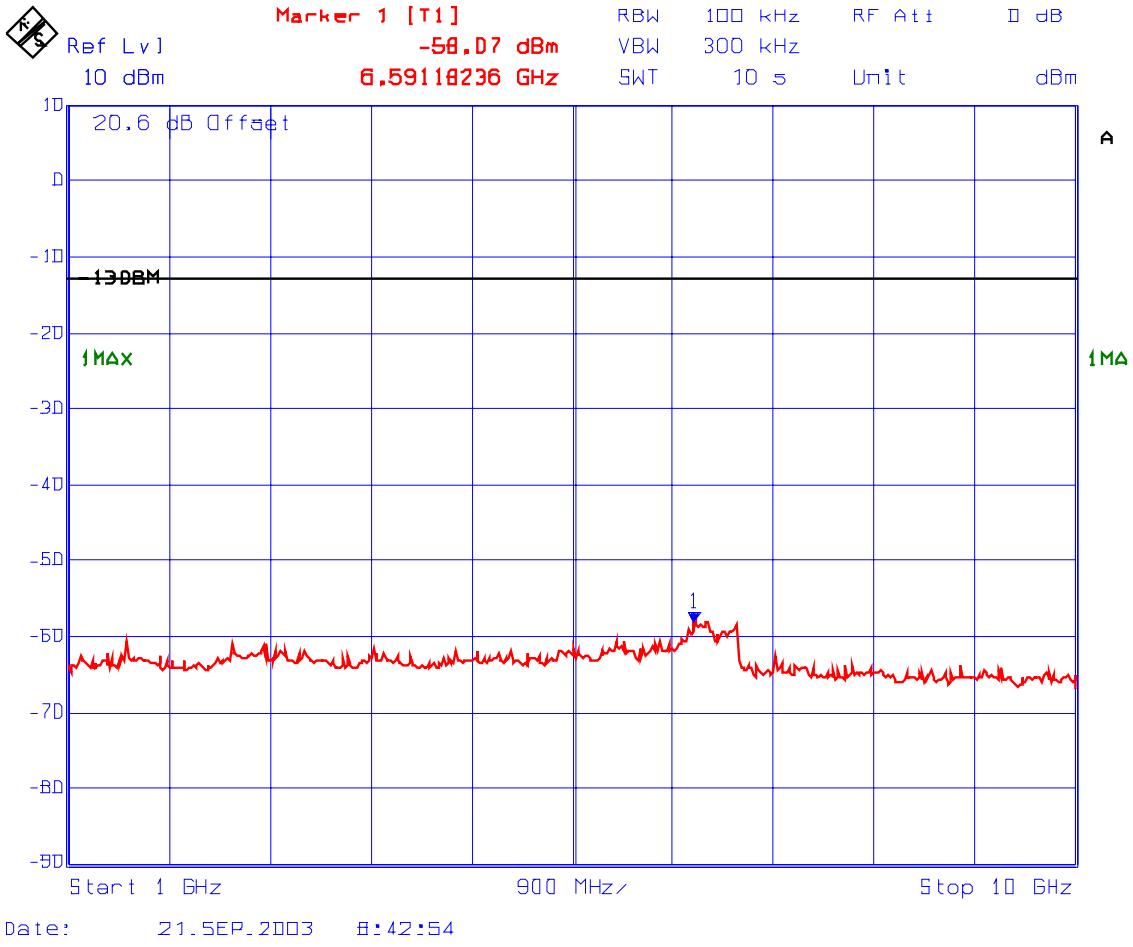
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 252 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: FM modulation with 2.5 kHz Sine Wave signal
Fc: 824 MHz



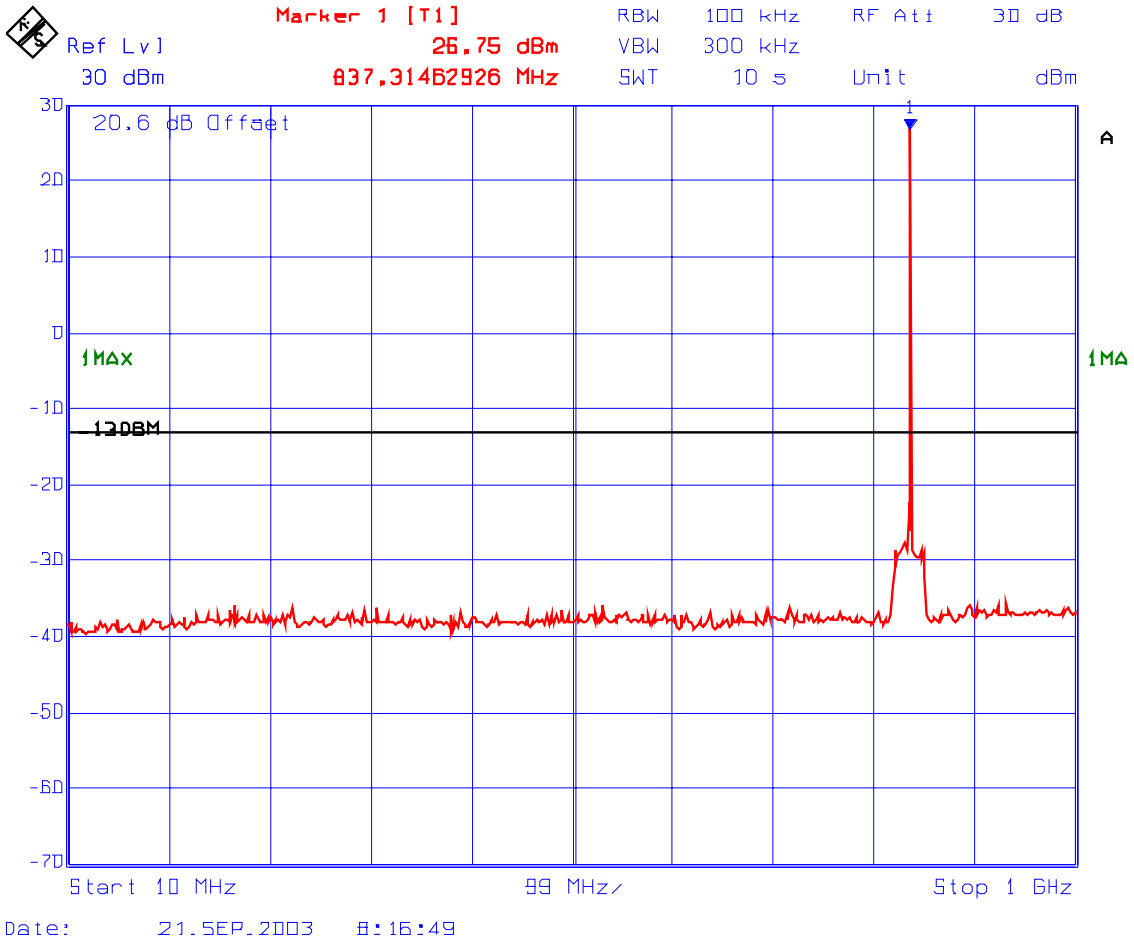
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 253 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: FM modulation with 2.5 kHz Sine Wave signal
Fc: 824 MHz



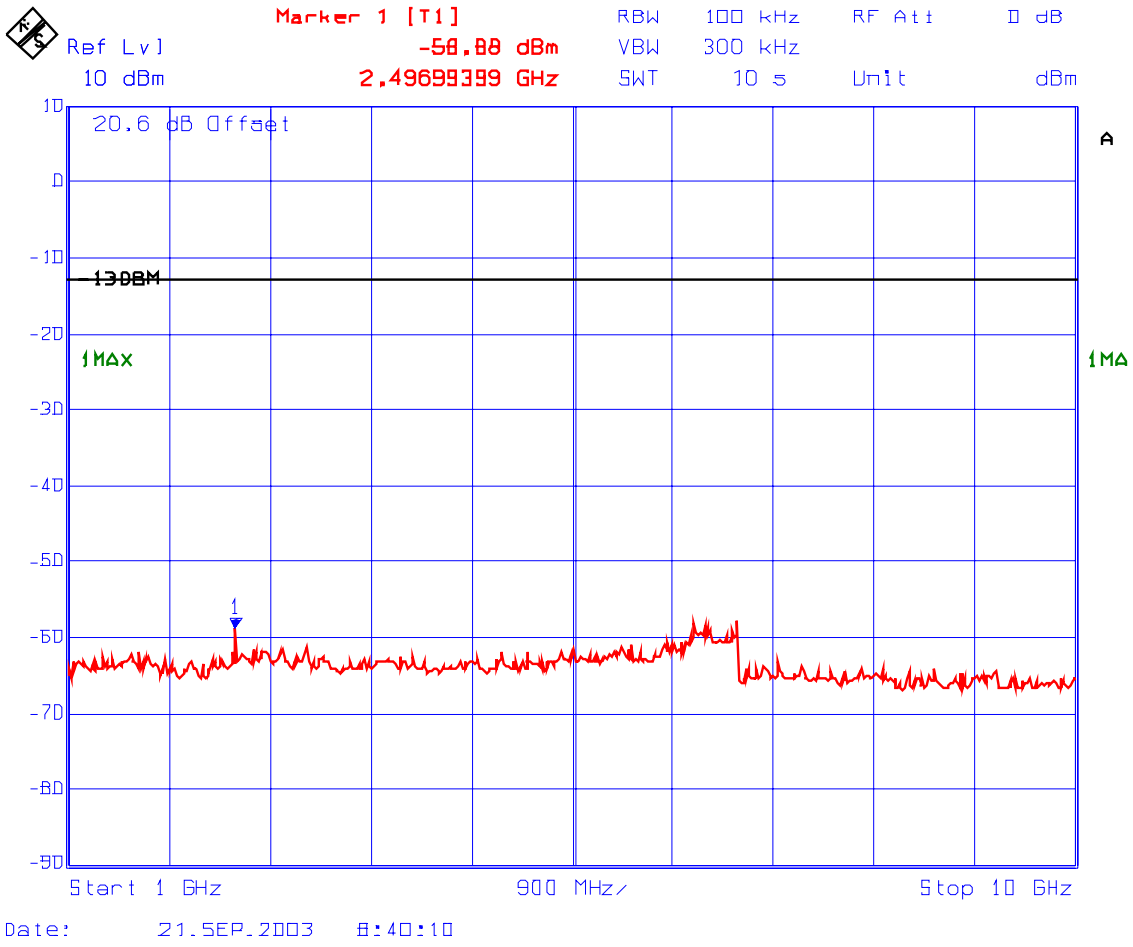
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 254 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: FM modulation with 2.5 kHz Sine Wave signal
Fc: 836.5 MHz



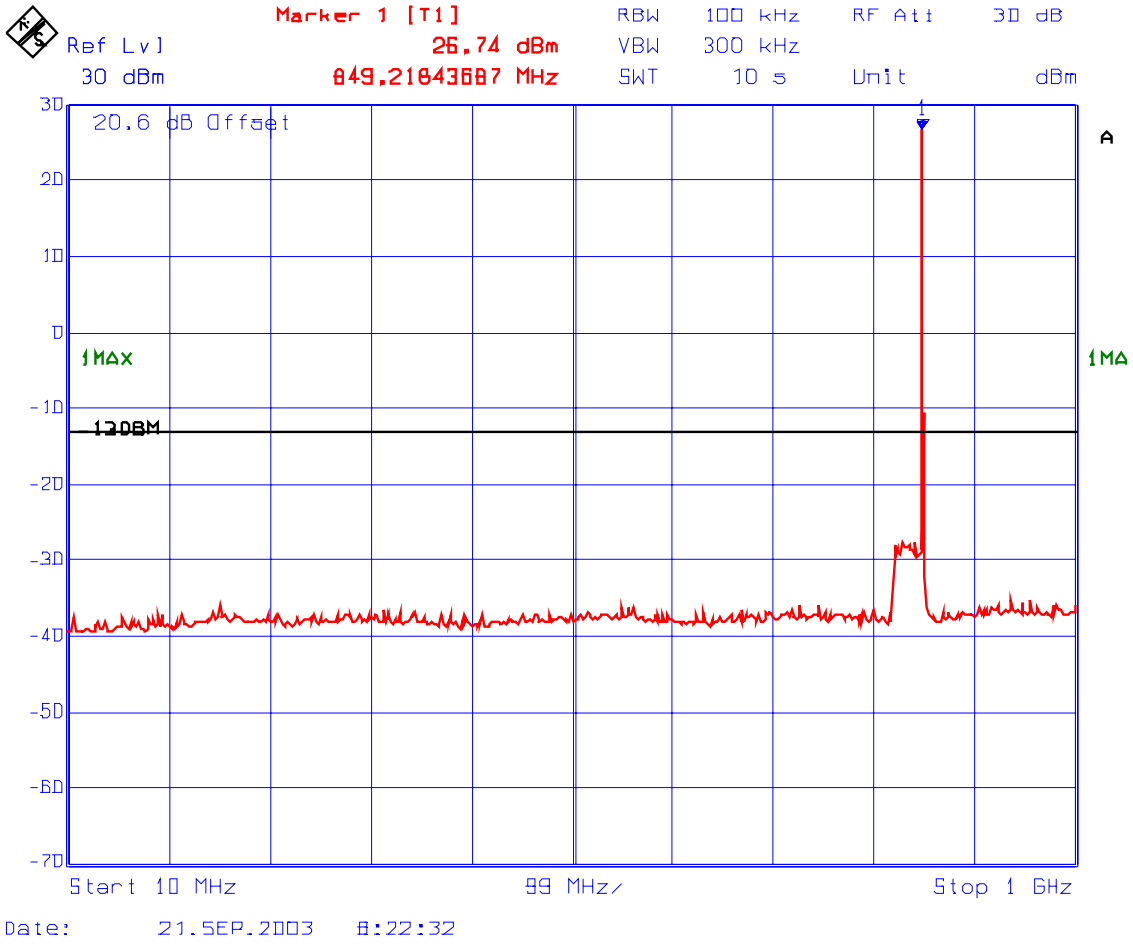
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 255 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: FM modulation with 2.5 kHz Sine Wave signal
Fc: 836.5 MHz



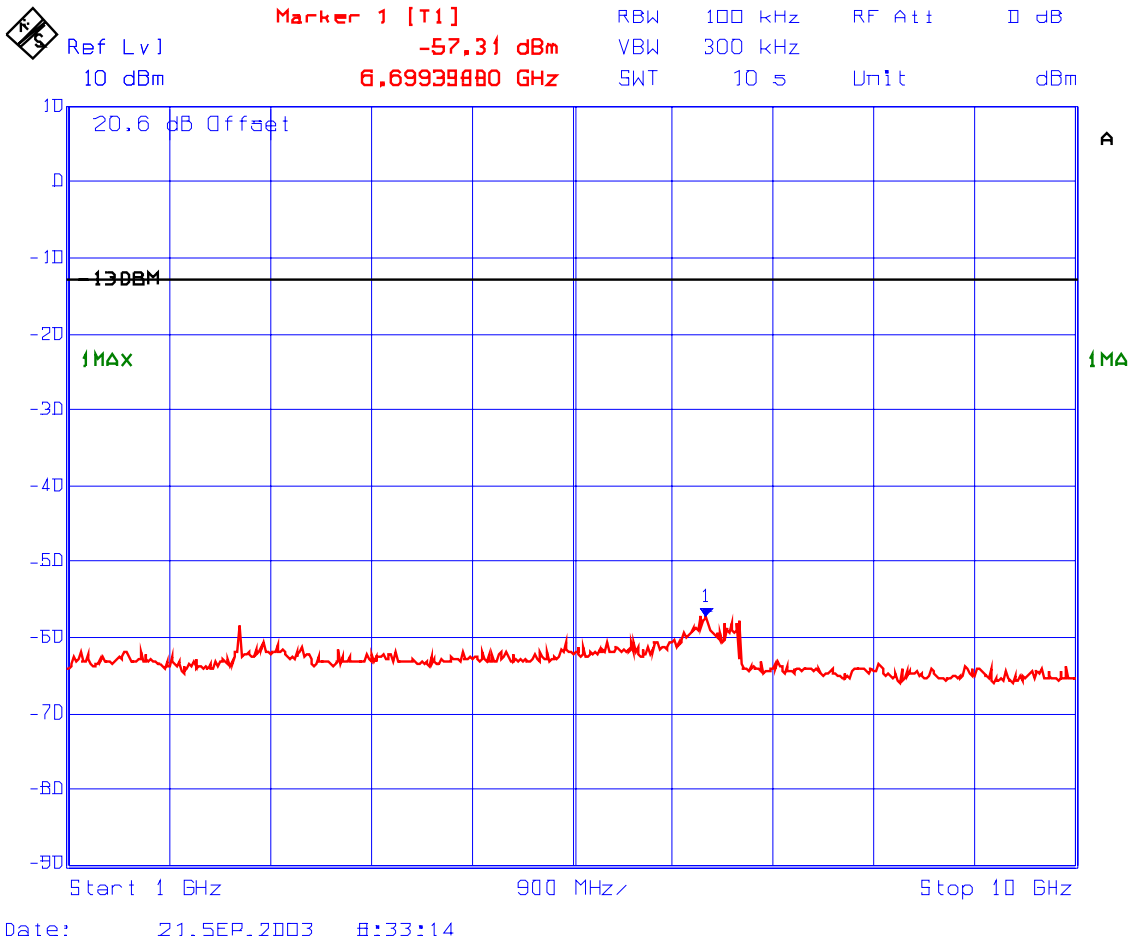
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 256 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: FM modulation with 2.5 kHz Sine Wave signal
Fc: 849 MHz



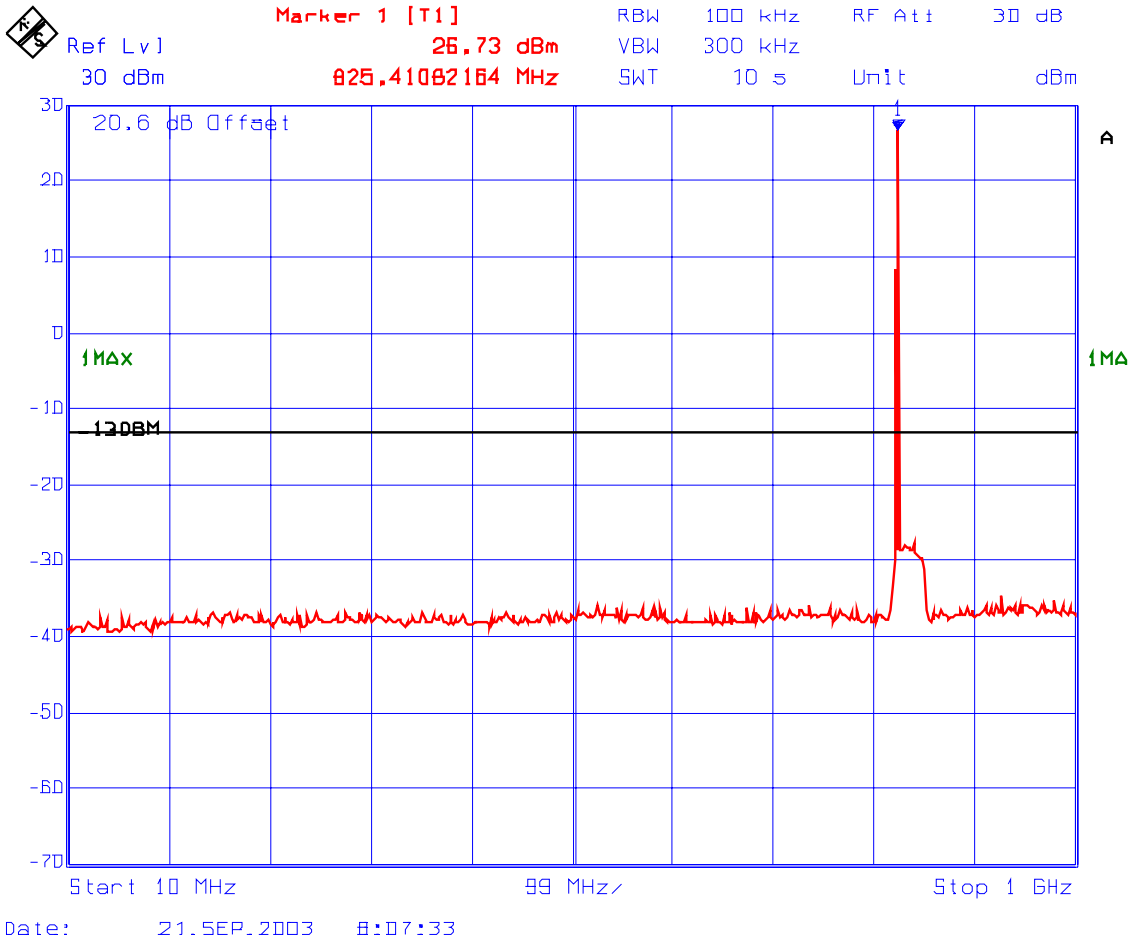
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 257 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: FM modulation with 2.5 kHz Sine Wave signal
Fc: 849 MHz



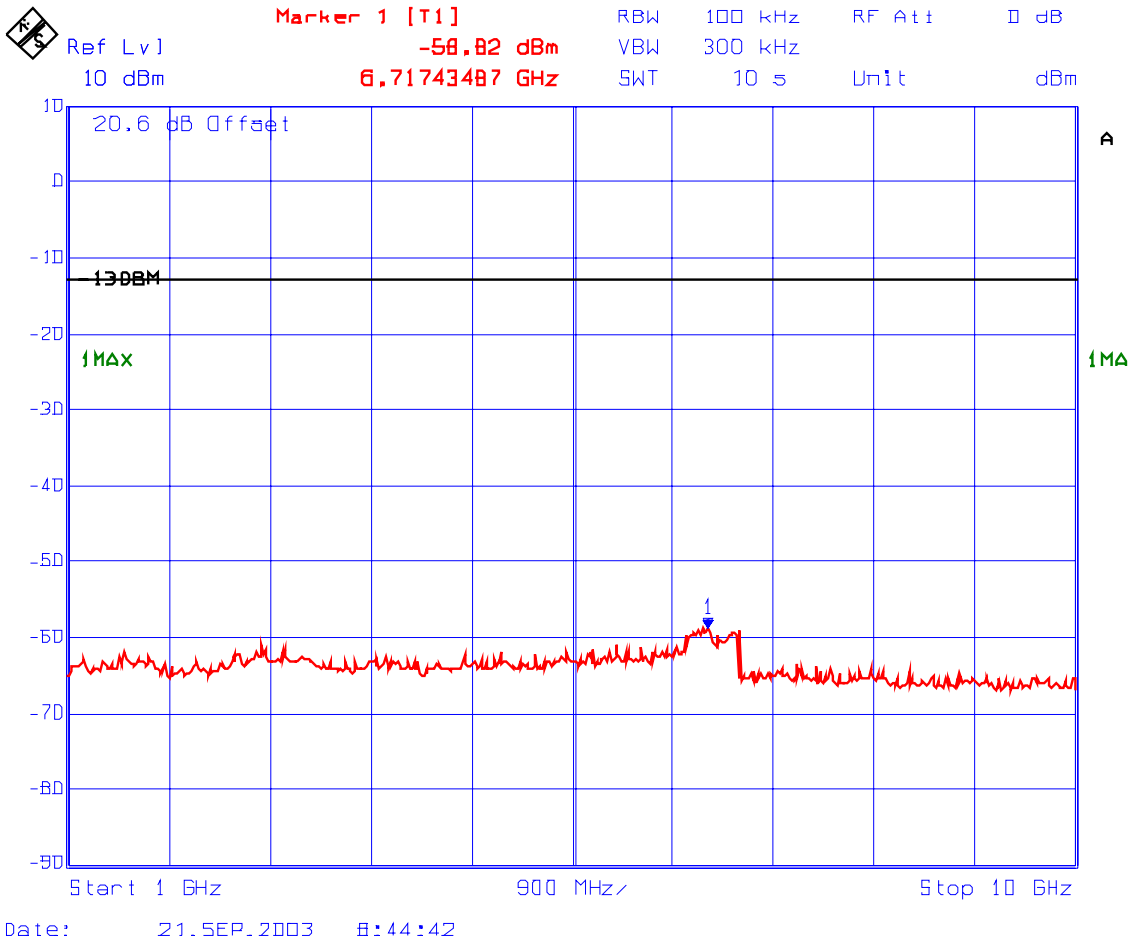
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 258 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: FM modulation with an external 9600 b/s random data source
Fc: 824 MHz



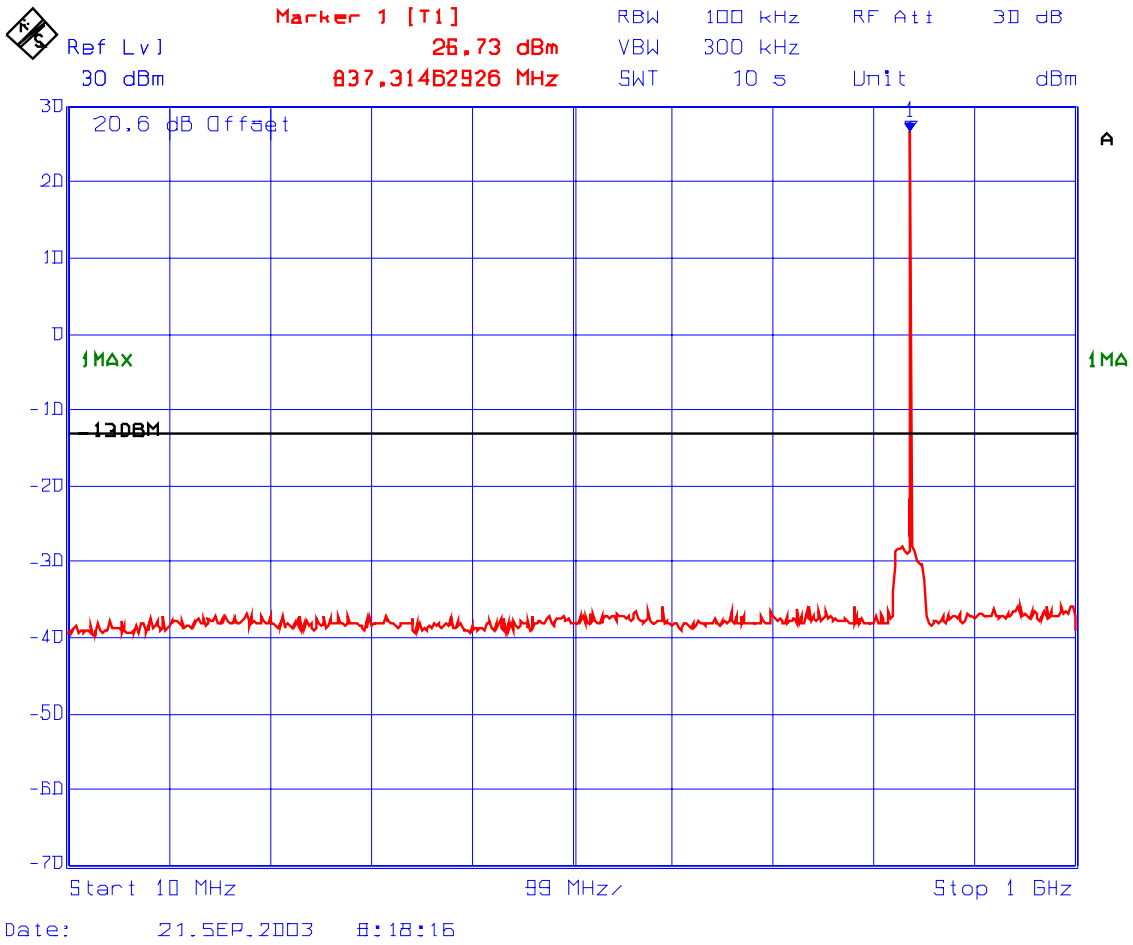
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 259 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: FM modulation with an external 9600 b/s random data source
Fc: 824 MHz



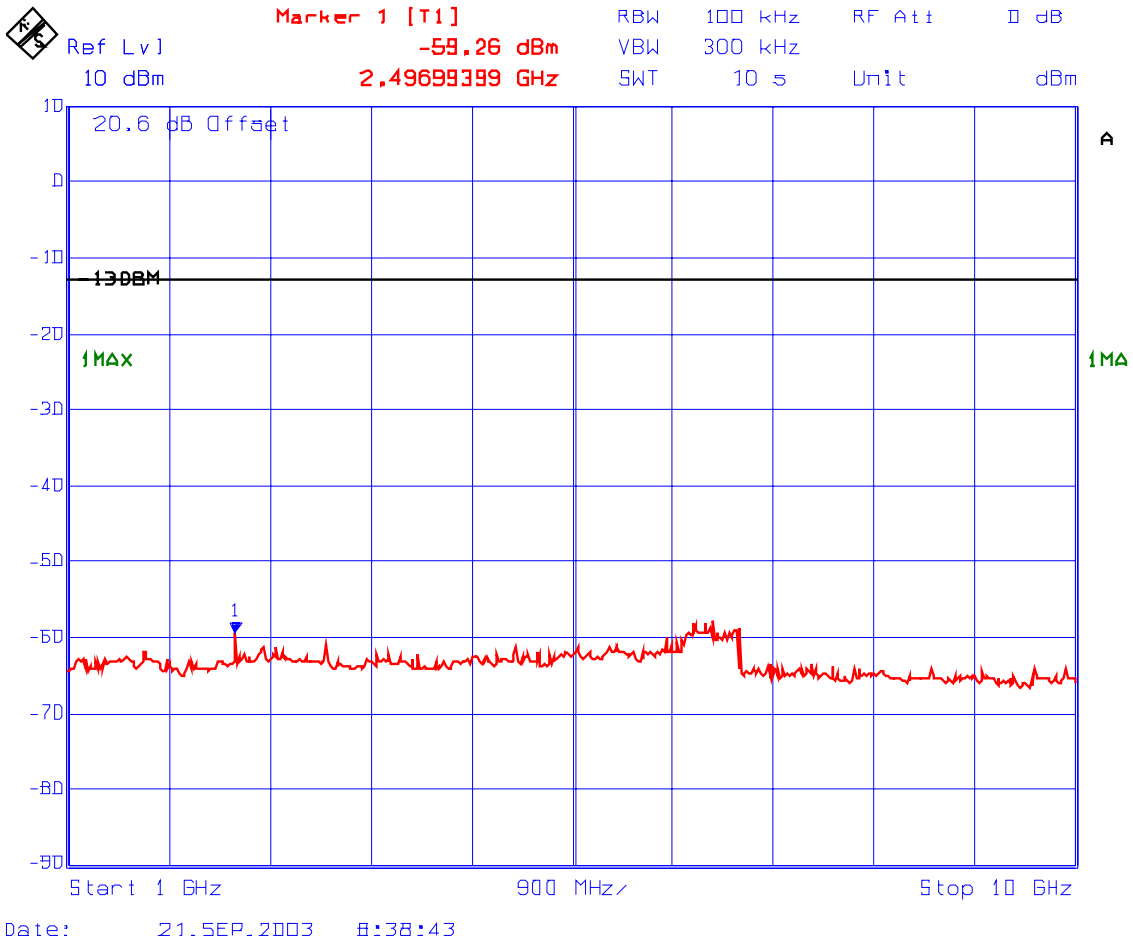
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 260 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: FM modulation with an external 9600 b/s random data source
Fc: 836.5 MHz



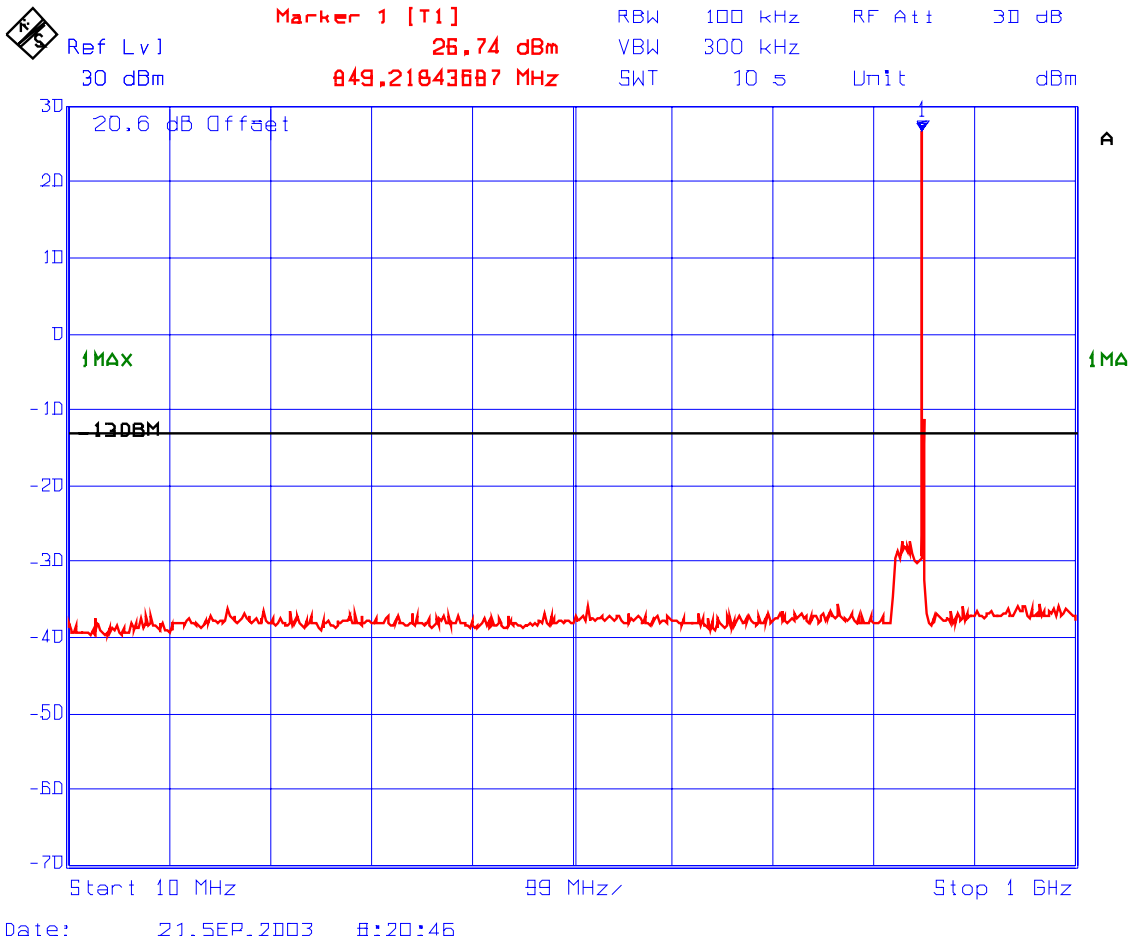
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 261 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: FM modulation with an external 9600 b/s random data source
Fc: 836.5 MHz



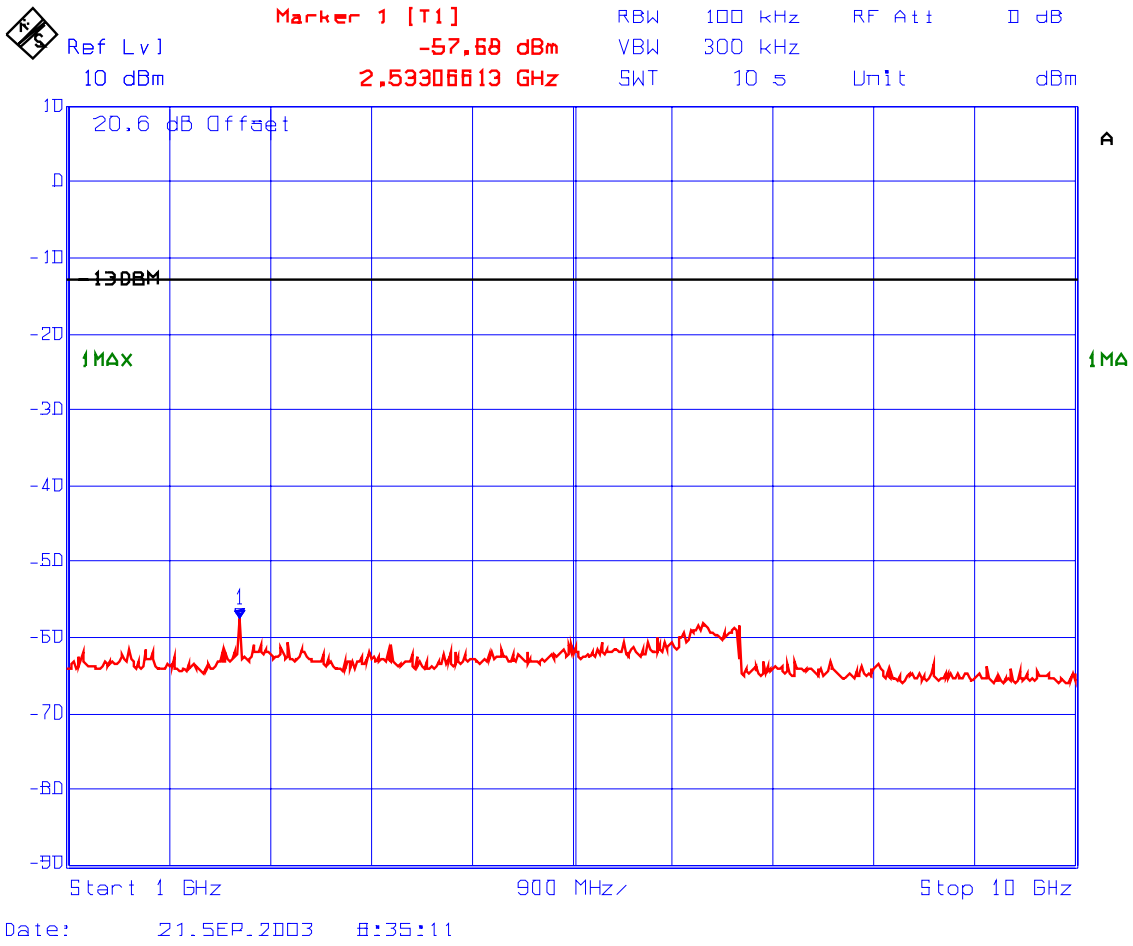
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 262 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: FM modulation with an external 9600 b/s random data source
Fc: 849 MHz



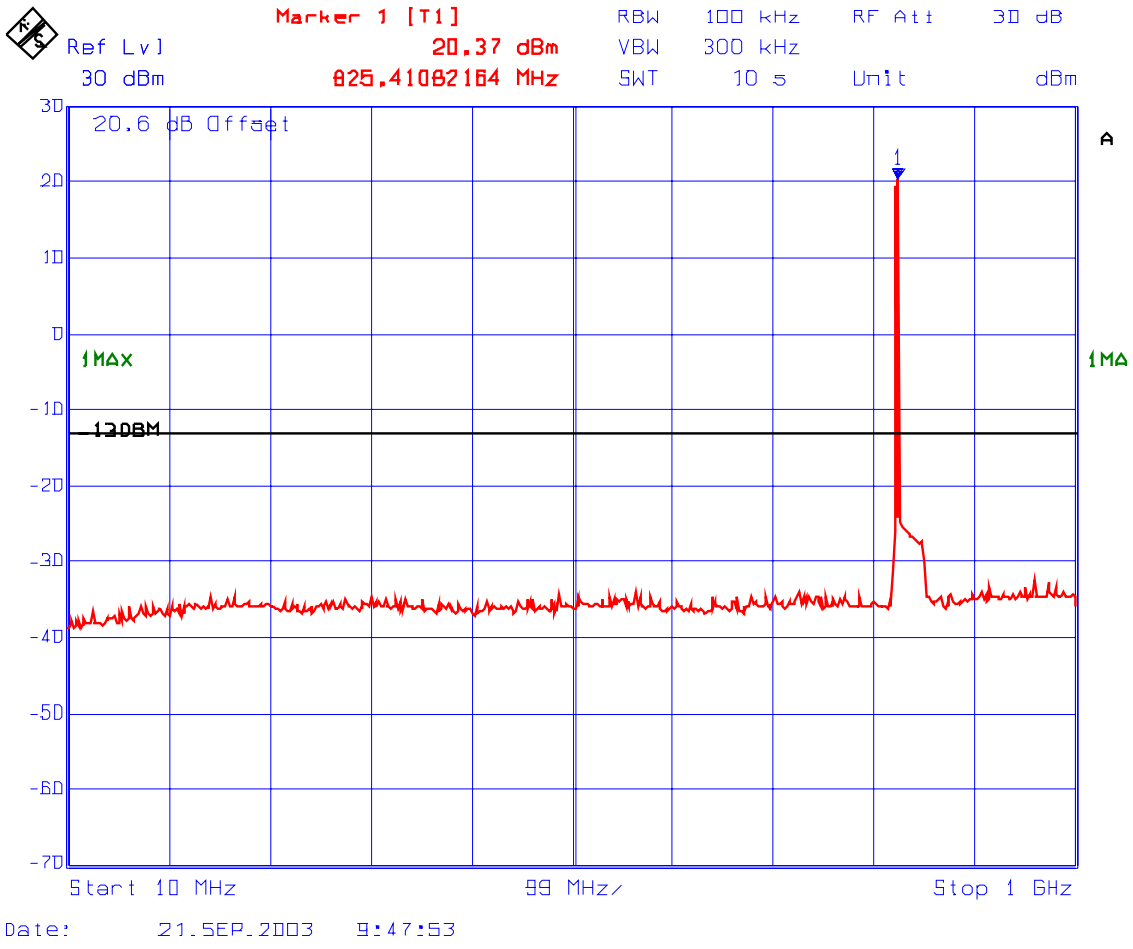
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 263 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: FM modulation with an external 9600 b/s random data source
Fc: 849 MHz



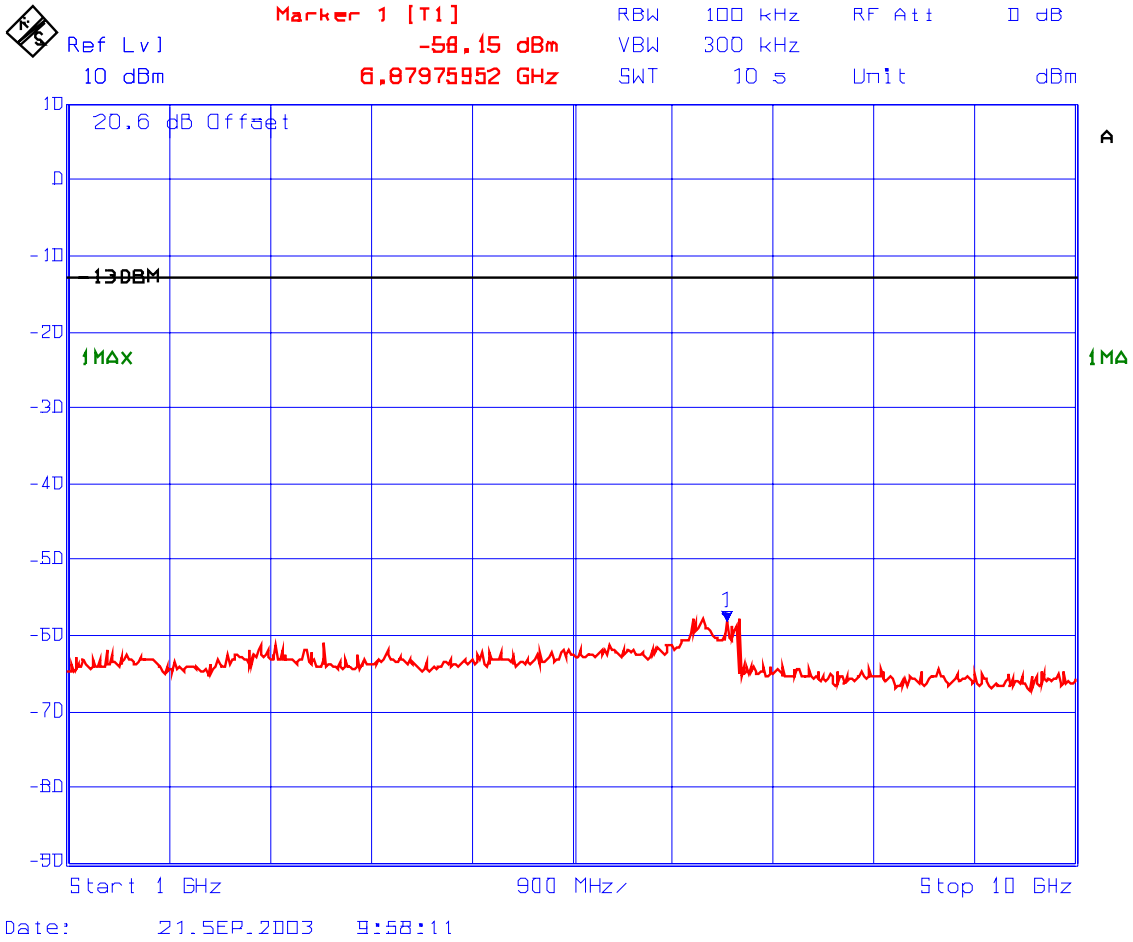
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 264 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: CDMA
Fc: 824 MHz



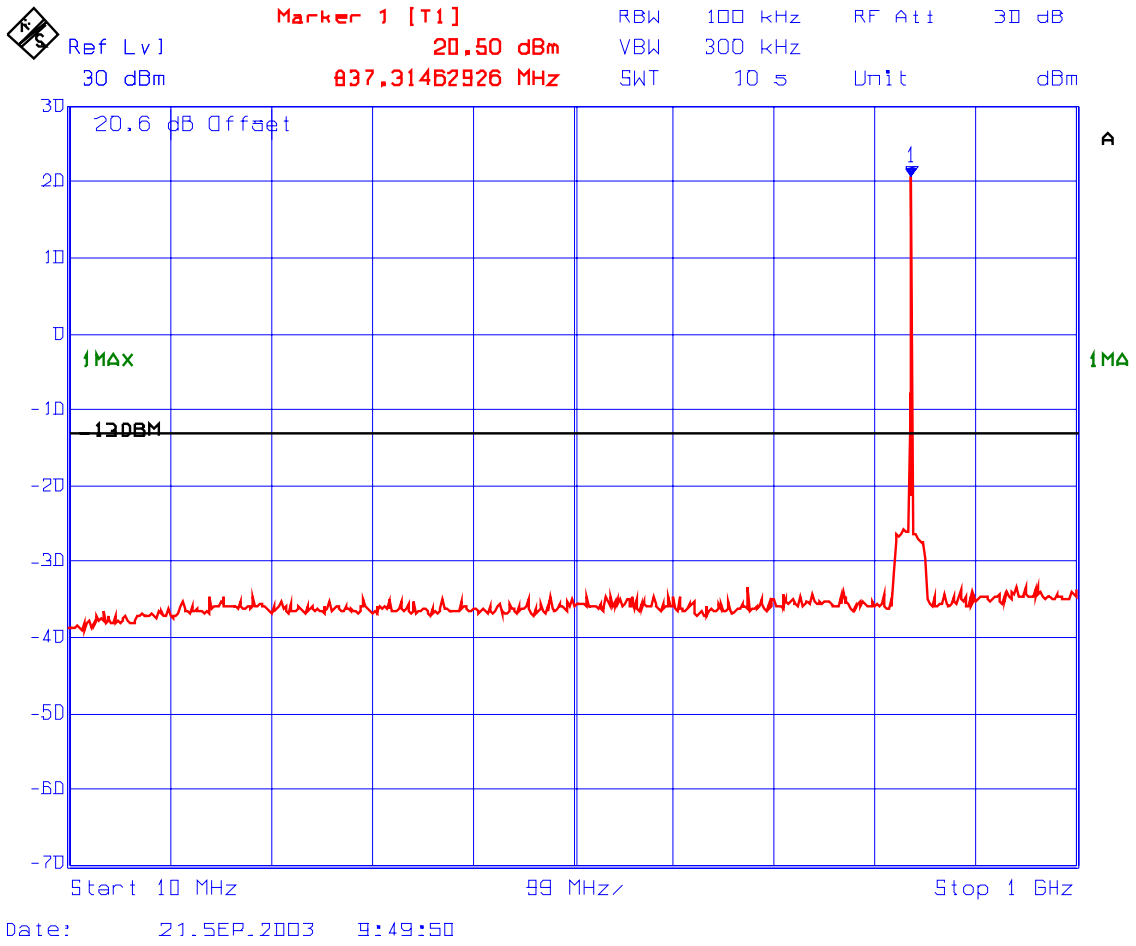
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 265 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: CDMA
Fc: 824 MHz



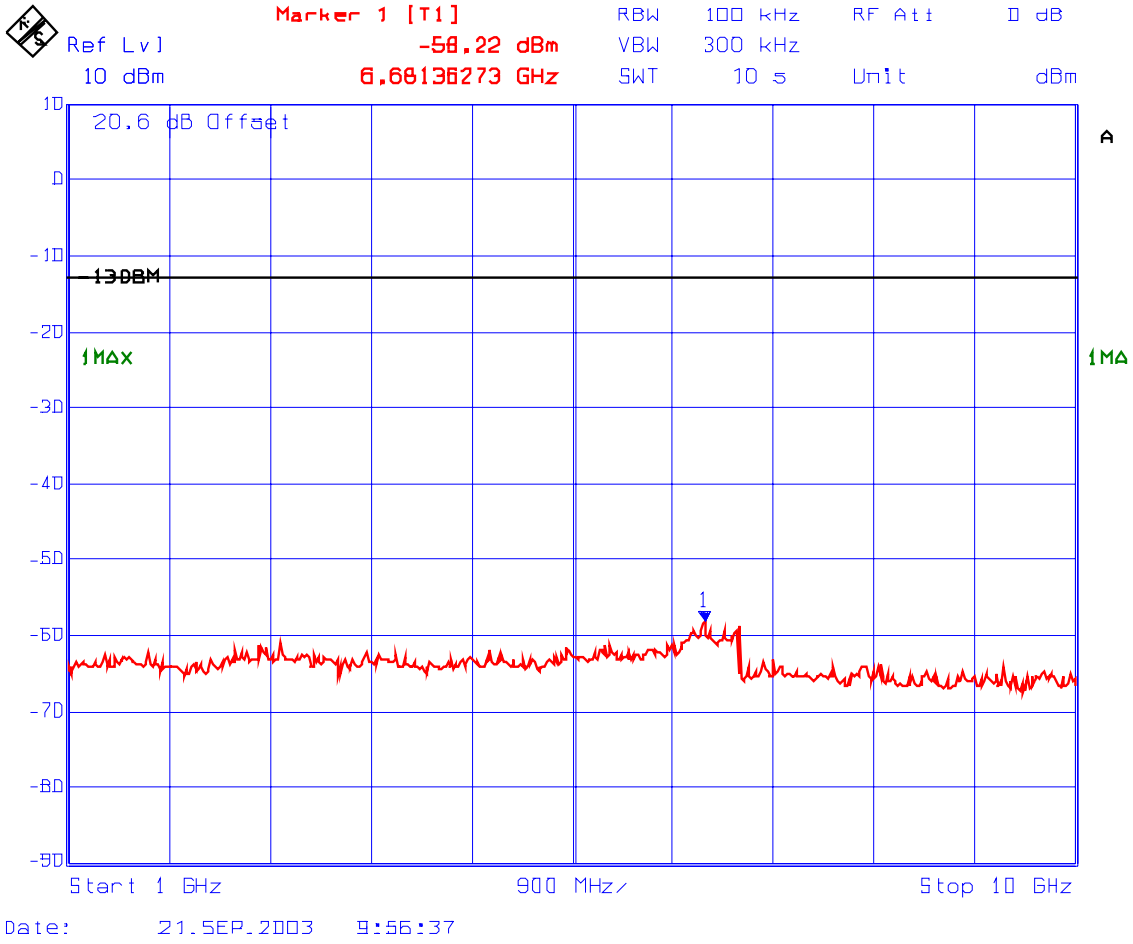
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 266 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: CDMA
Fc: 836.5 MHz



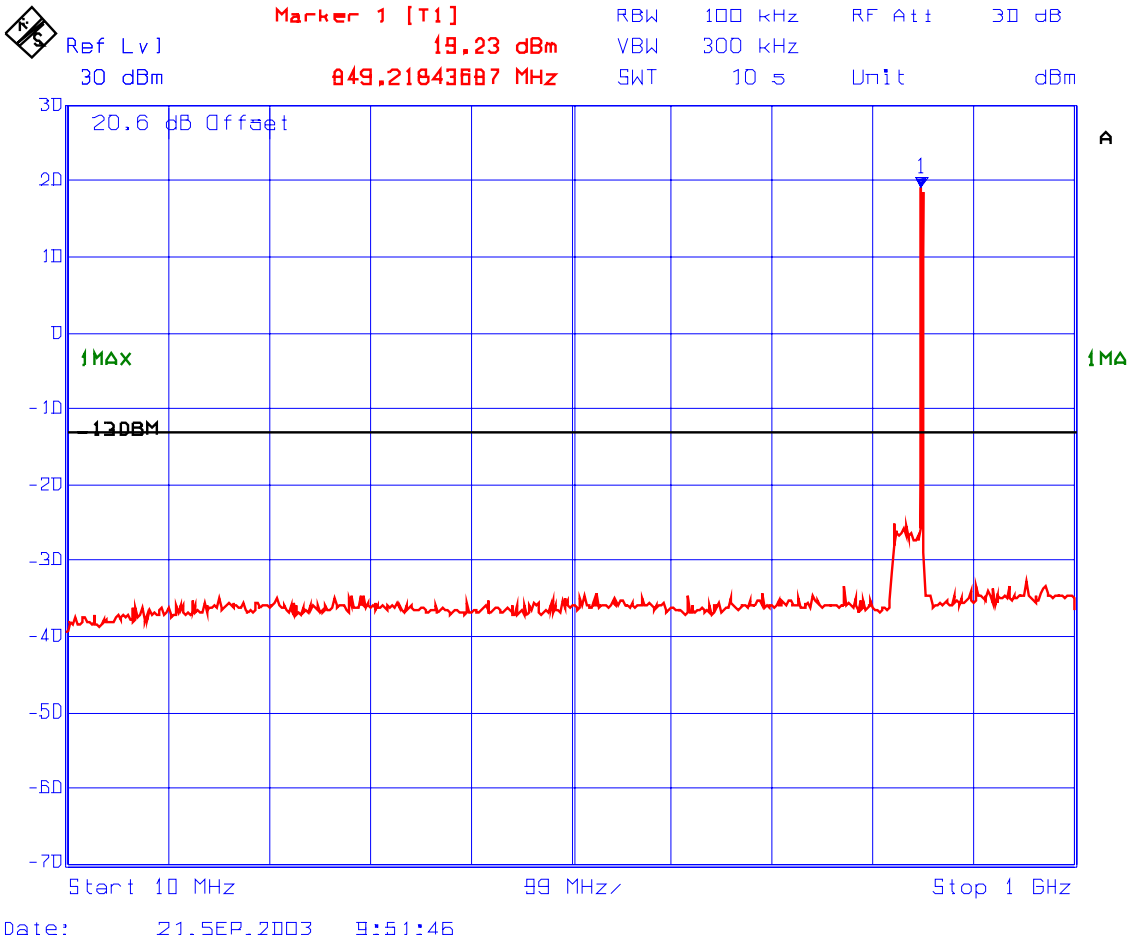
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 267 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: CDMA
Fc: 836.5 MHz



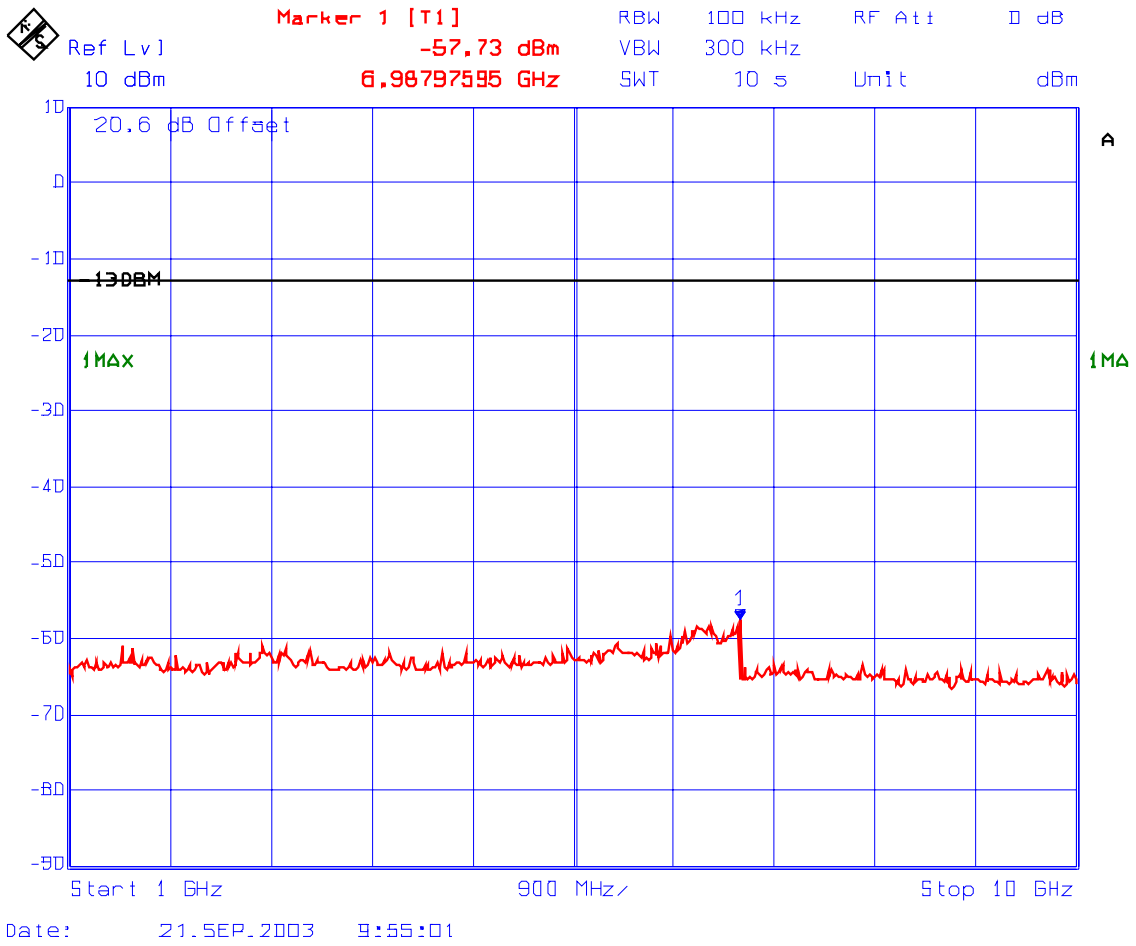
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 268 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: CDMA
Fc: 849 MHz



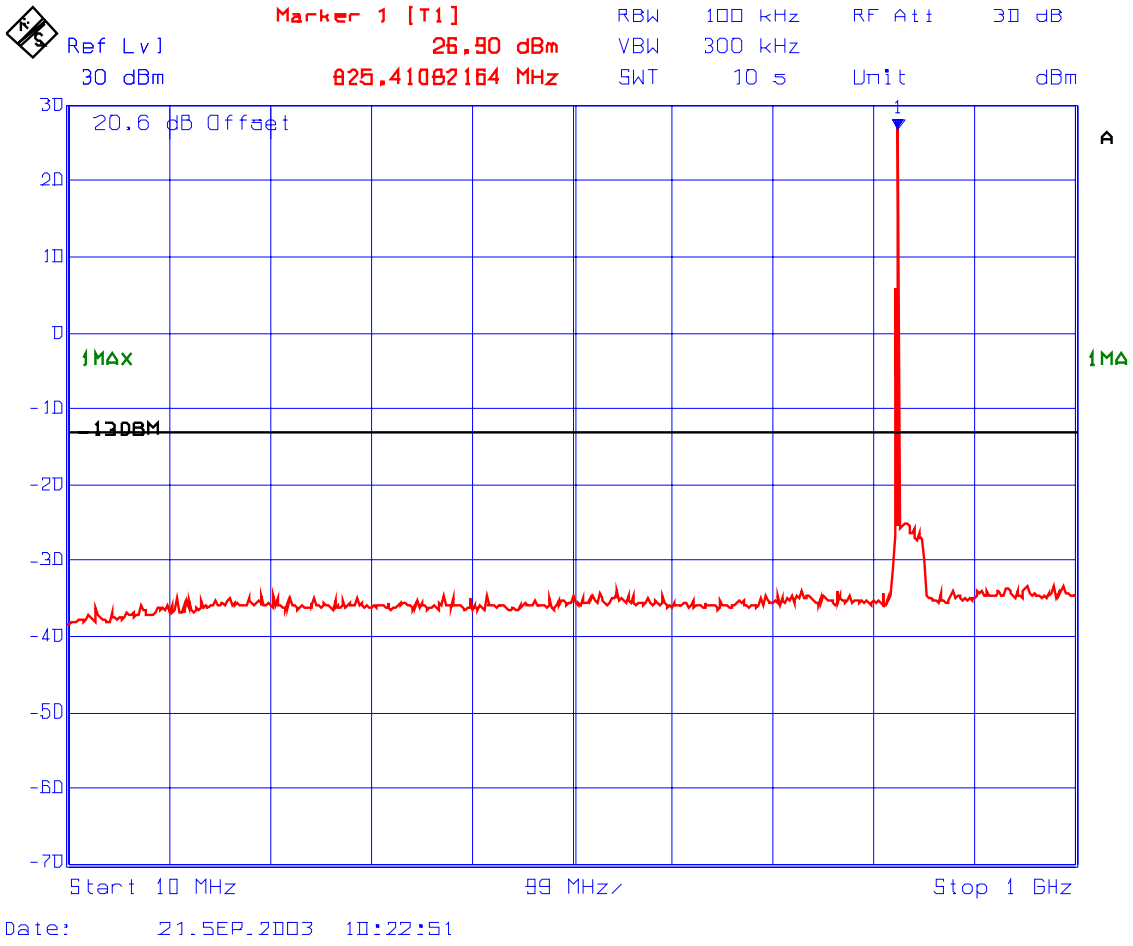
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 269 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: CDMA
Fc: 849 MHz



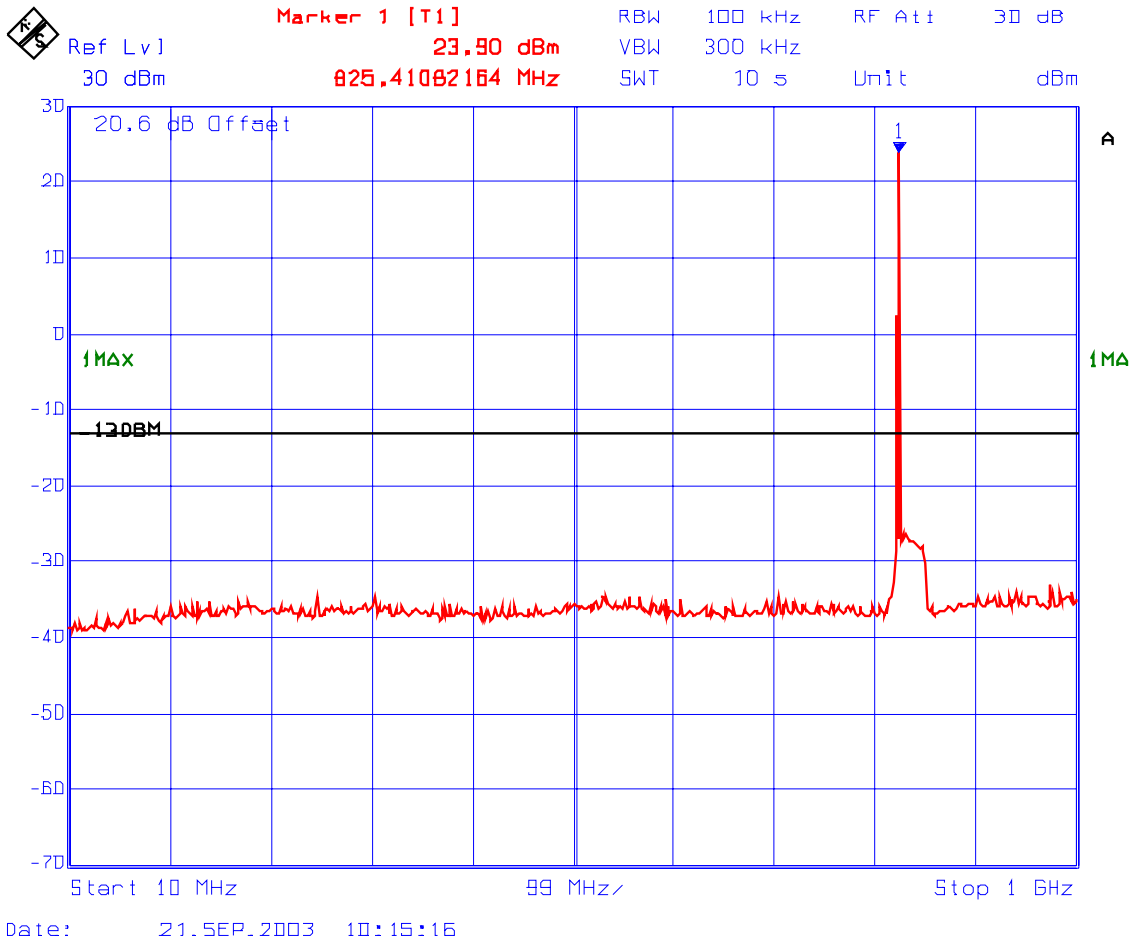
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 270 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: TDMA
Fc: 824 MHz



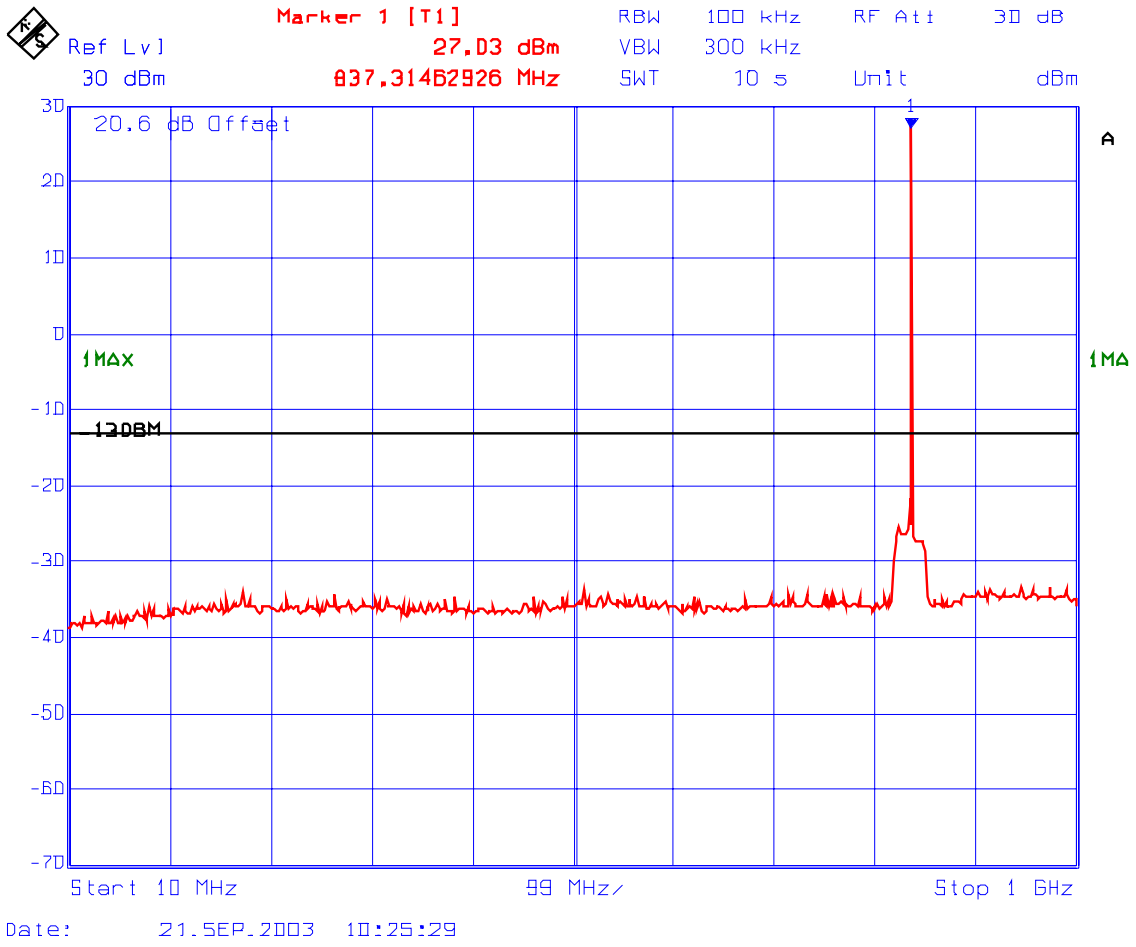
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 271 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: TDMA
Fc: 824 MHz



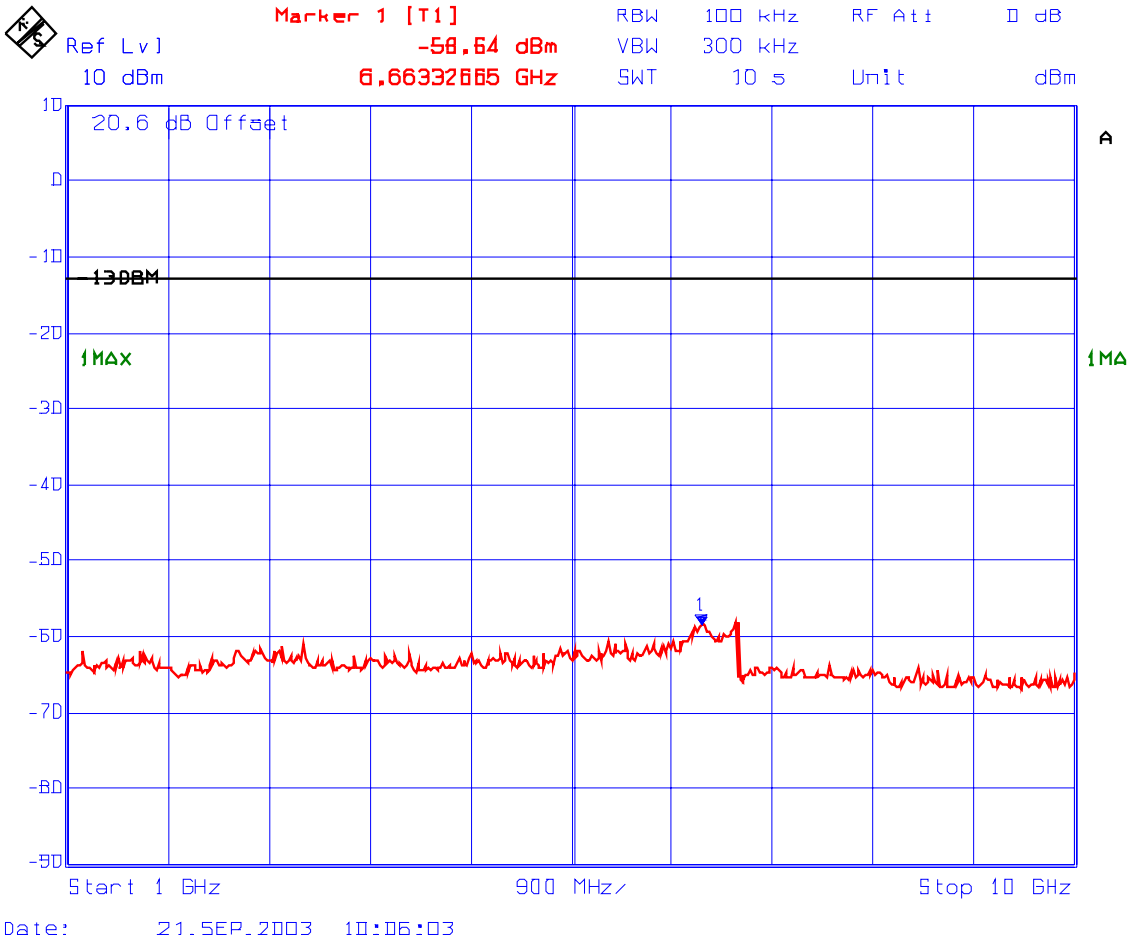
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 272 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: TDMA
Fc: 836.5 MHz



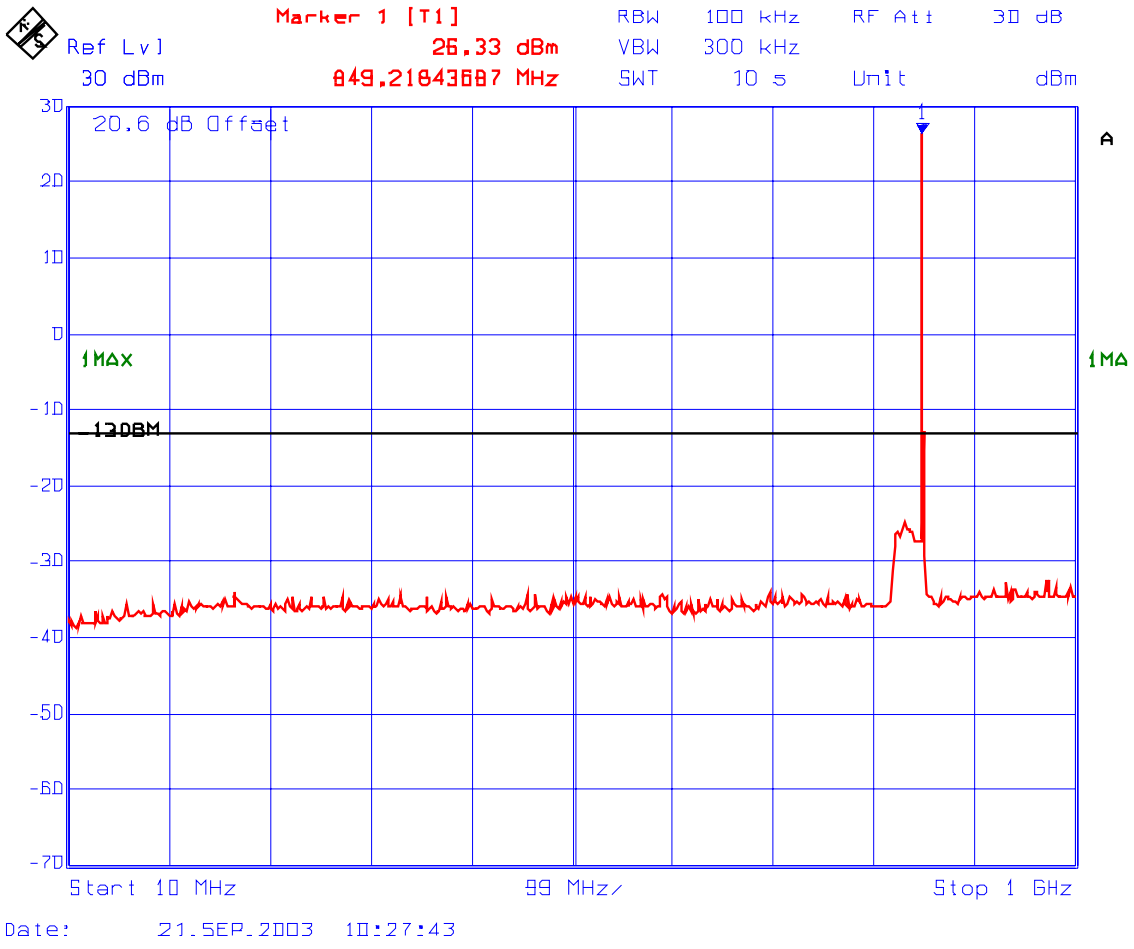
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 273 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: TDMA
Fc: 836.5 MHz



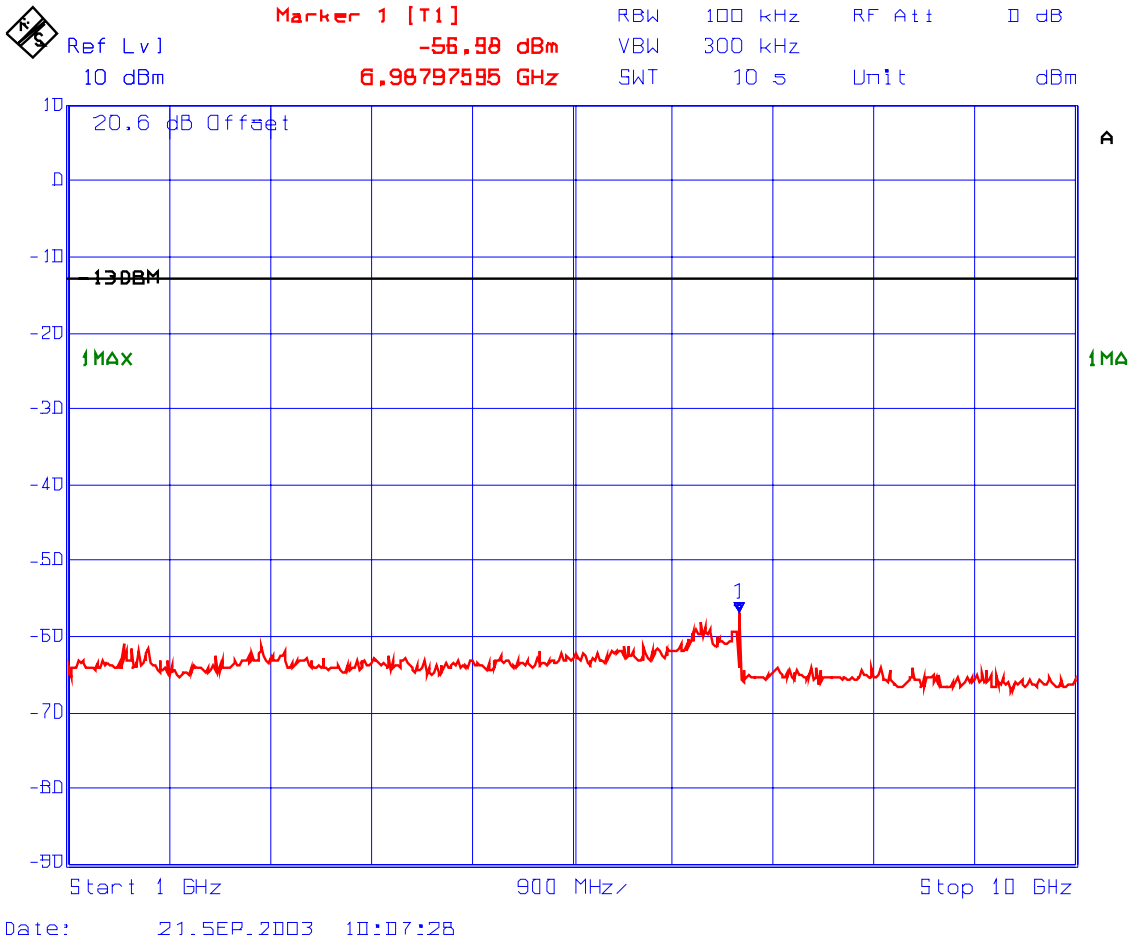
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 274 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: TDMA
Fc: 849 MHz



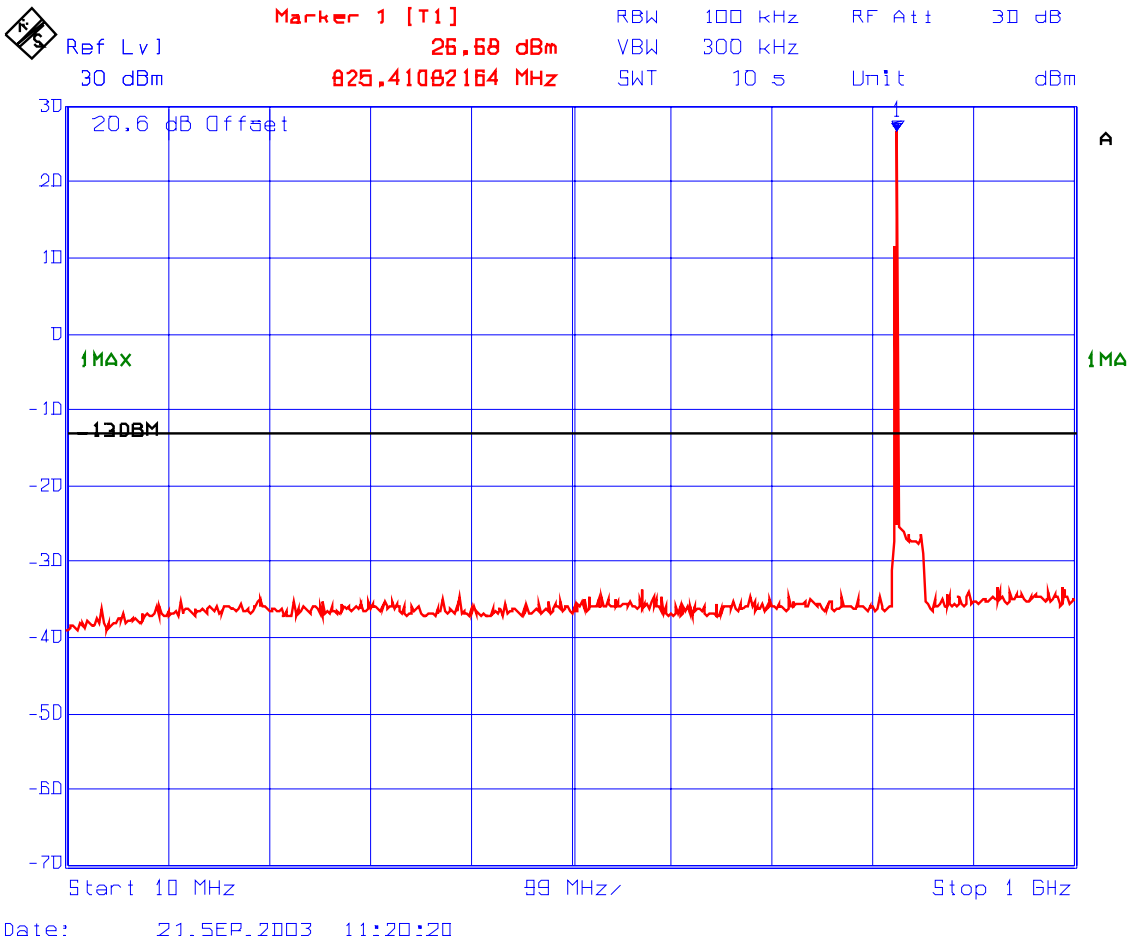
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 275 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: TDMA
Fc: 849 MHz



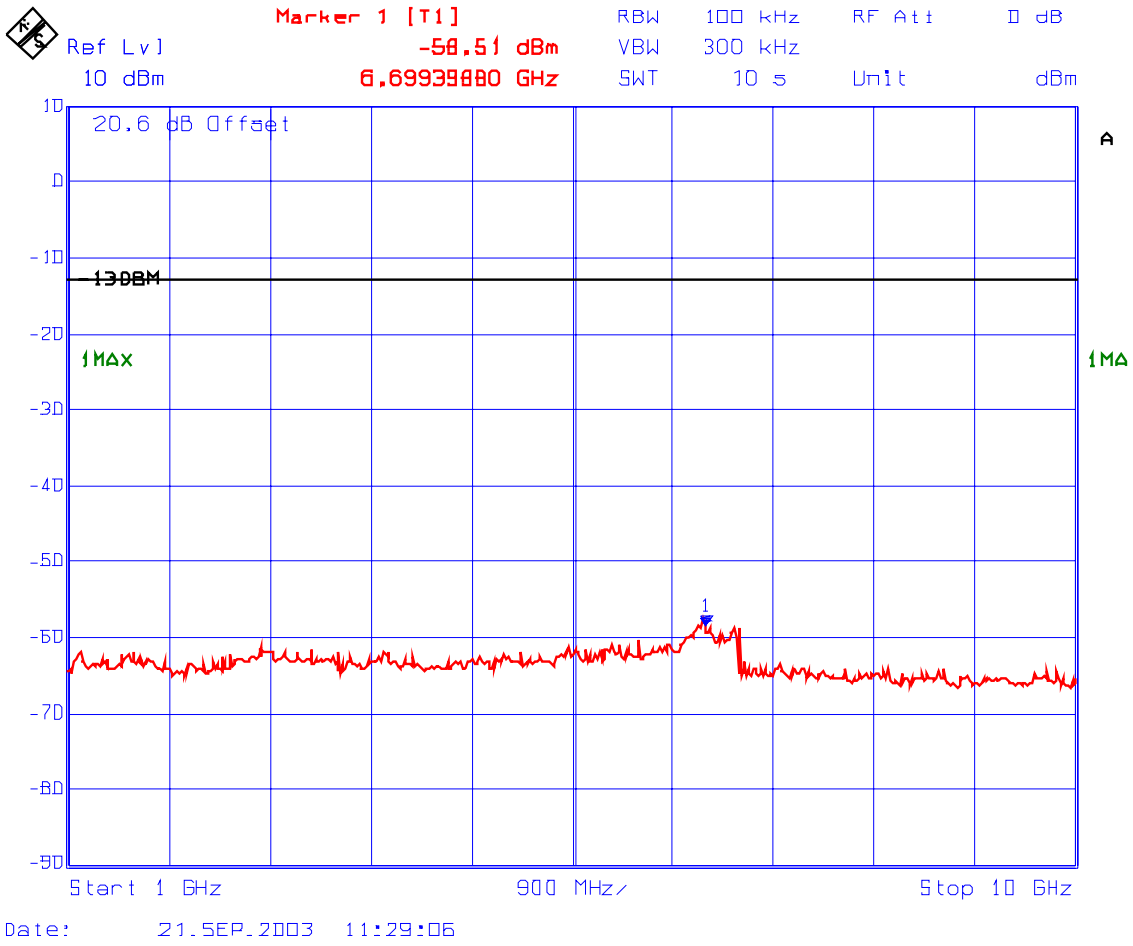
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 276 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: GSM
Fc: 824 MHz



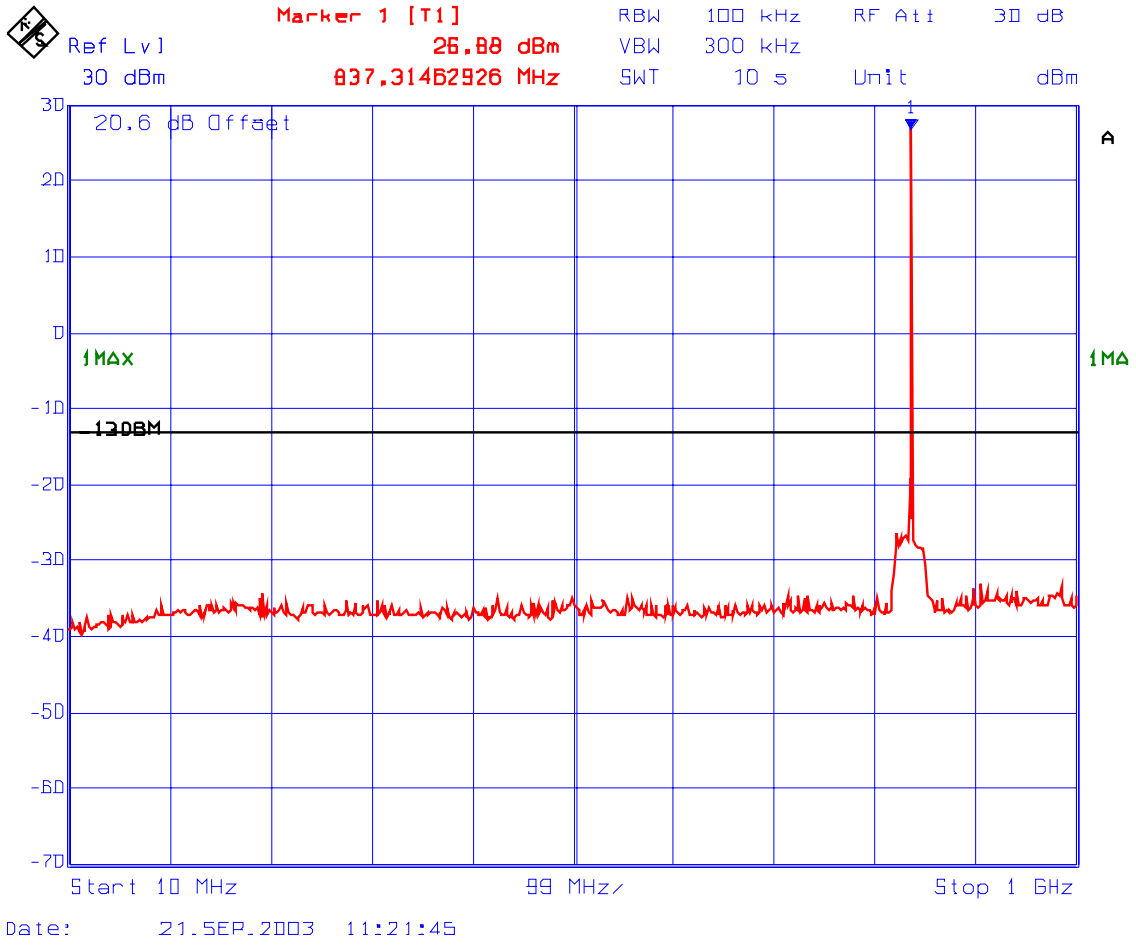
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 277 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: GSM
Fc: 824 MHz



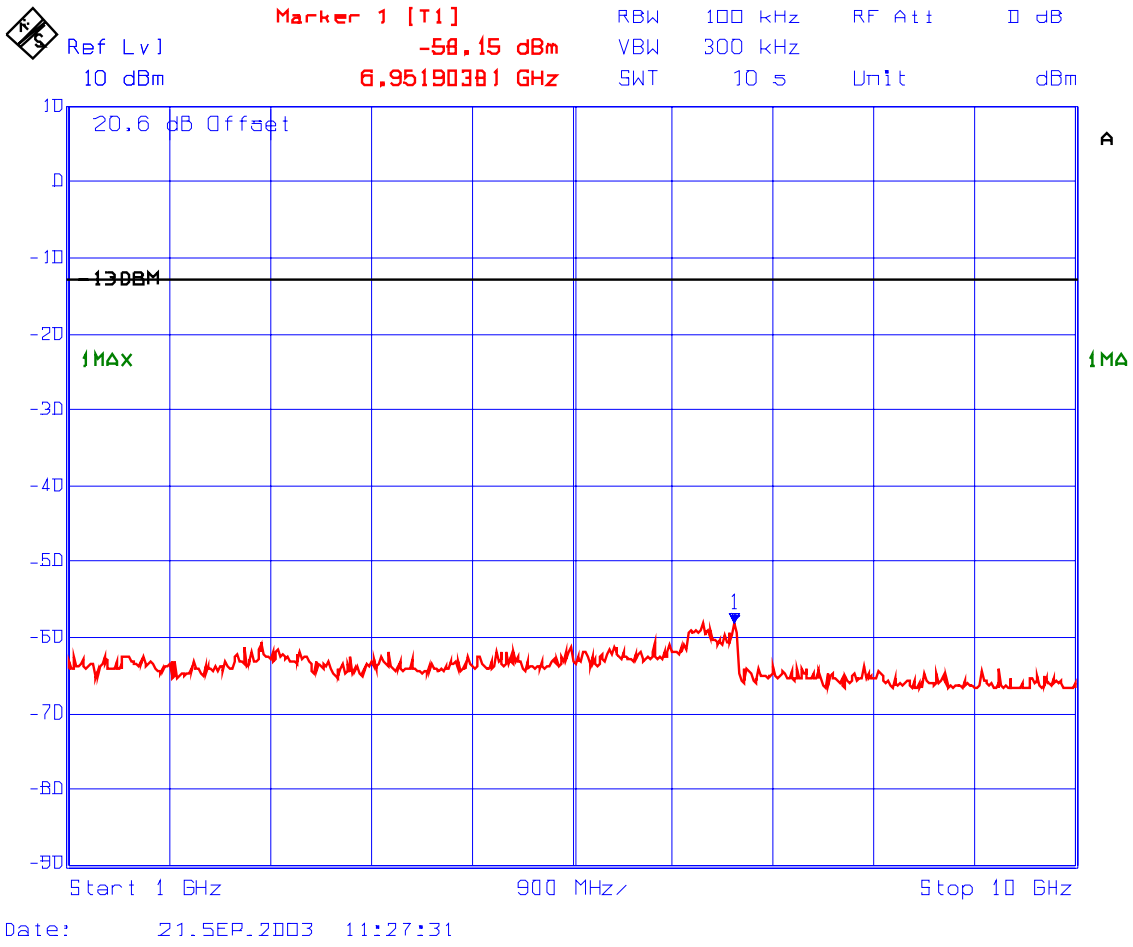
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 278 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: GSM
Fc: 836.5 MHz



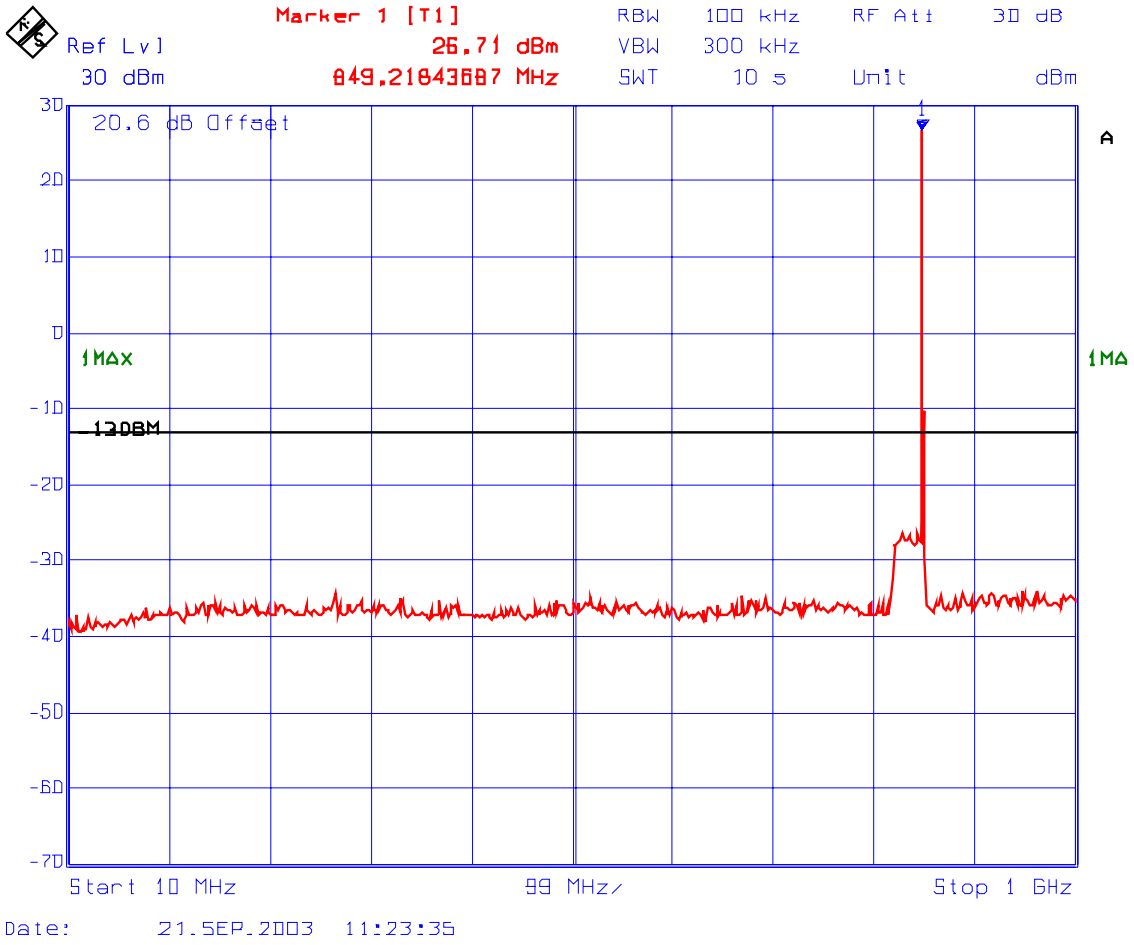
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 279 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: GSM
Fc: 836.5 MHz



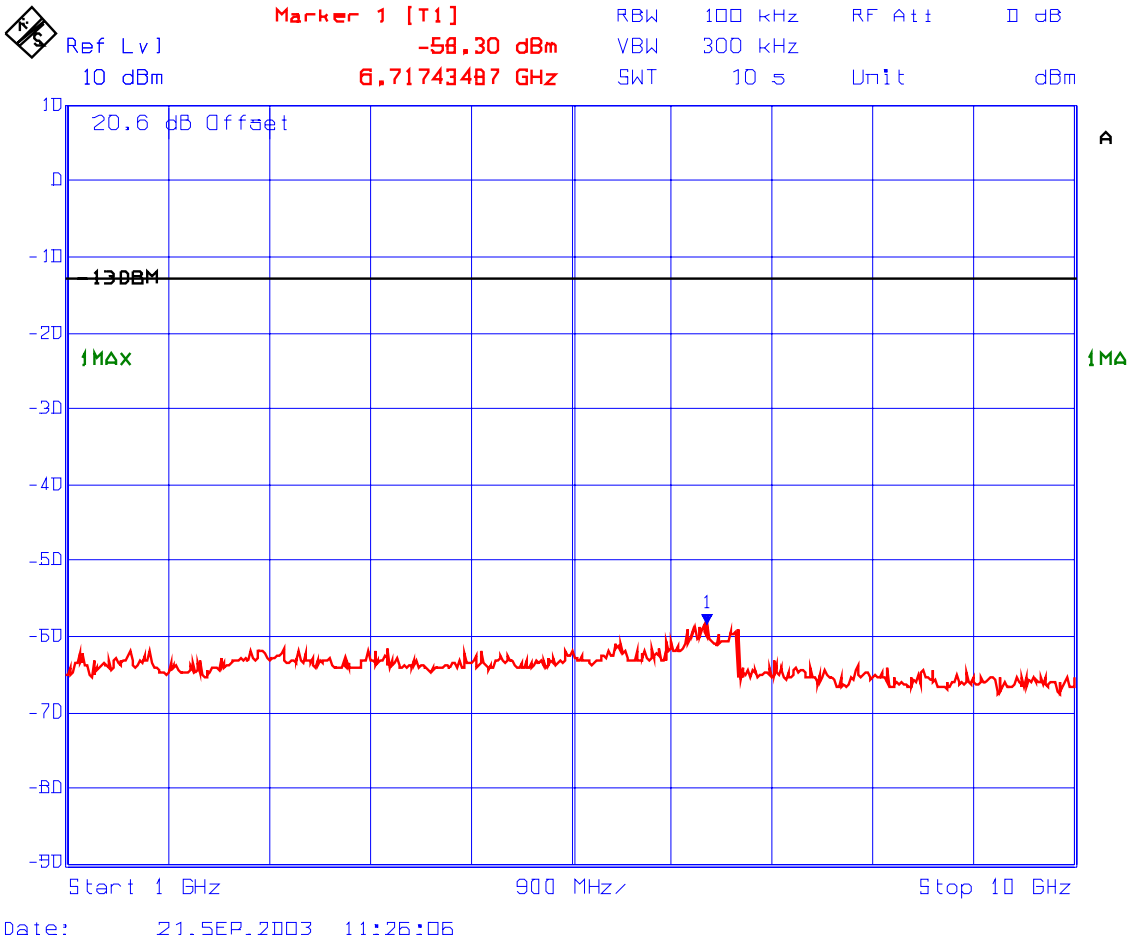
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 280 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: GSM
Fc: 849 MHz



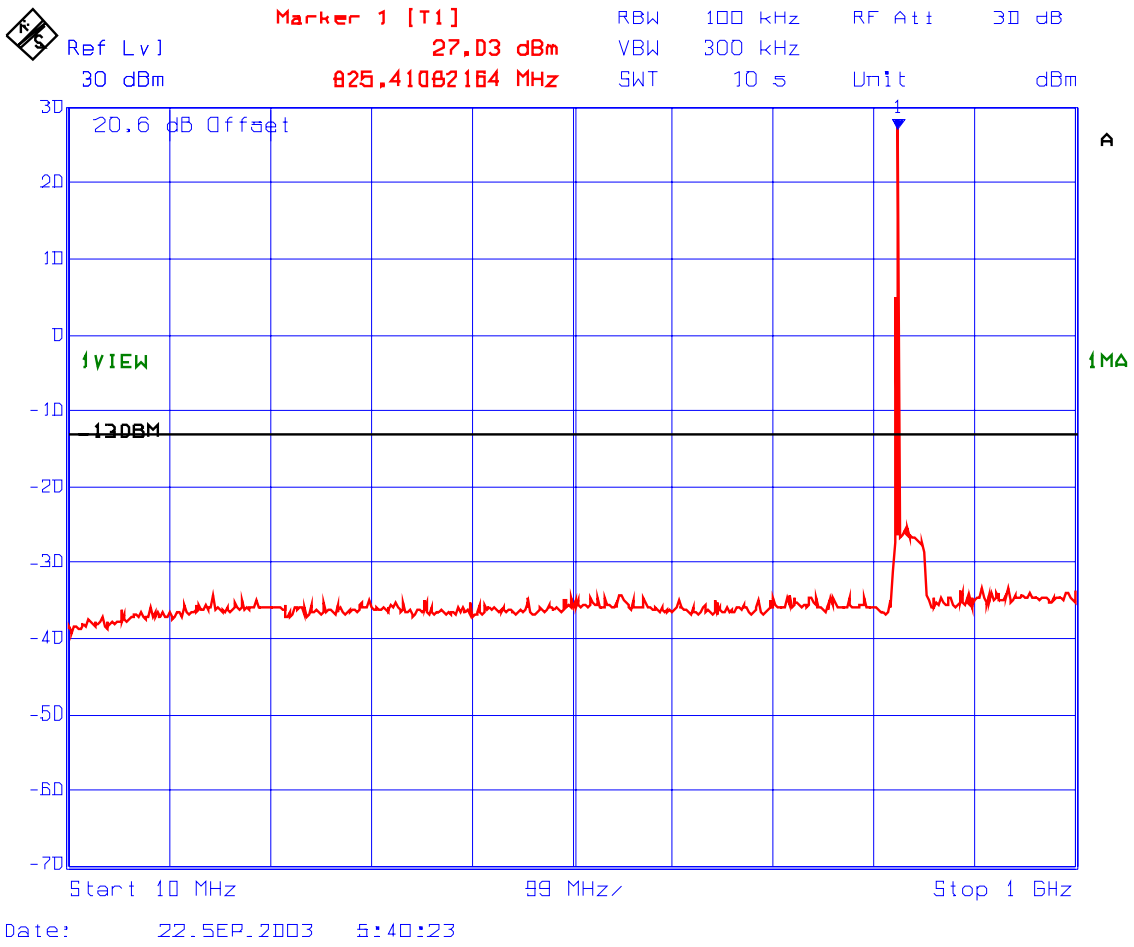
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 281 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: GSM
Fc: 849 MHz



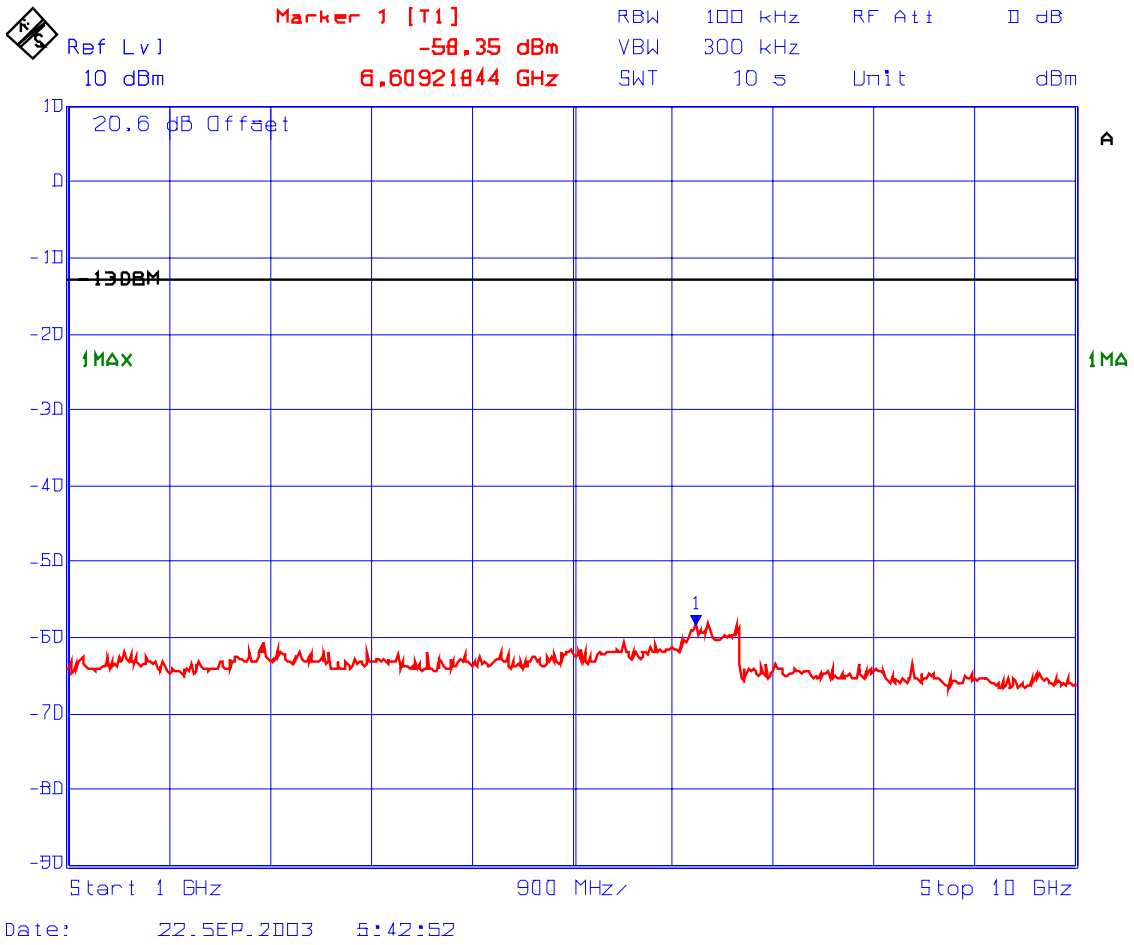
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 282 Spurious Emissions Conducted with 2 RF signal inputs/outputs Fc: 824 MHz, Fc + 30 kHz



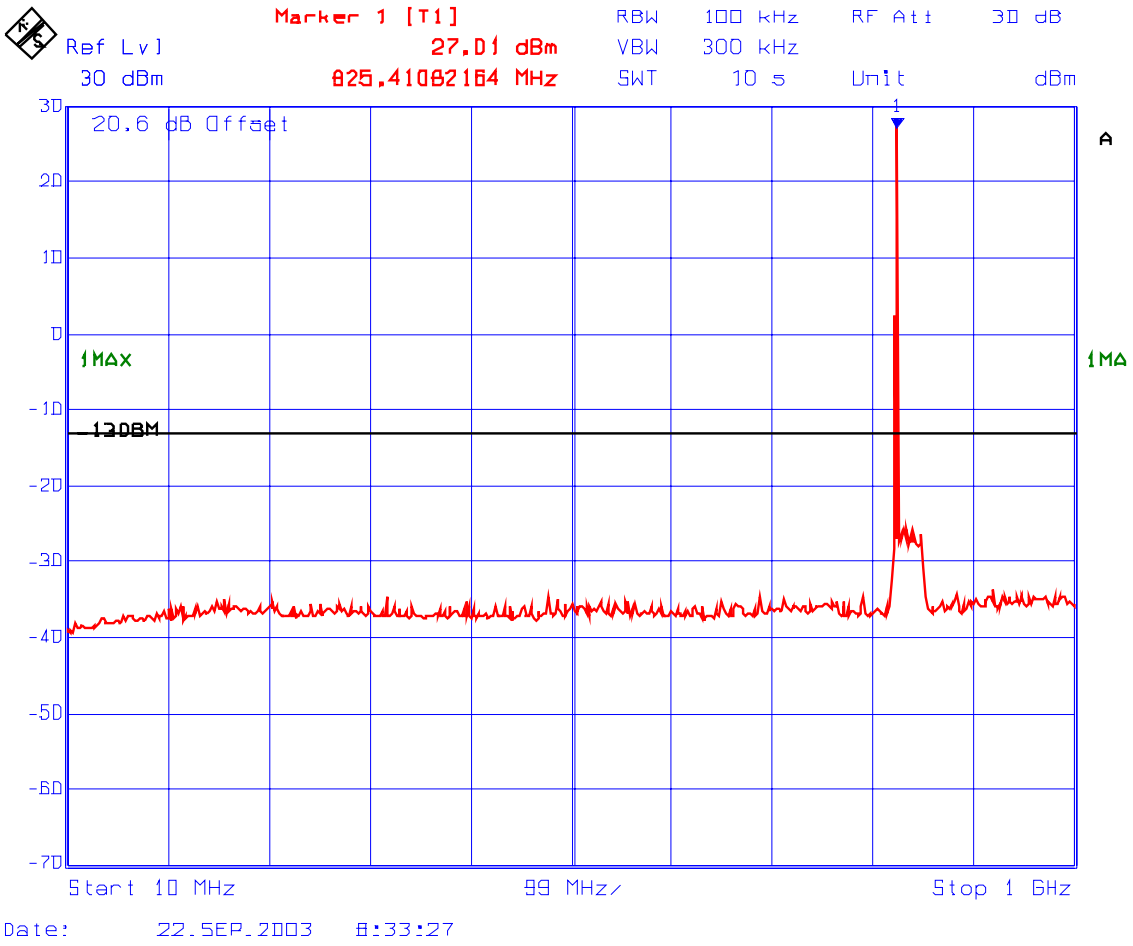
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 283 Spurious Emissions Conducted with 2 RF signal inputs/outputs Fc: 824 MHz, Fc + 30 kHz



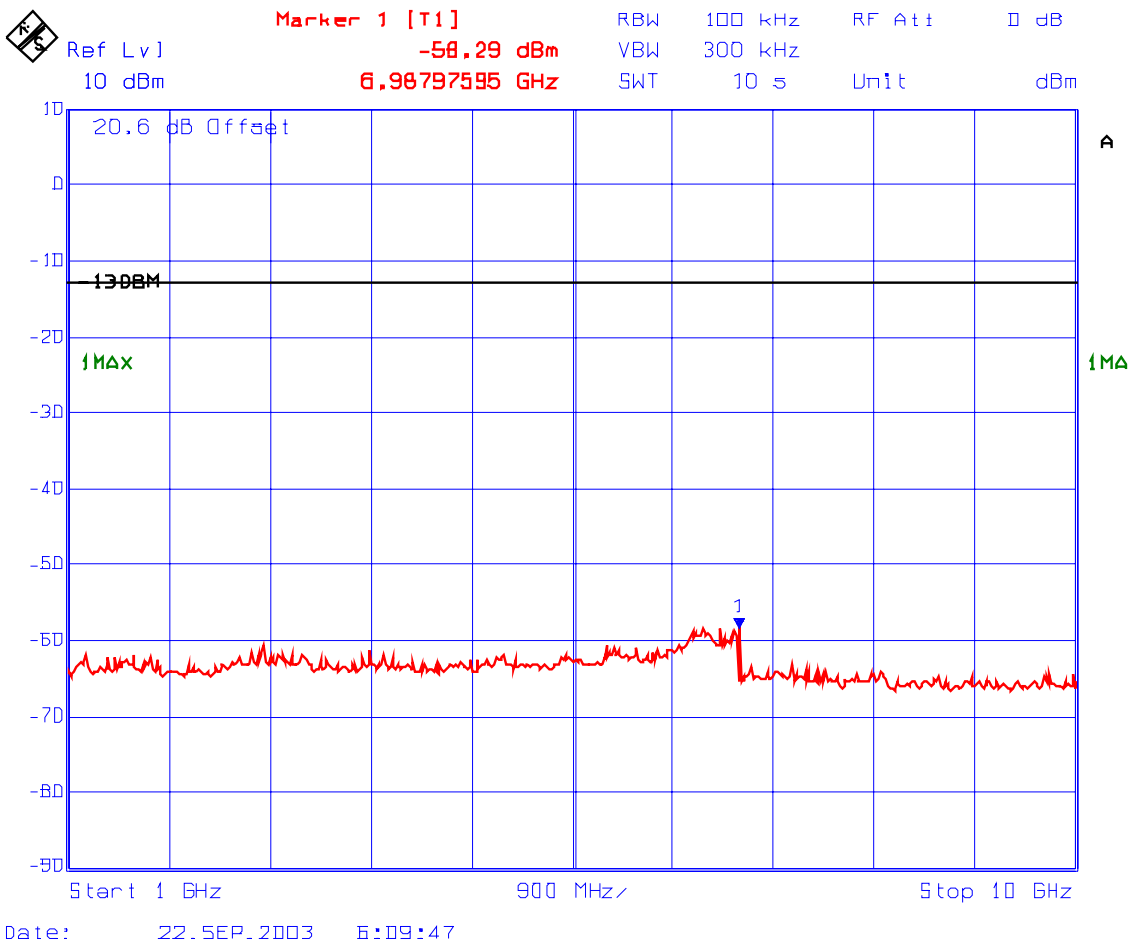
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 284 Spurious Emissions Conducted with 3 RF signal inputs/outputs Fc: 824 MHz, Fc + 30 kHz, Fc + 60 kHz



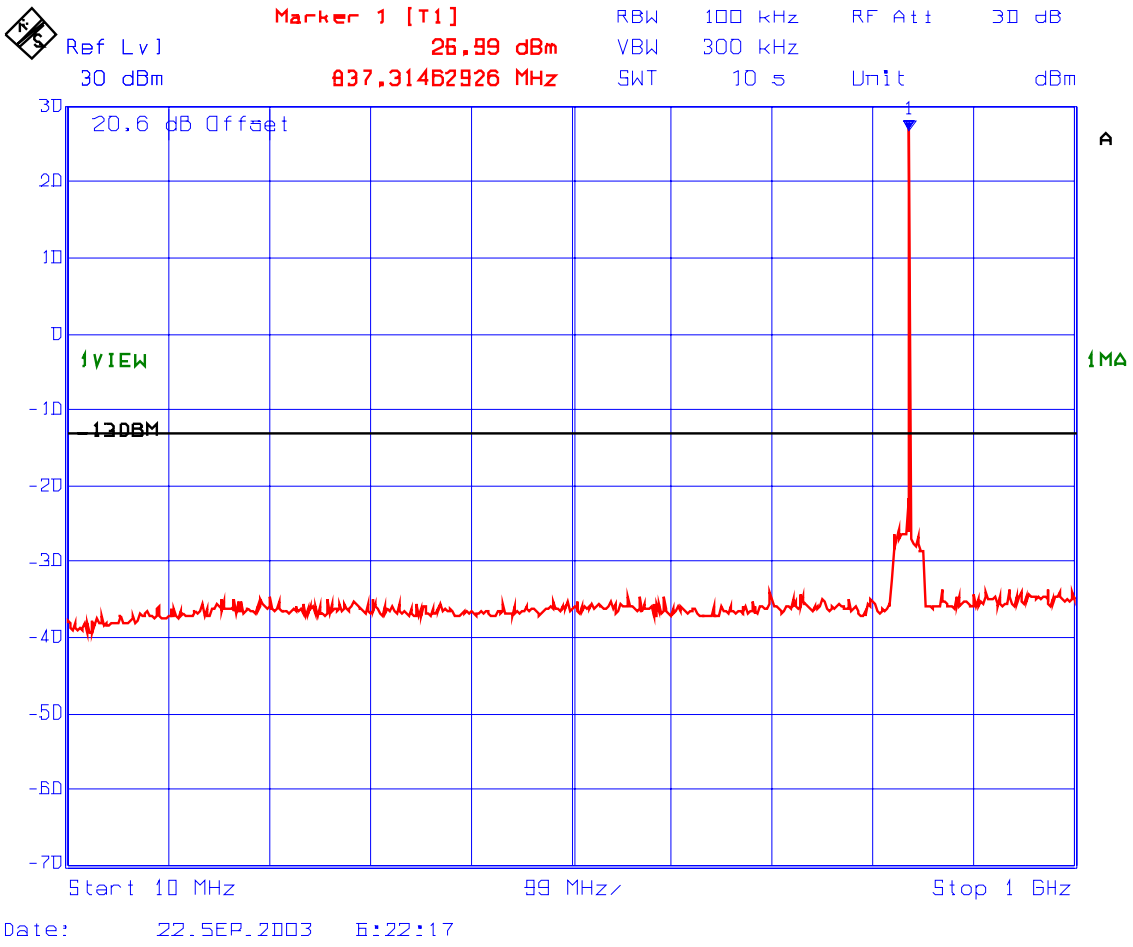
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 285 Spurious Emissions Conducted with 3 RF signal inputs/outputs Fc: 824 MHz, Fc + 30 kHz, Fc + 60 kHz



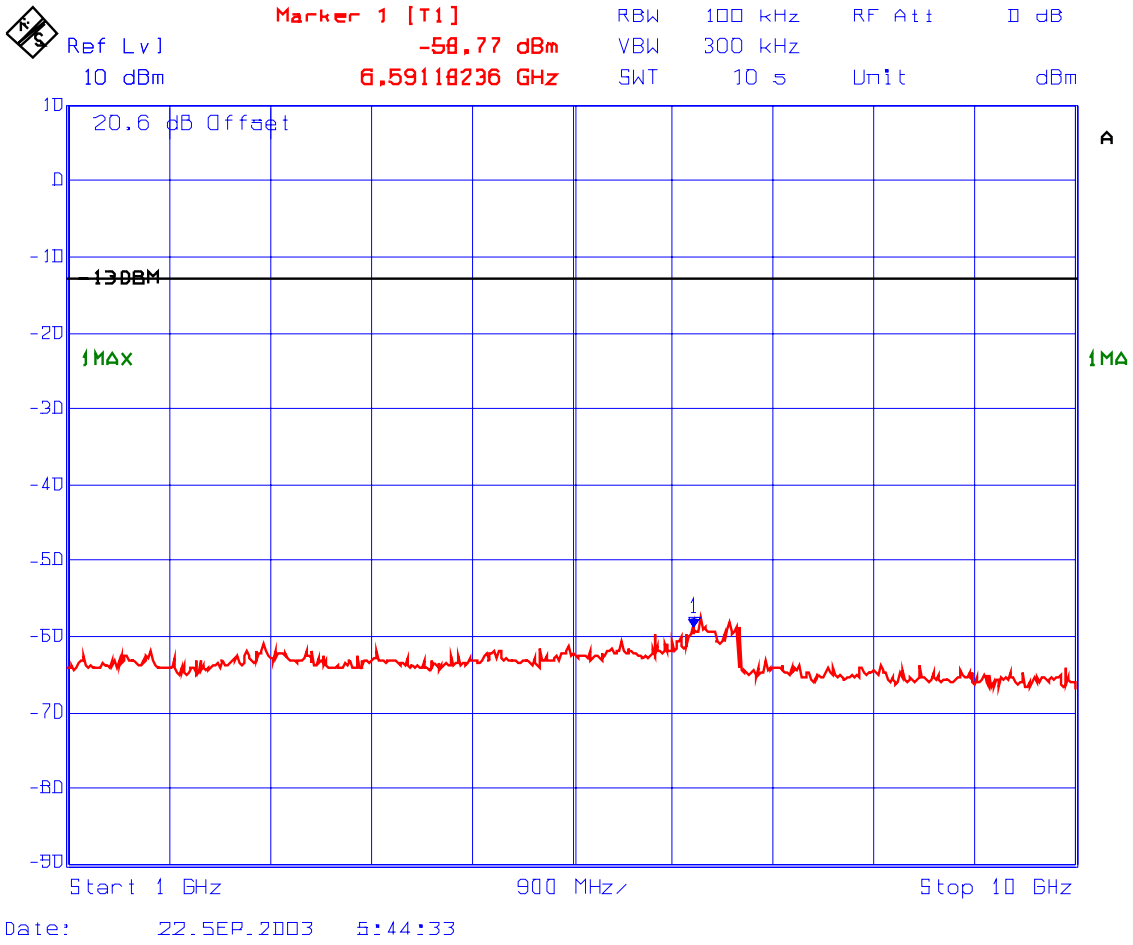
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 286 Spurious Emissions Conducted with 2 RF signal inputs/outputs Fc: 836.5 MHz, Fc + 30 kHz



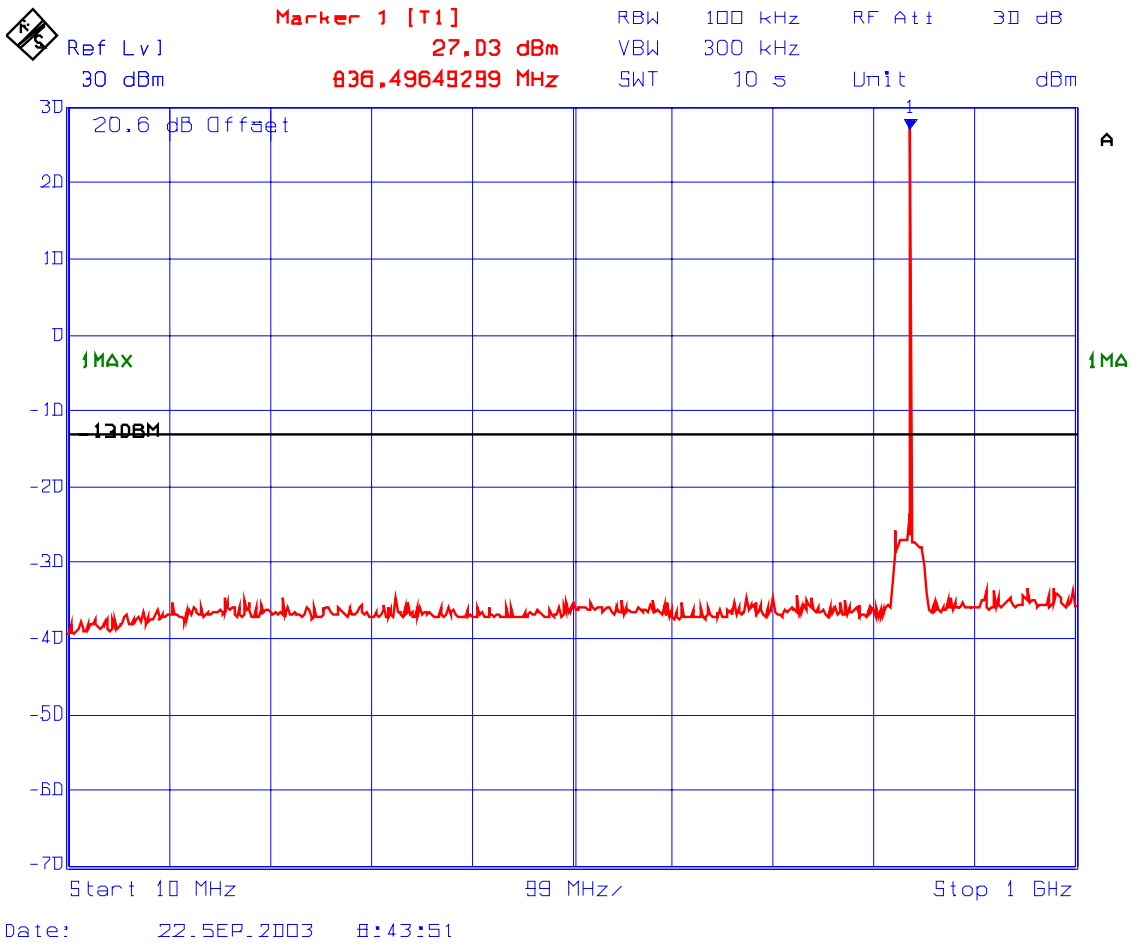
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 287 Spurious Emissions Conducted with 2 RF signal inputs/outputs Fc: 836.5 MHz, Fc + 30 kHz



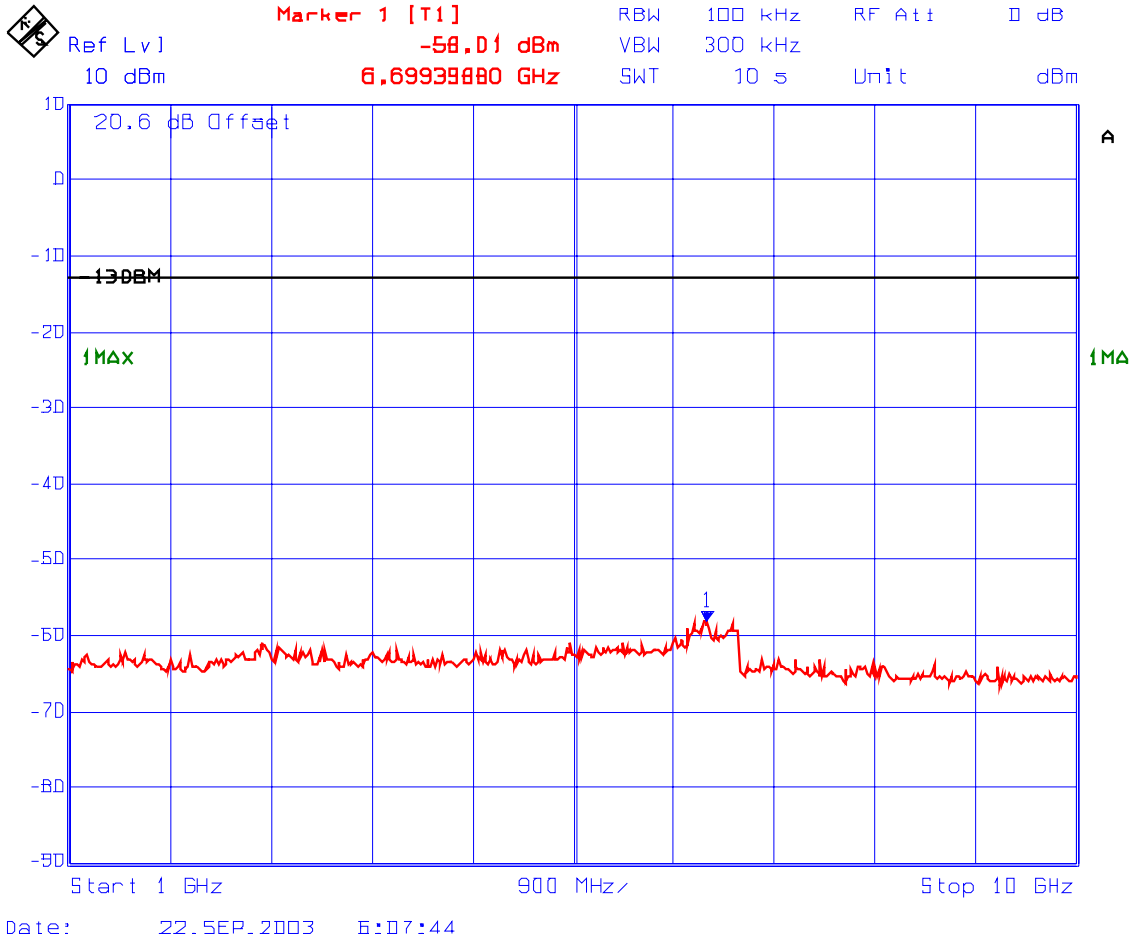
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 288 Spurious Emissions Conducted with 3 RF signal inputs/outputs Fc: 836.5 MHz, Fc - 30 kHz, Fc + 30 kHz



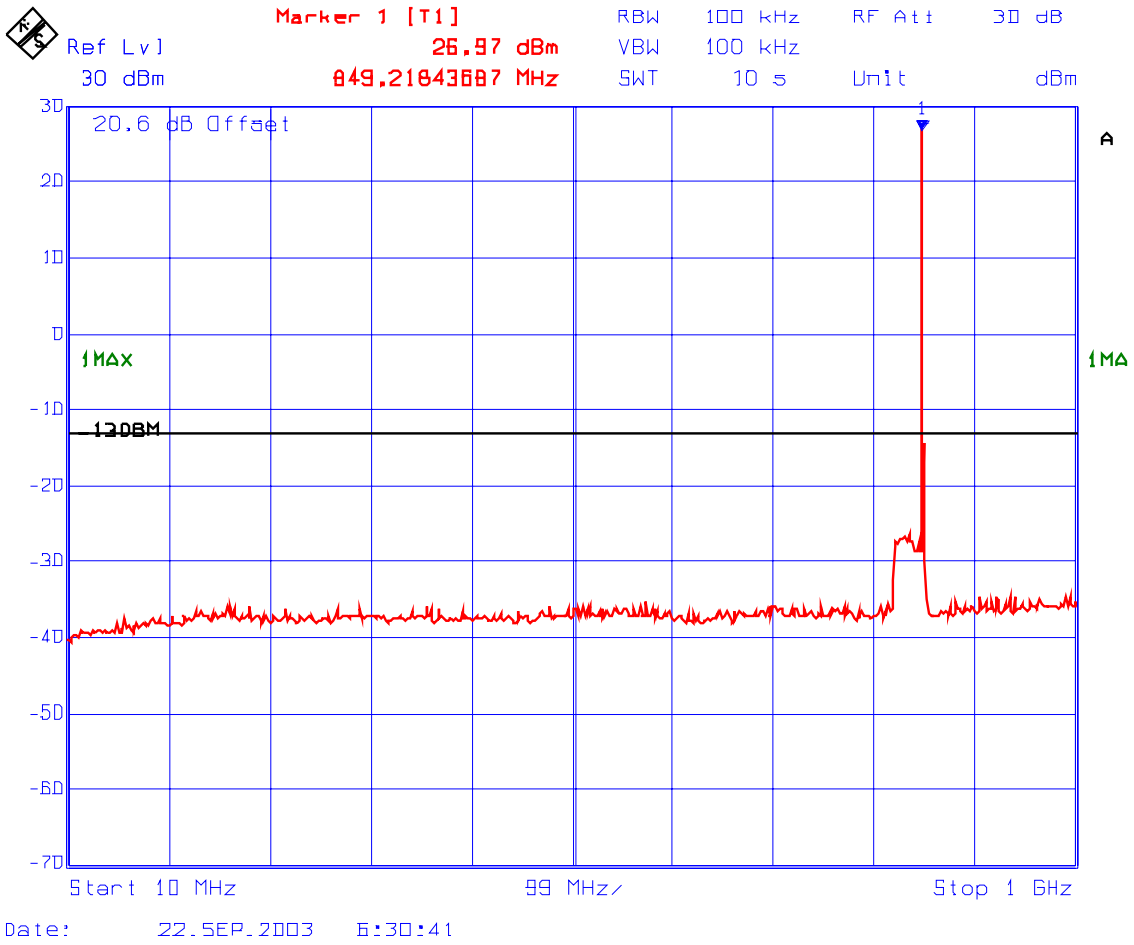
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 289 Spurious Emissions Conducted with 3 RF signal inputs/outputs Fc: 836.5 MHz, Fc - 30 kHz, Fc + 30 kHz



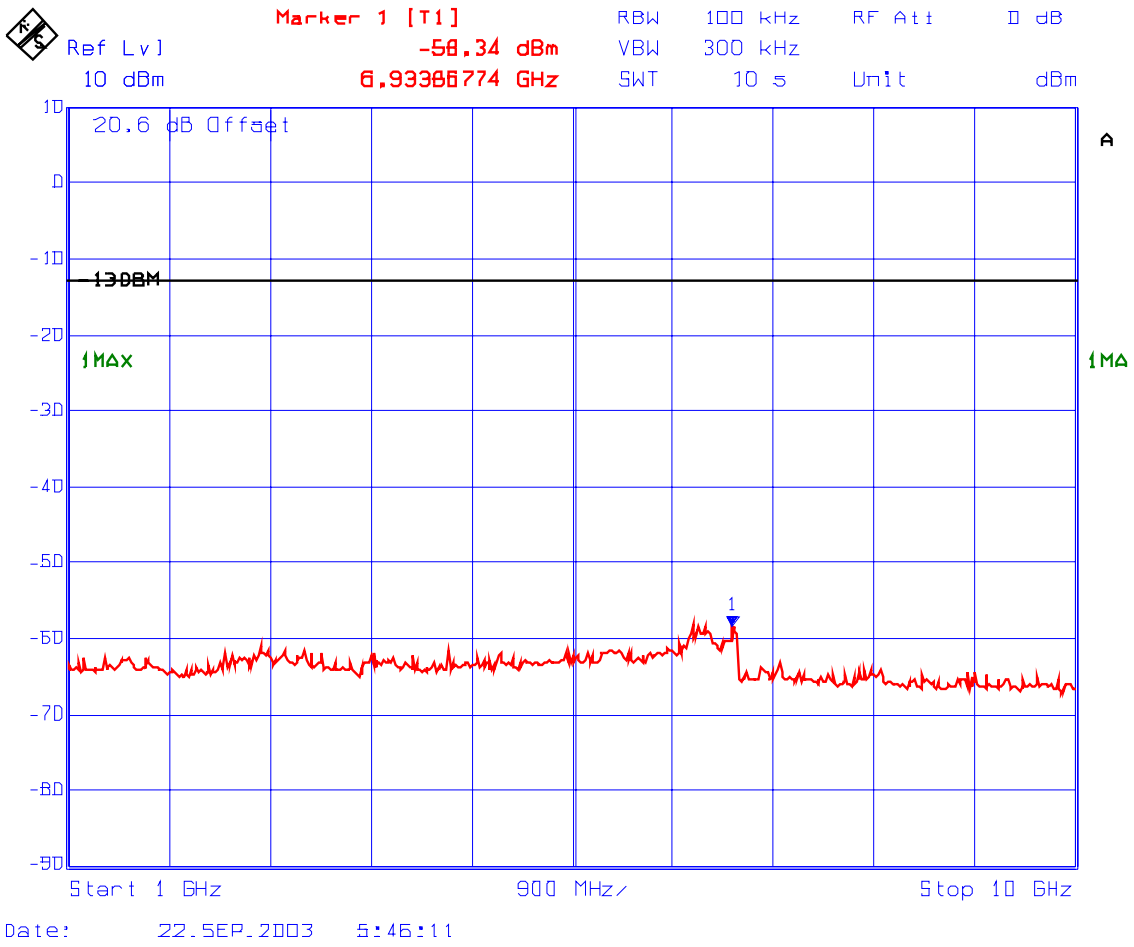
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 290 Spurious Emissions Conducted with 2 RF signal inputs/outputs Fc: 849 MHz, Fc - 30 kHz



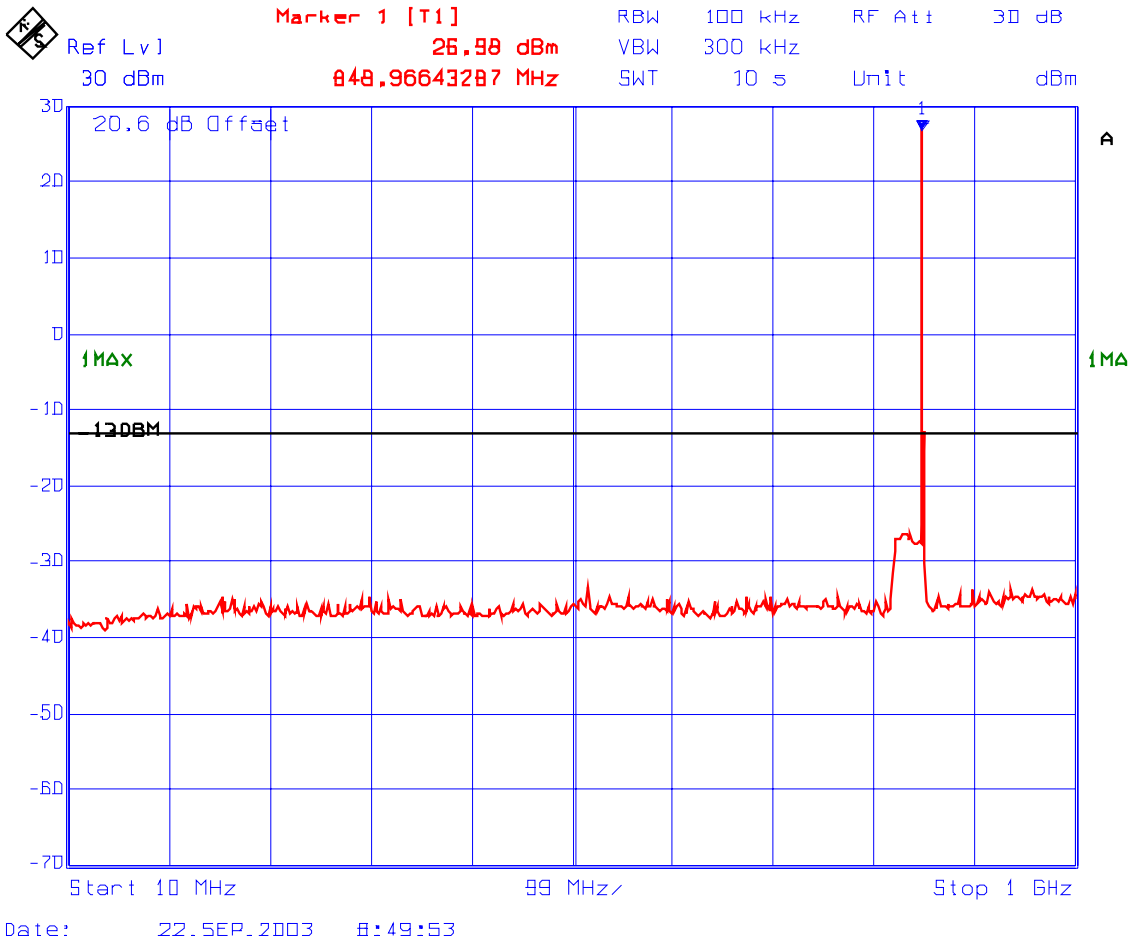
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 291 Spurious Emissions Conducted with 2 RF signal inputs/outputs Fc: 849 MHz, Fc - 30 kHz



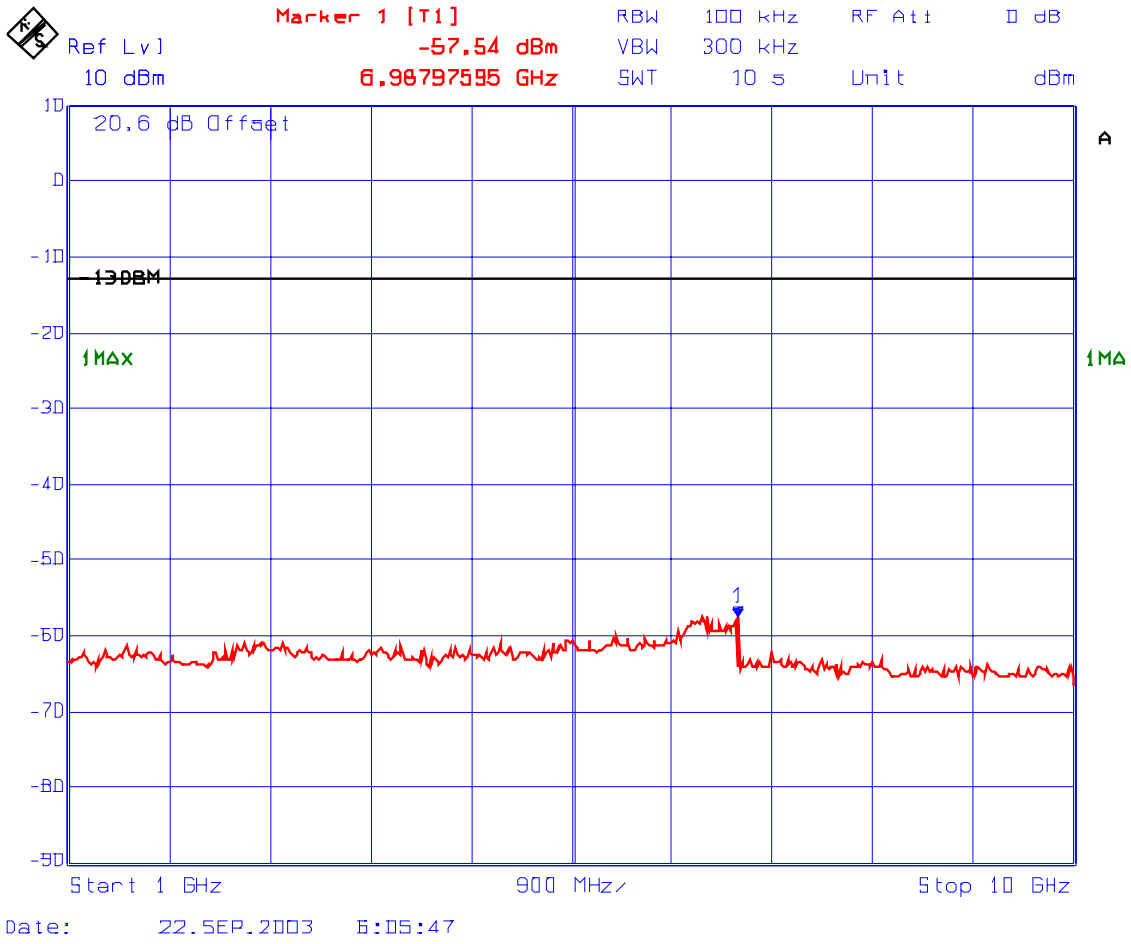
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 292 Spurious Emissions Conducted with 3 RF signal inputs/outputs Fc: 849 MHz, Fc - 30 kHz, Fc - 60 kHz



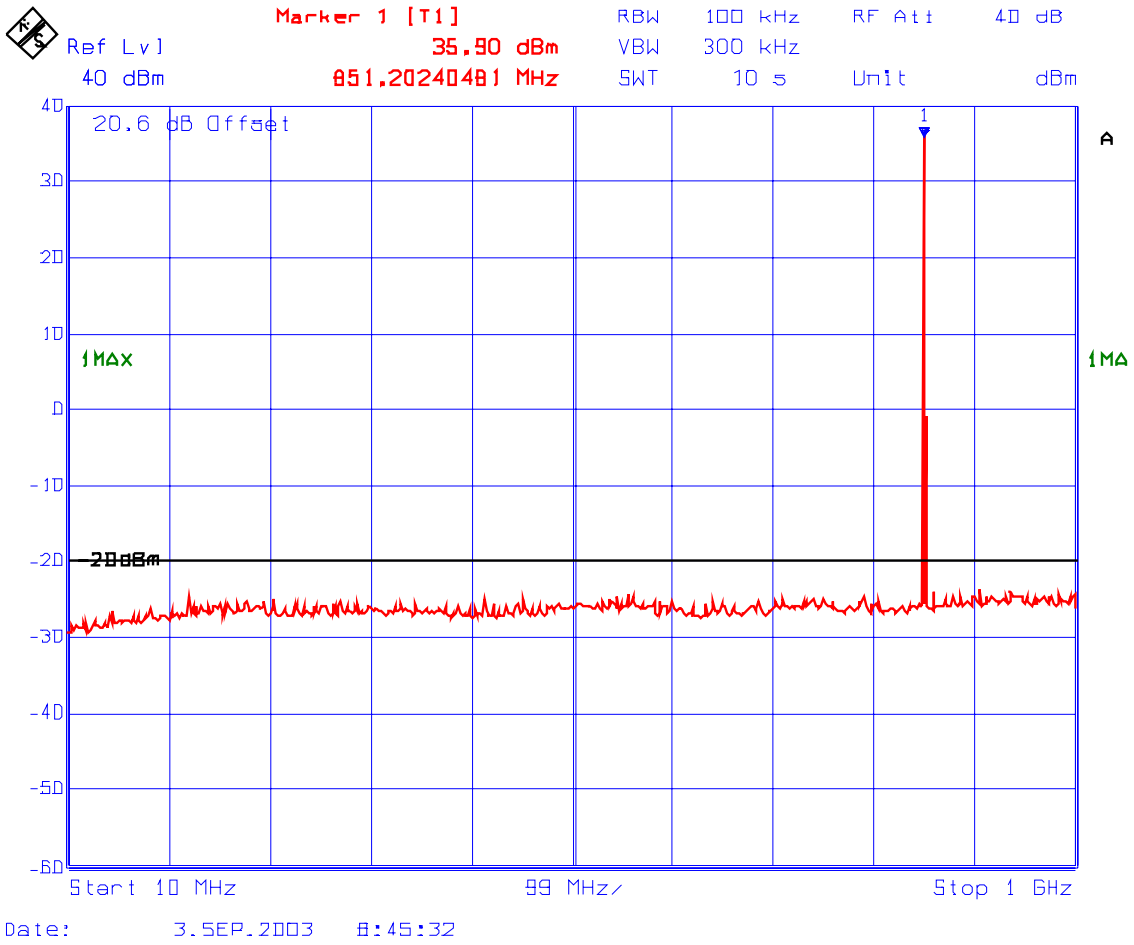
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 293 Spurious Emissions Conducted with 3 RF signal inputs/outputs Fc: 849 MHz, Fc - 30 kHz, Fc - 60 kHz



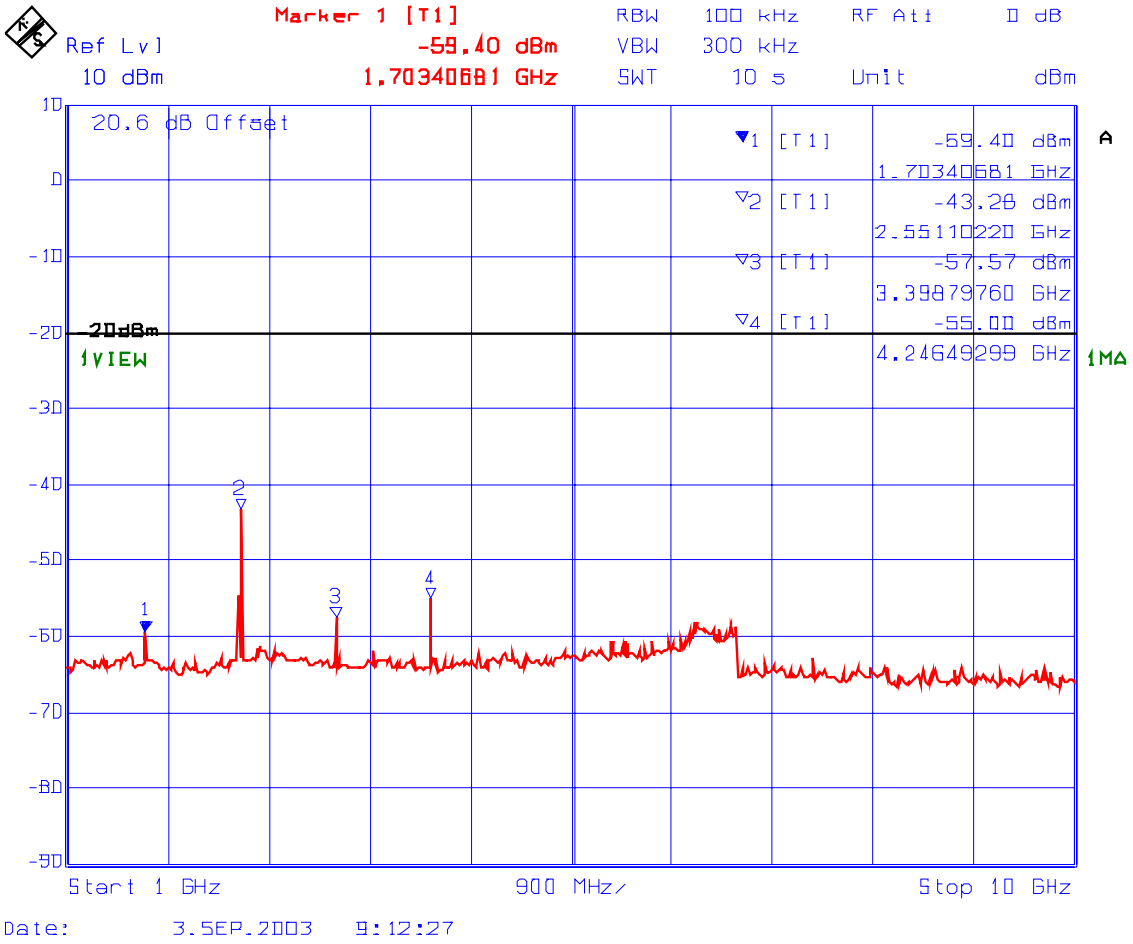
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 294 Spurious Emissions Conducted with 1 RF signal input/output Fc: 851 MHz



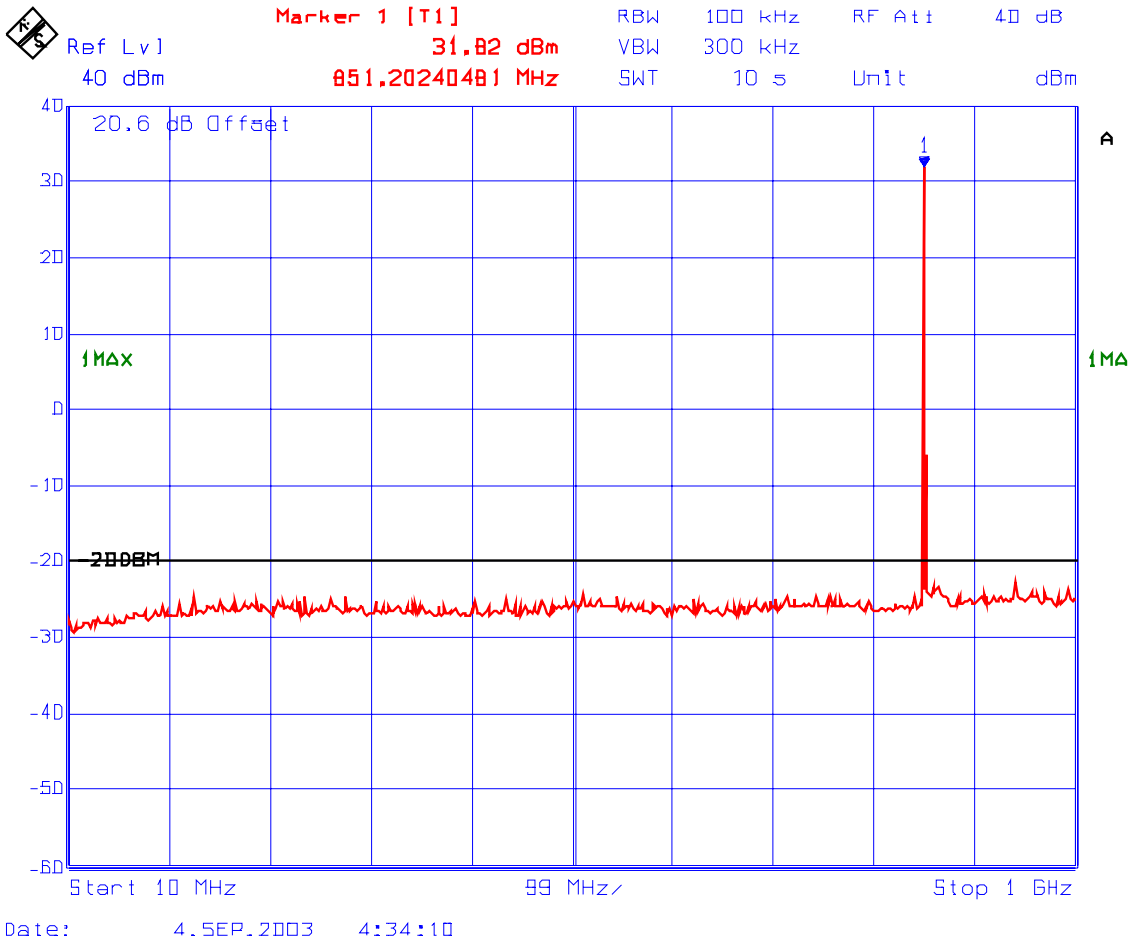
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 295 Spurious Emissions Conducted with 1 RF signal input/output
Fc: 851 MHz



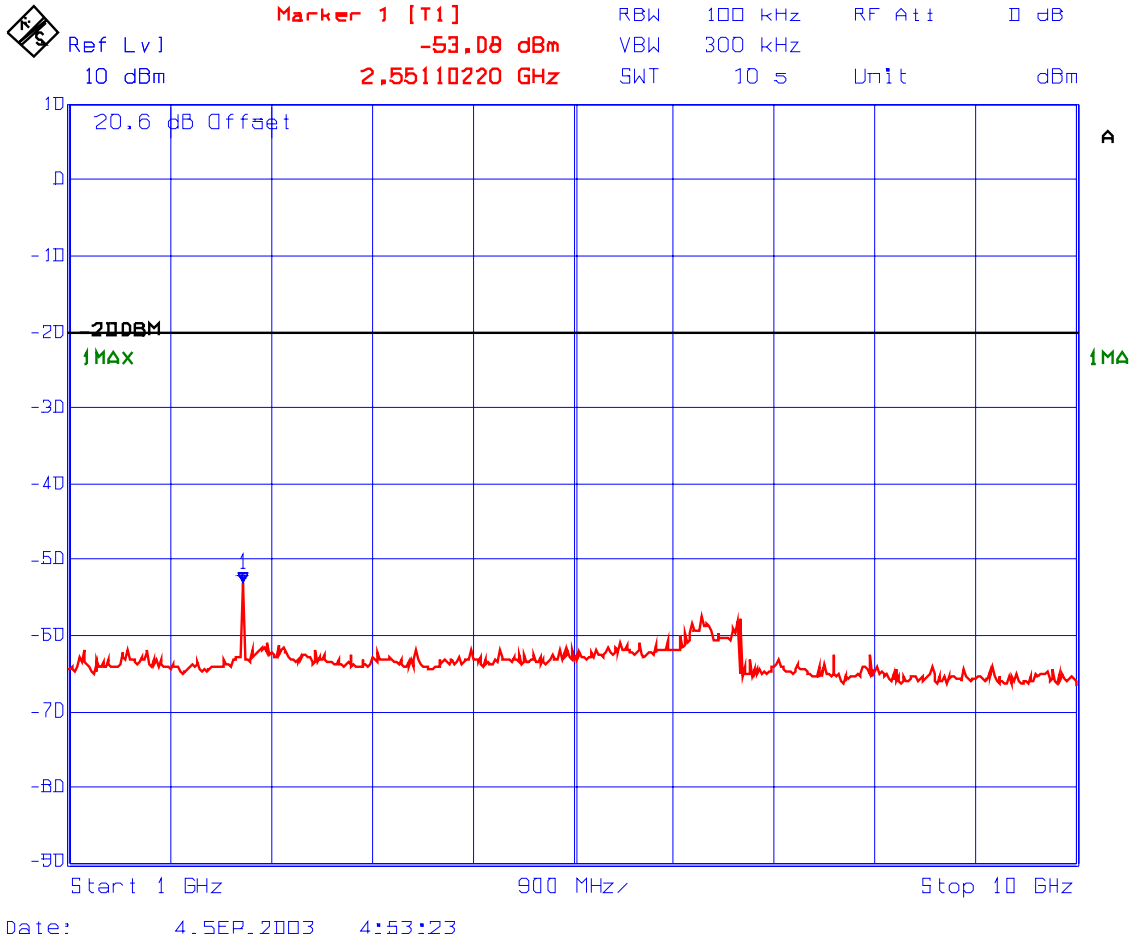
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 296 Spurious Emissions Conducted with 2 RF signal inputs/outputs Fc: 851 MHz, Fc + 12.5 kHz



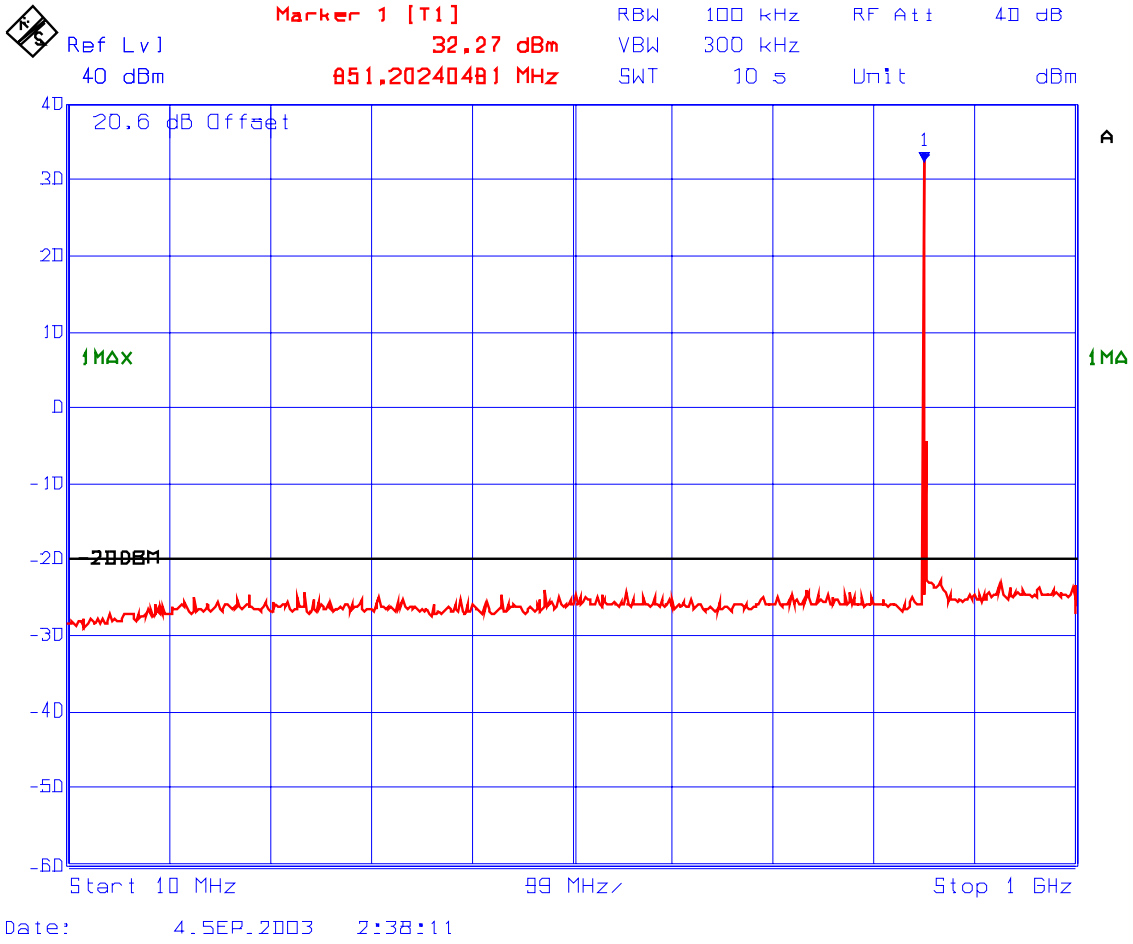
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 297 Spurious Emissions Conducted with 2 RF signal inputs/outputs Fc: 851 MHz, Fc + 12.5 kHz



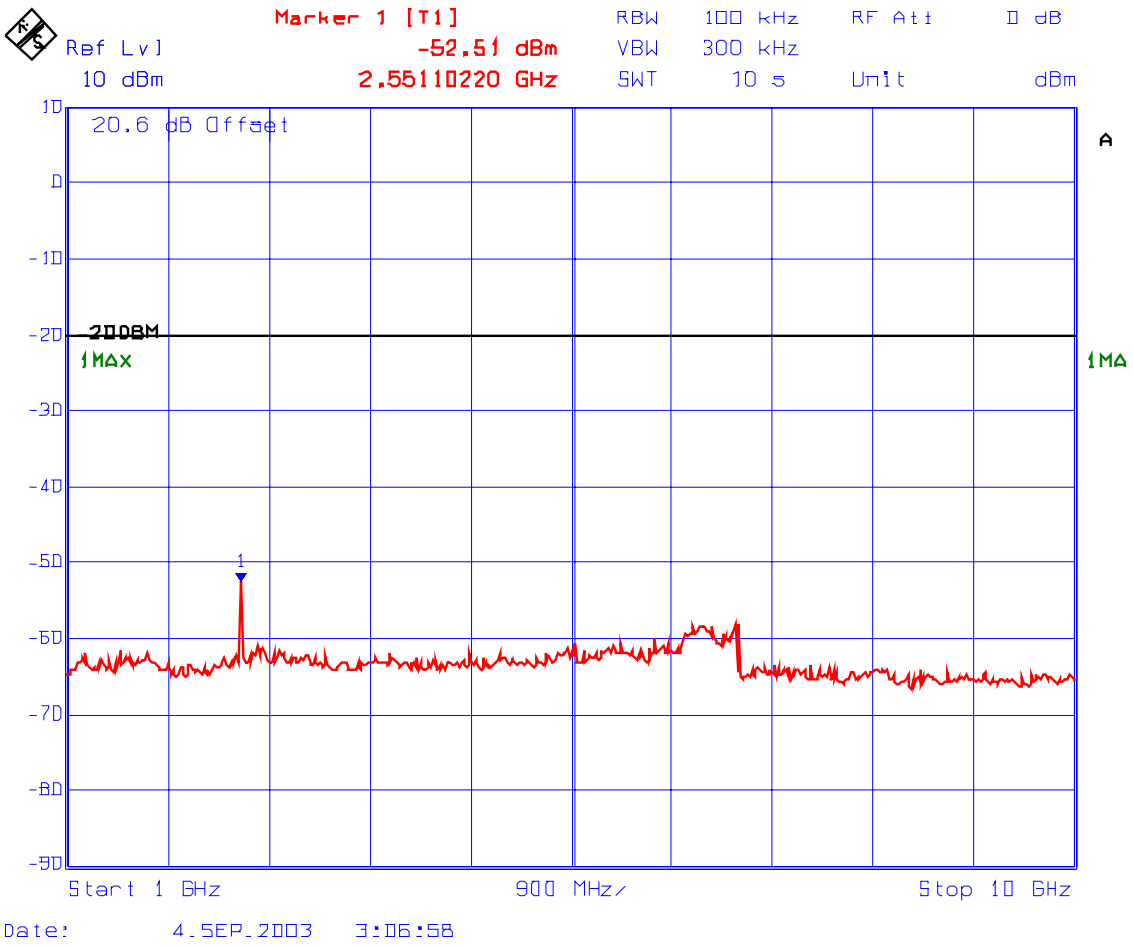
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 298 Spurious Emissions Conducted with 3 RF signal inputs/outputs Fc: 851 MHz, Fc + 12.5 kHz & Fc + 25 kHz



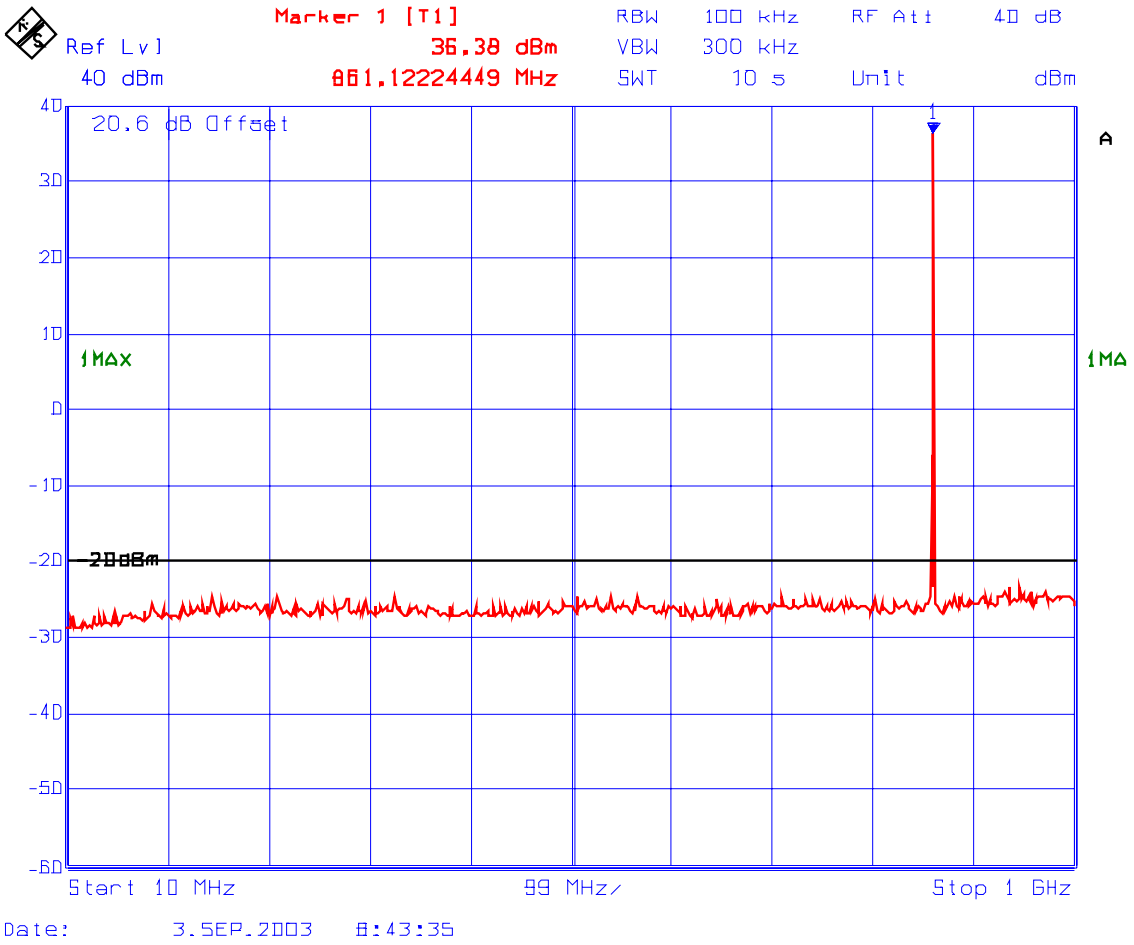
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 299 Spurious Emissions Conducted with 3 RF signal inputs/outputs Fc: 851 MHz, Fc + 12.5 kHz & Fc + 25 kHz



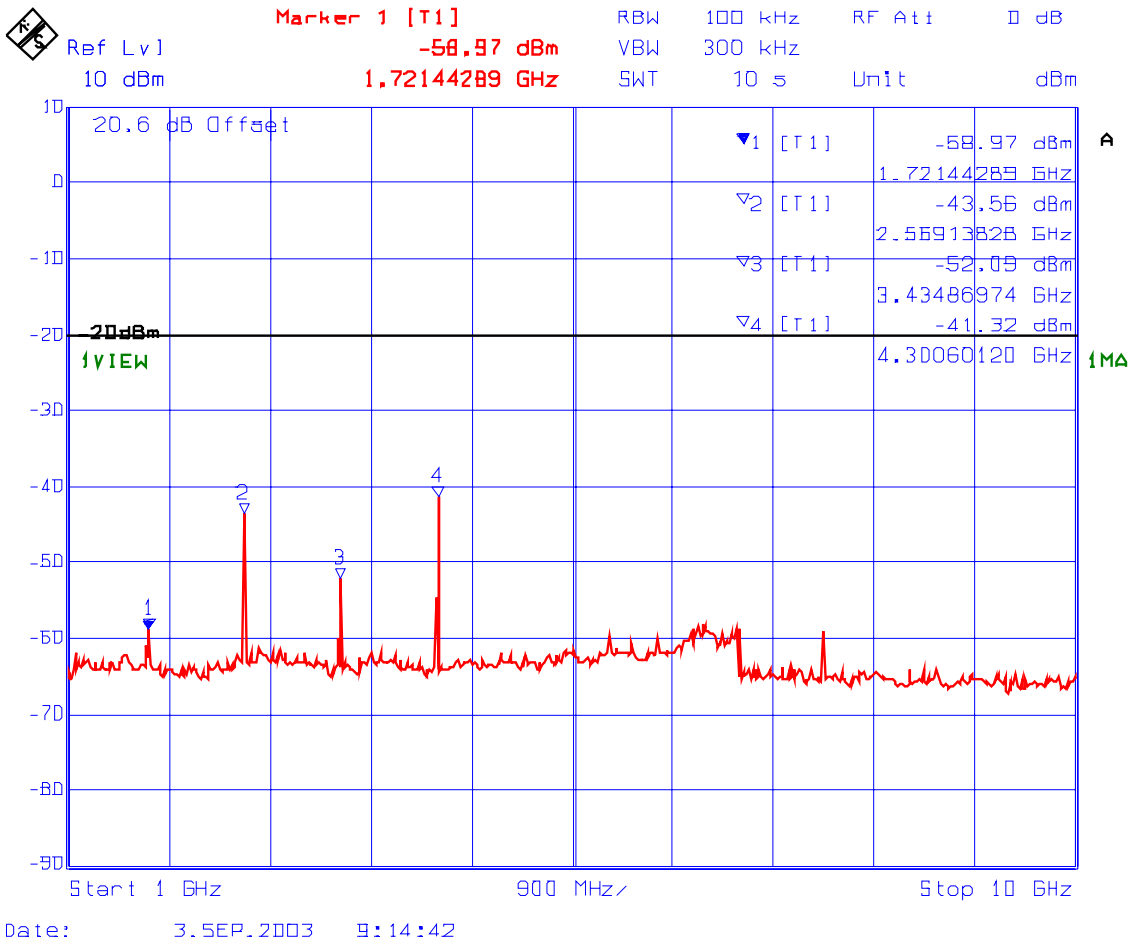
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 300 Spurious Emissions Conducted with 1 RF signal input/output Fc: 860 MHz



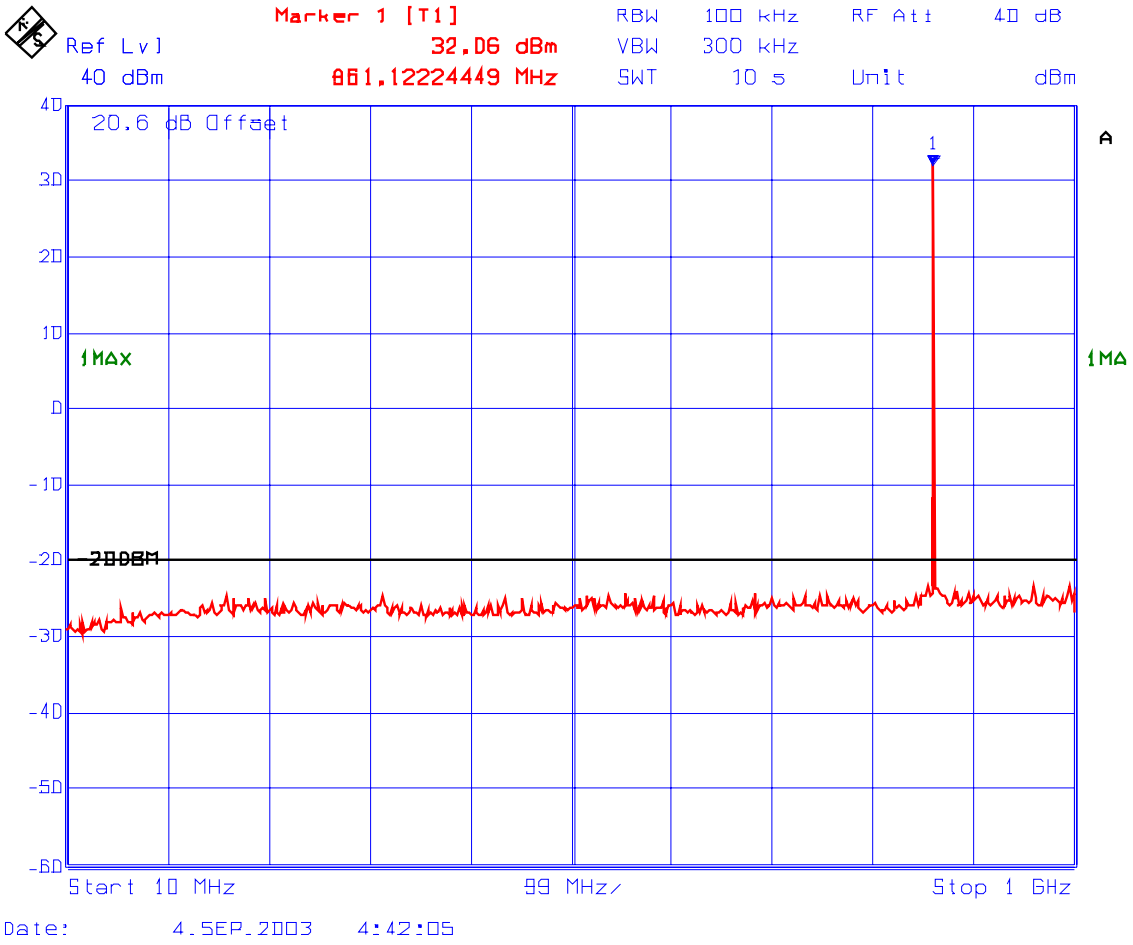
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 301 Spurious Emissions Conducted with 1 RF signal input/output Fc: 860 MHz



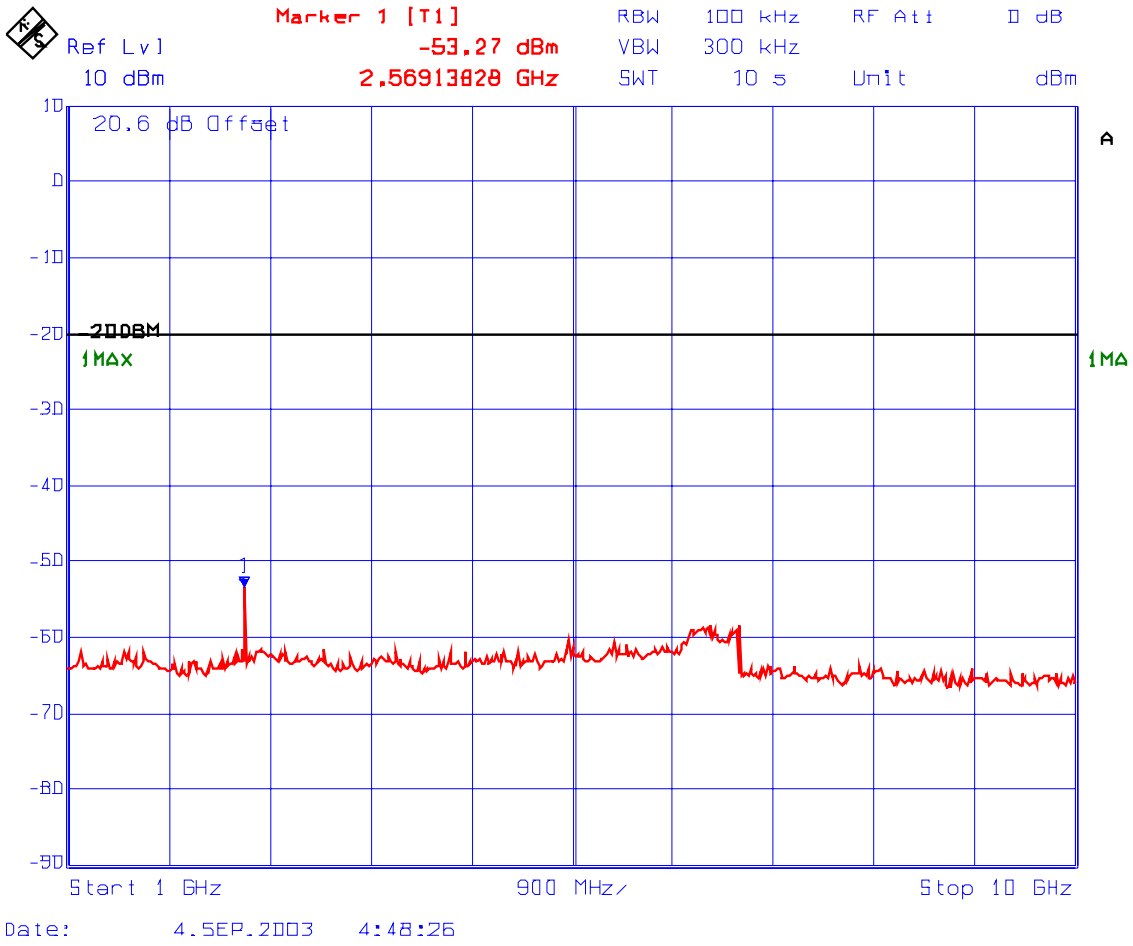
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 302 Spurious Emissions Conducted with 2 RF signal inputs/outputs Fc: 860 MHz, Fc + 12.5 kHz



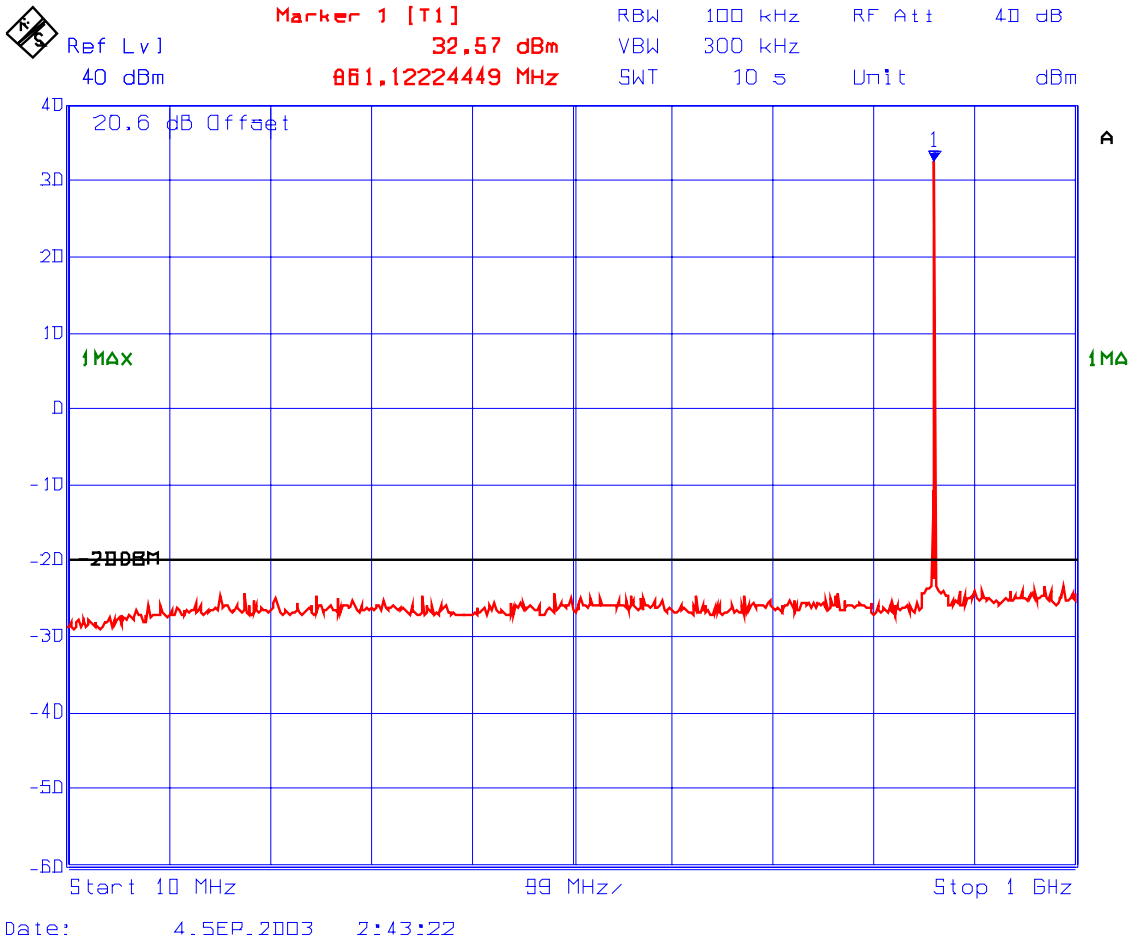
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 303 Spurious Emissions Conducted with 2 RF signal inputs/outputs Fc: 860 MHz, Fc + 12.5 kHz



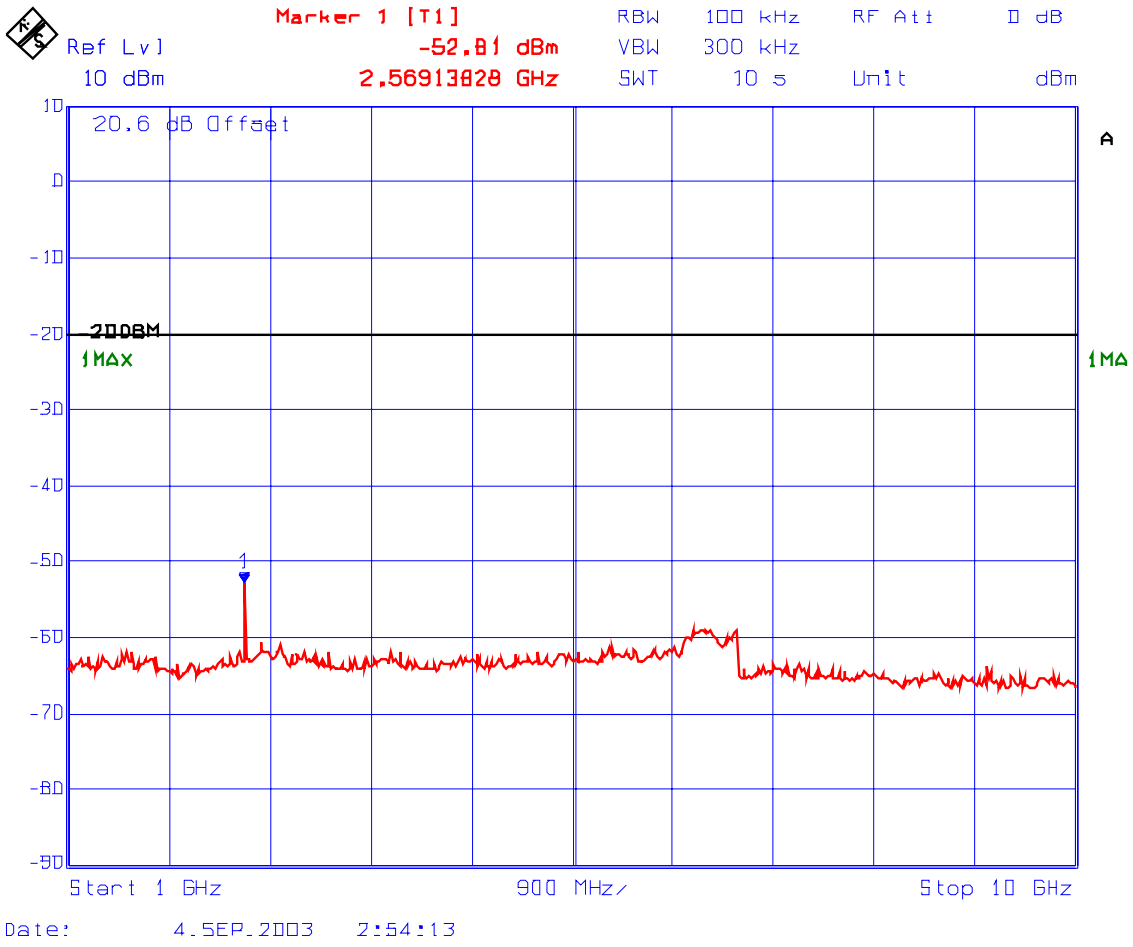
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 304 Spurious Emissions Conducted with 3 RF signal inputs/outputs Fc: 860 MHz, Fc + 12.5 kHz & Fc – 12.5 kHz



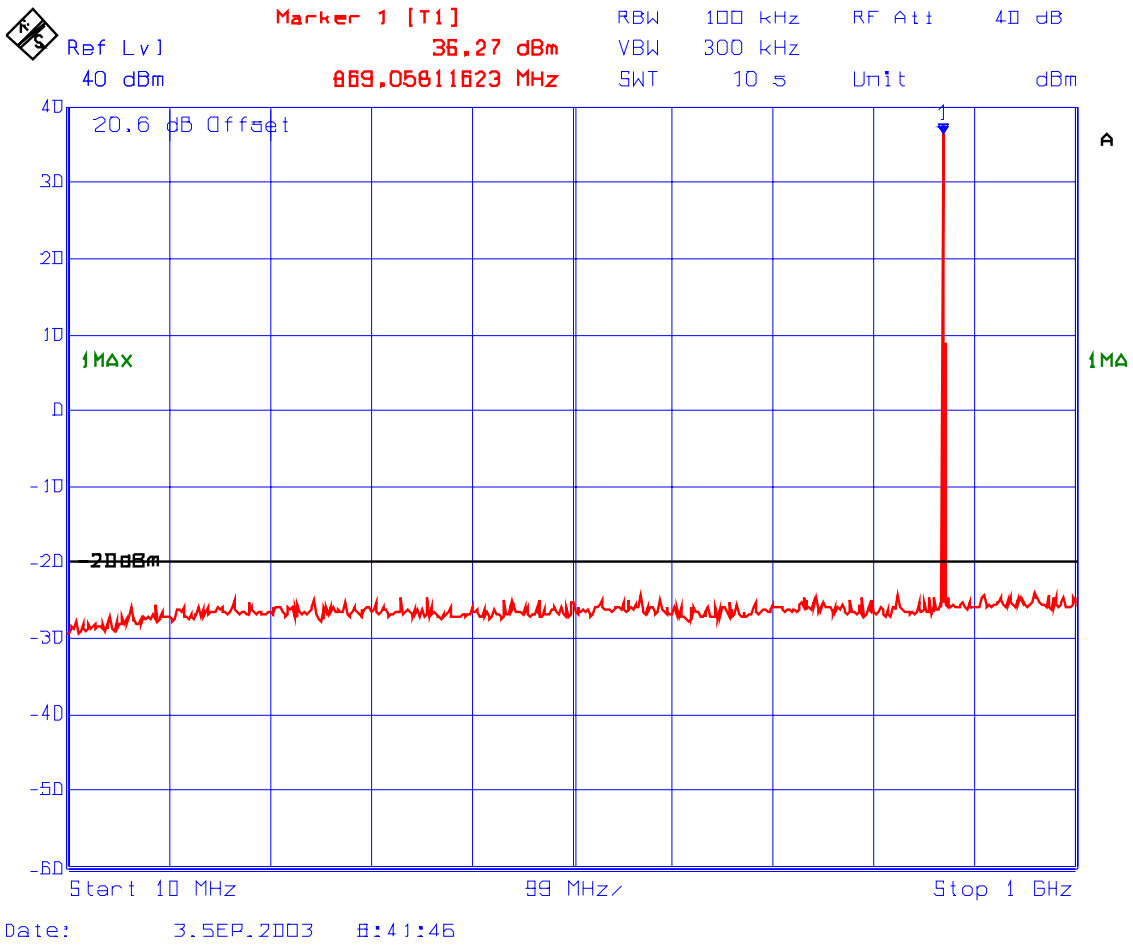
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 305 Spurious Emissions Conducted with 3 RF signal inputs/outputs Fc: 860 MHz, Fc + 12.5 kHz & Fc – 12.5 kHz



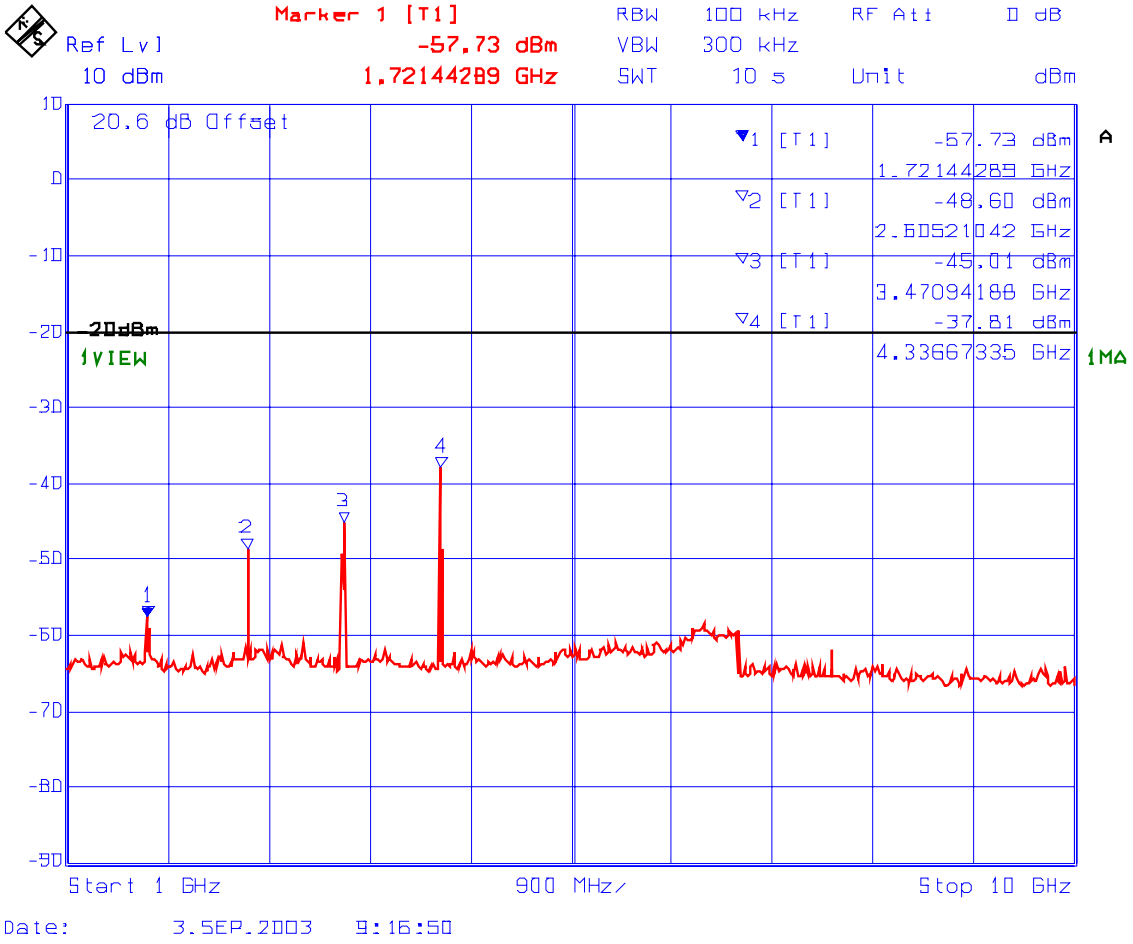
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 306 Spurious Emissions Conducted with 1 RF signal input/output Fc: 869 MHz



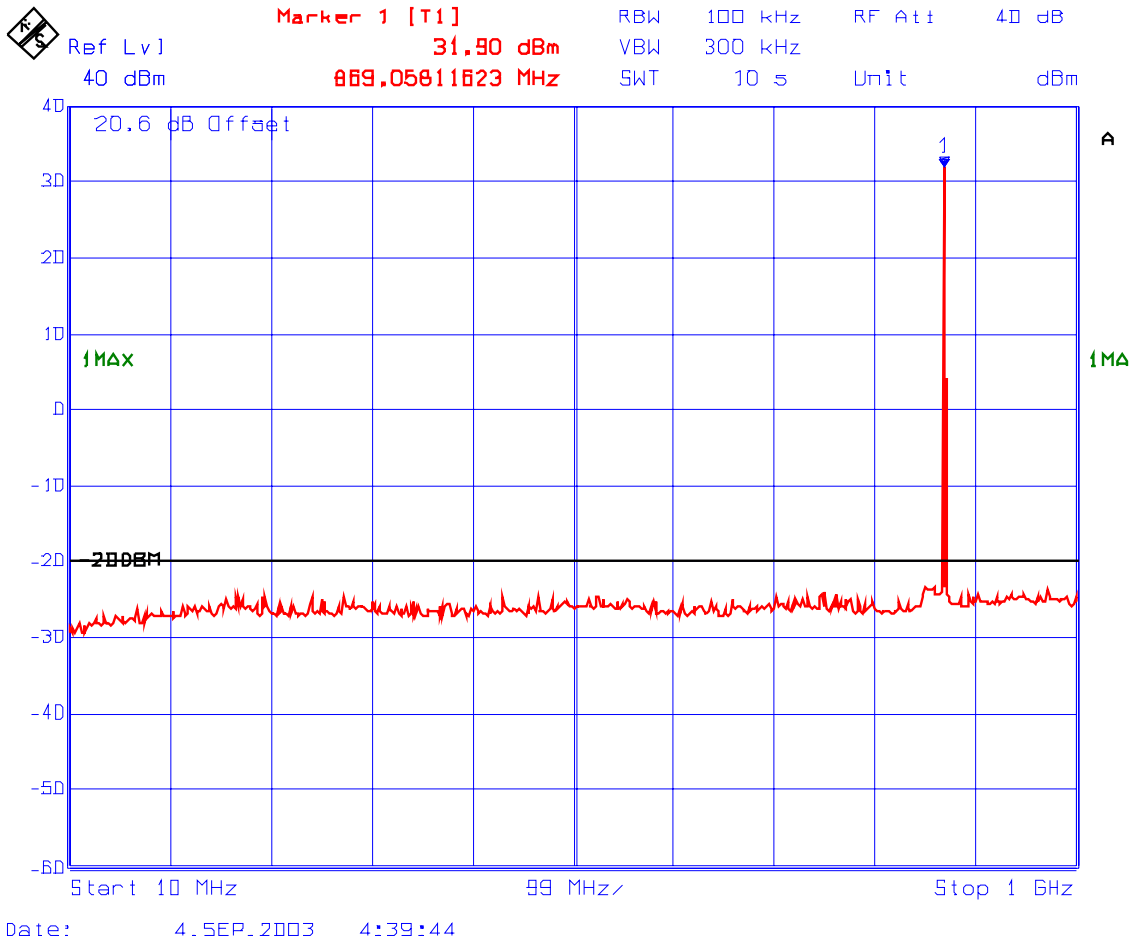
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 307 Spurious Emissions Conducted with 1 RF signal input/output
Fc: 869 MHz



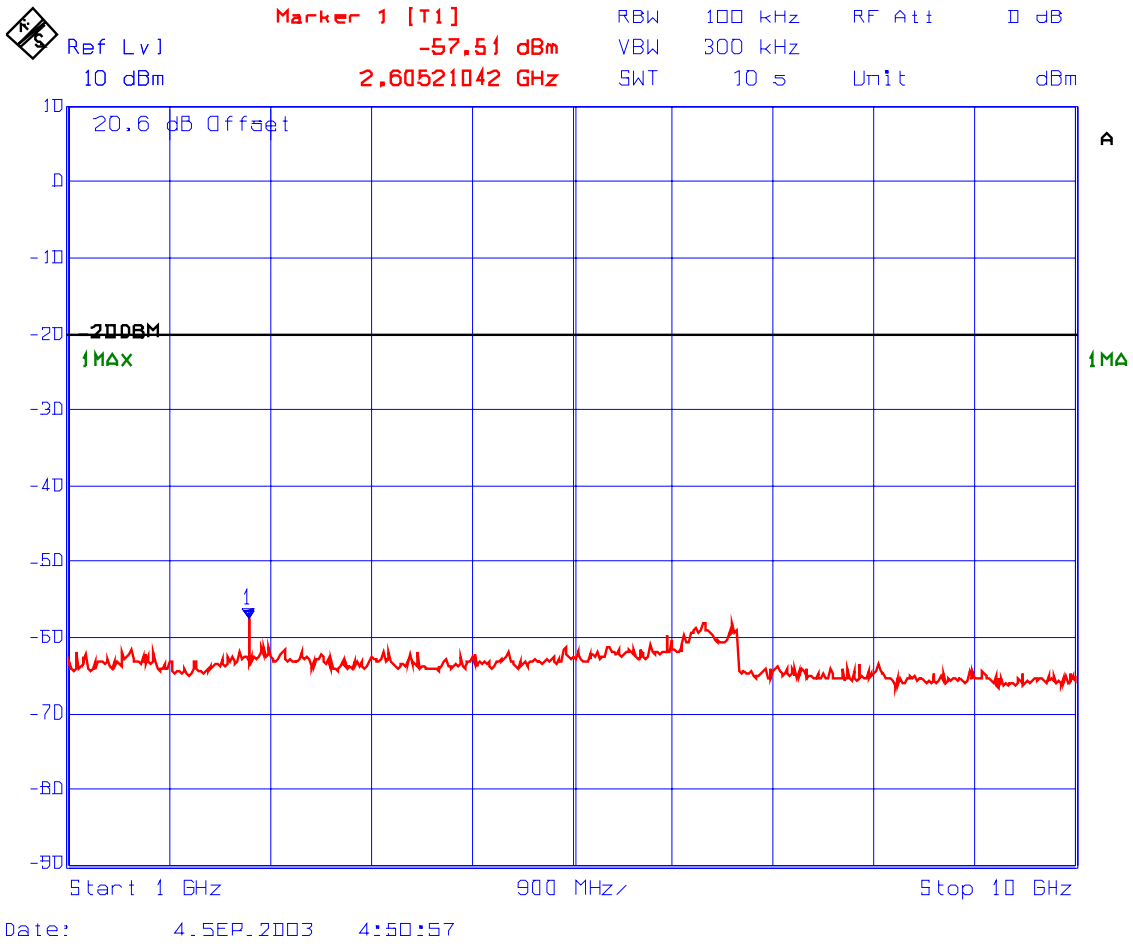
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 308 Spurious Emissions Conducted with 2 RF signal inputs/outputs Fc: 869 MHz, Fc - 12.5 kHz



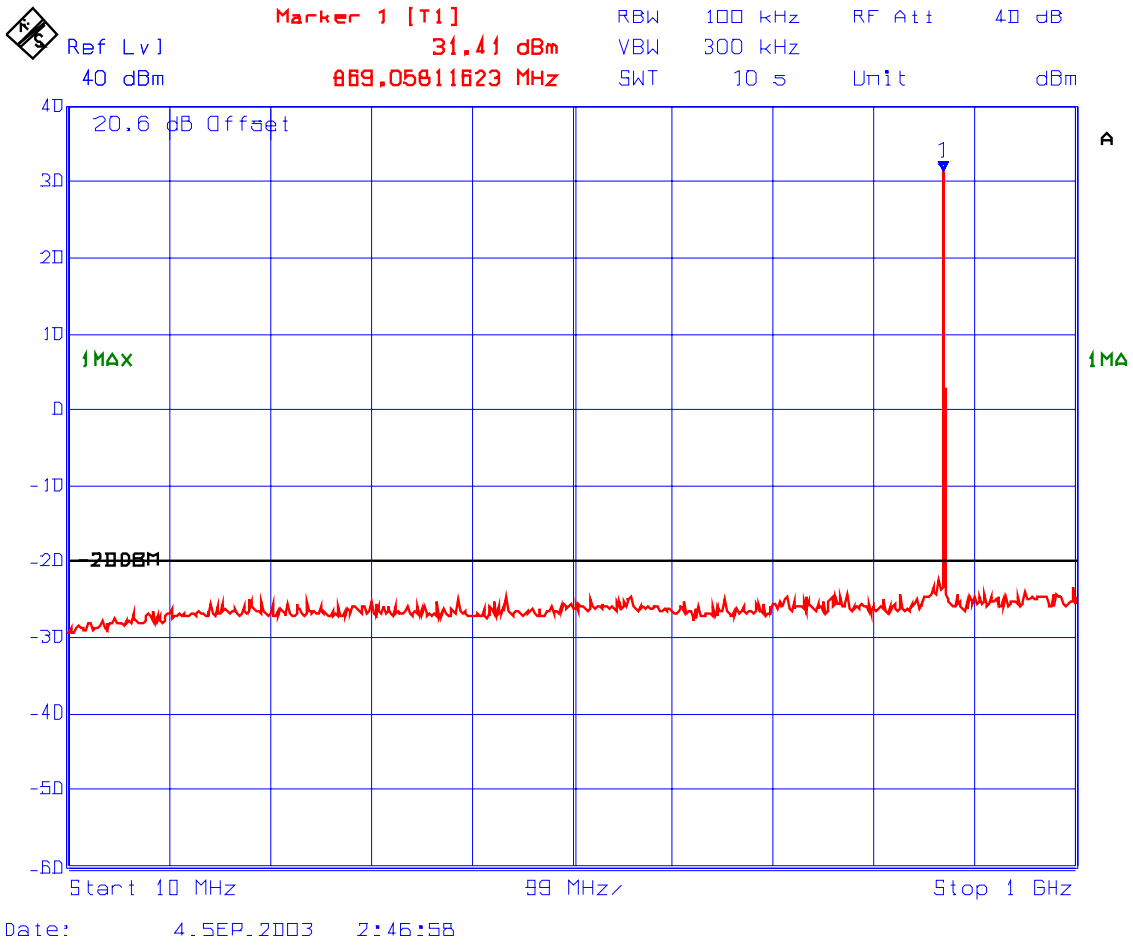
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 309 Spurious Emissions Conducted with 2 RF signal inputs/outputs Fc: 869 MHz, Fc - 12.5 kHz



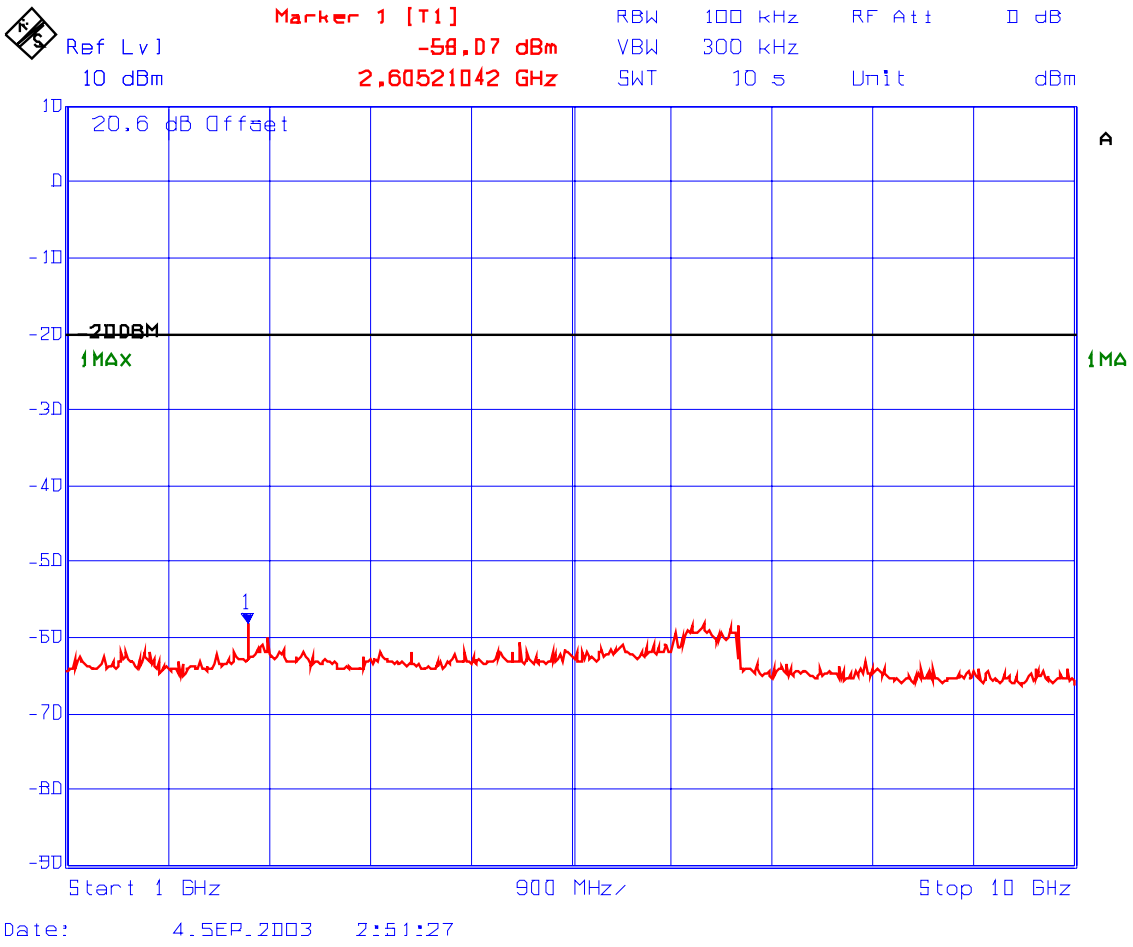
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 310 Spurious Emissions Conducted with 3 RF signal inputs/outputs Fc: 869 MHz, Fc - 12.5 kHz & Fc – 25 kHz



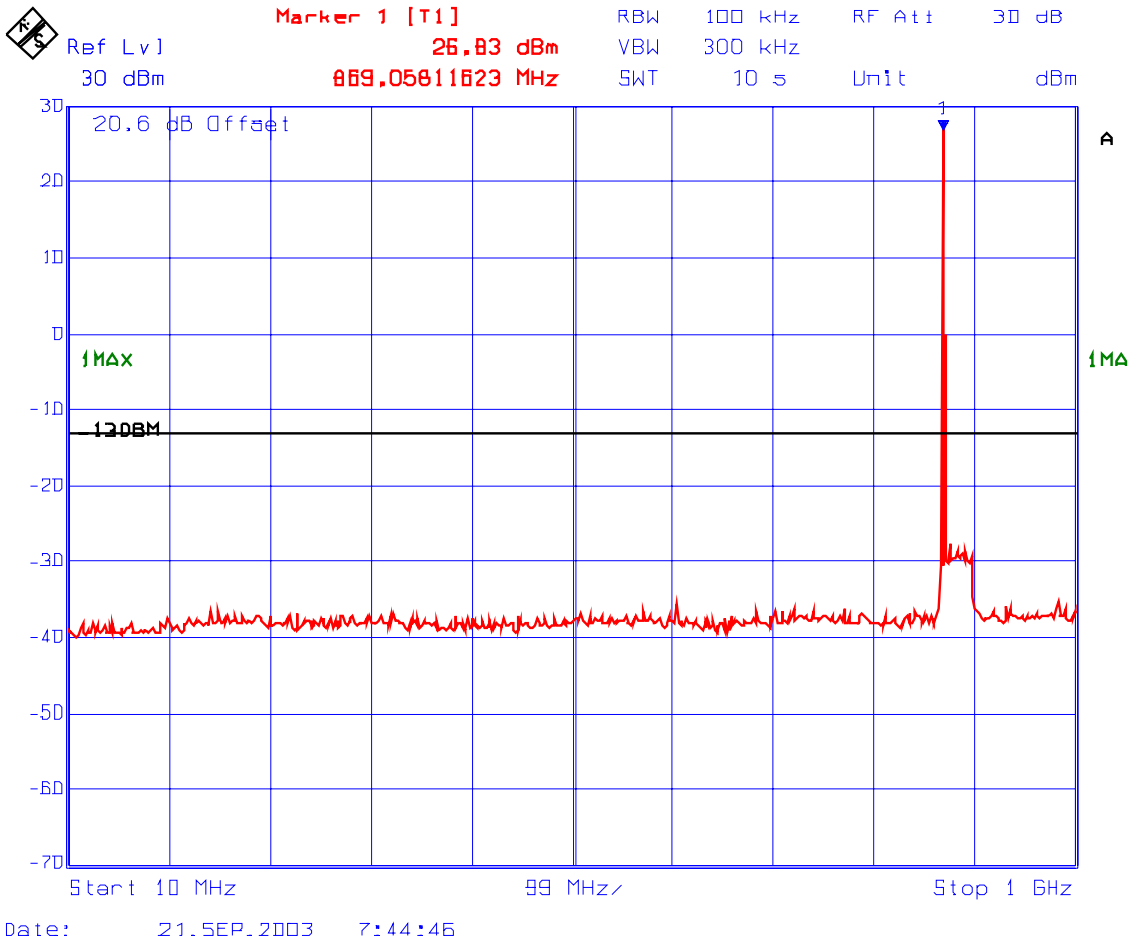
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 311 Spurious Emissions Conducted with 3 RF signal inputs/outputs Fc: 869 MHz, Fc - 12.5 kHz & Fc – 25 kHz



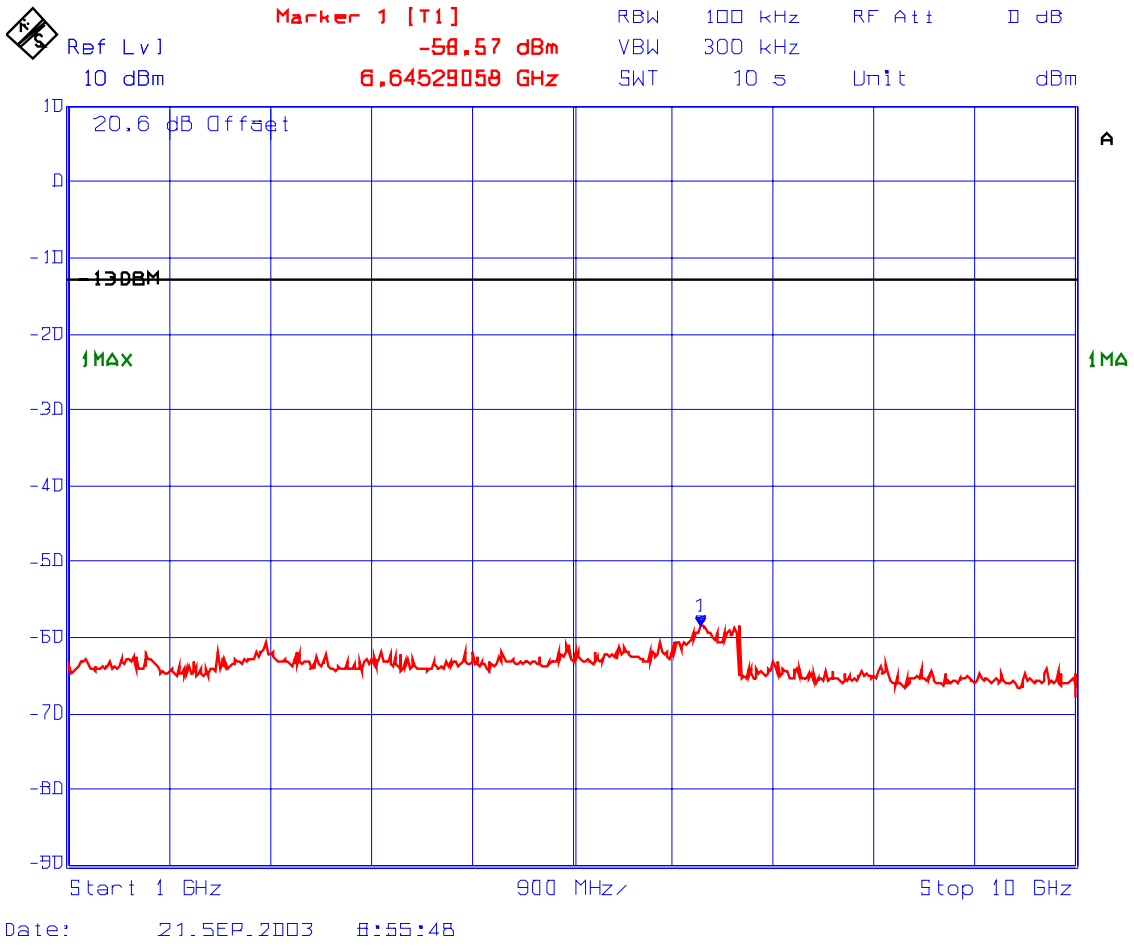
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 312 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: FM modulation with 2.5 kHz Sine Wave signal
Fc: 869 MHz



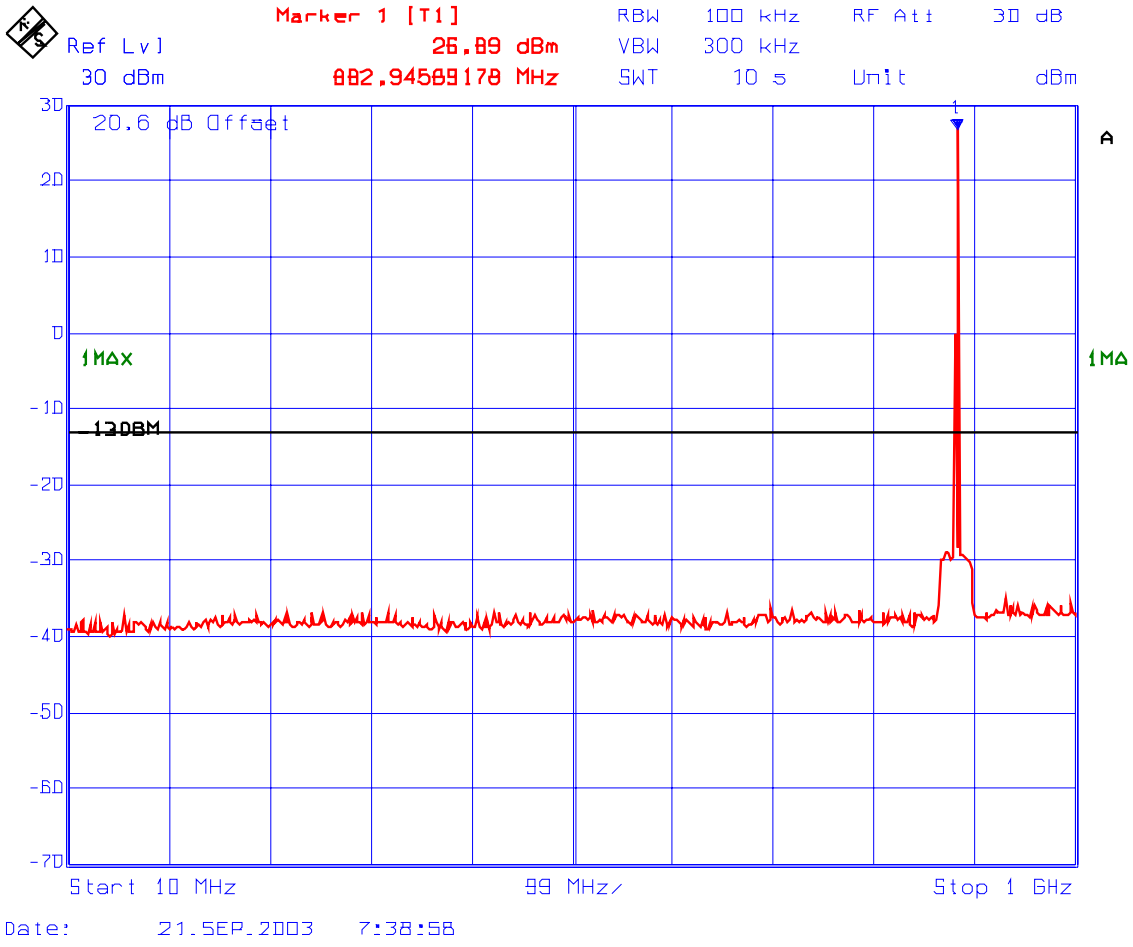
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 313 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: FM modulation with 2.5 kHz Sine Wave signal
Fc: 869 MHz



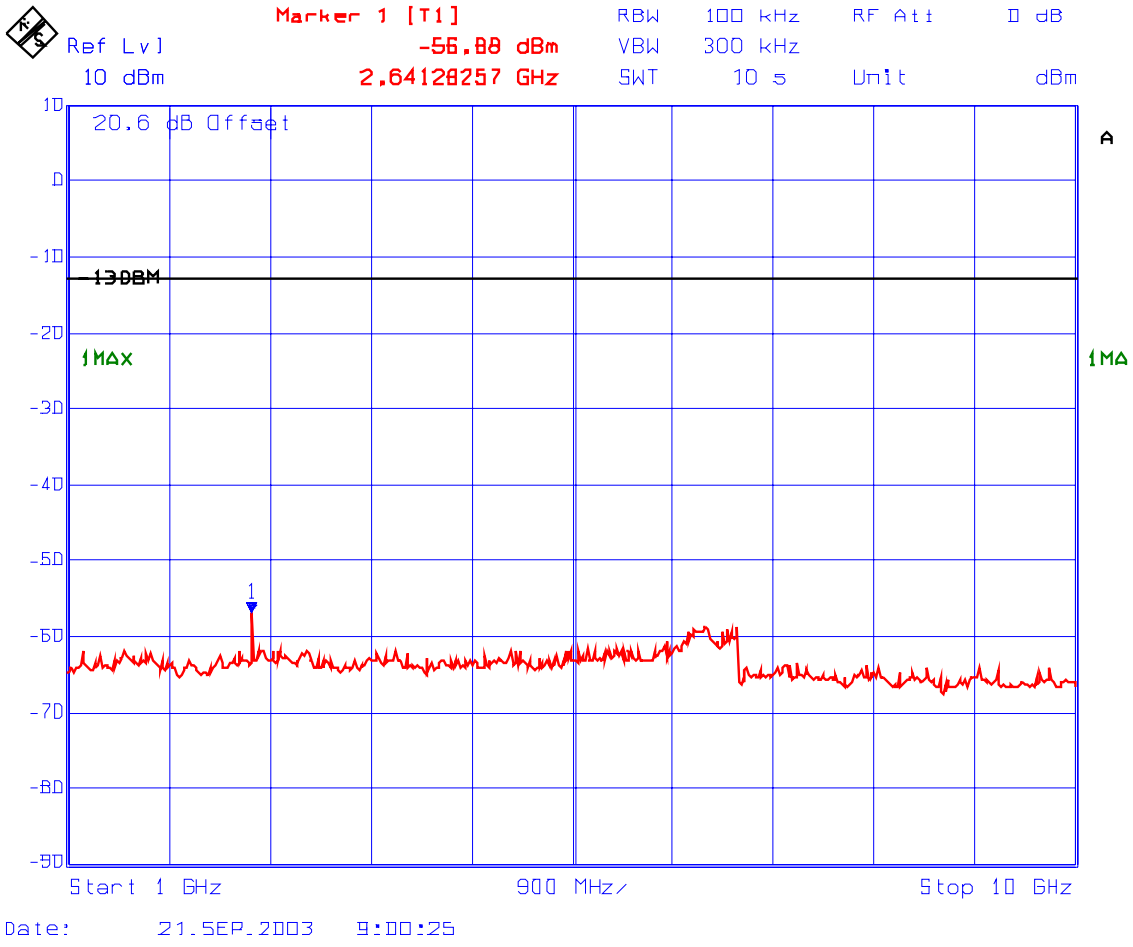
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 314 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: FM modulation with 2.5 kHz Sine Wave signal
Fc: 881.5 MHz



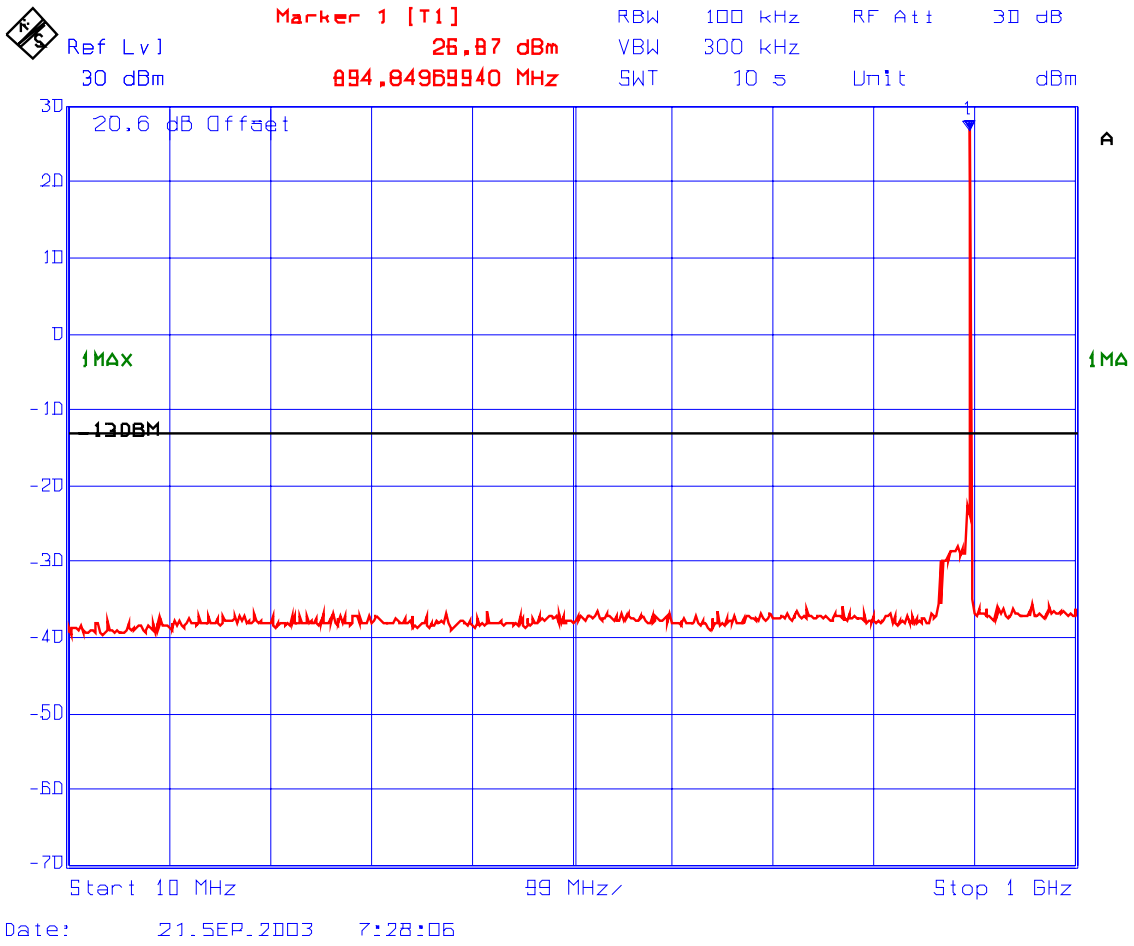
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 315 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: FM modulation with 2.5 kHz Sine Wave signal
Fc: 881.5 MHz



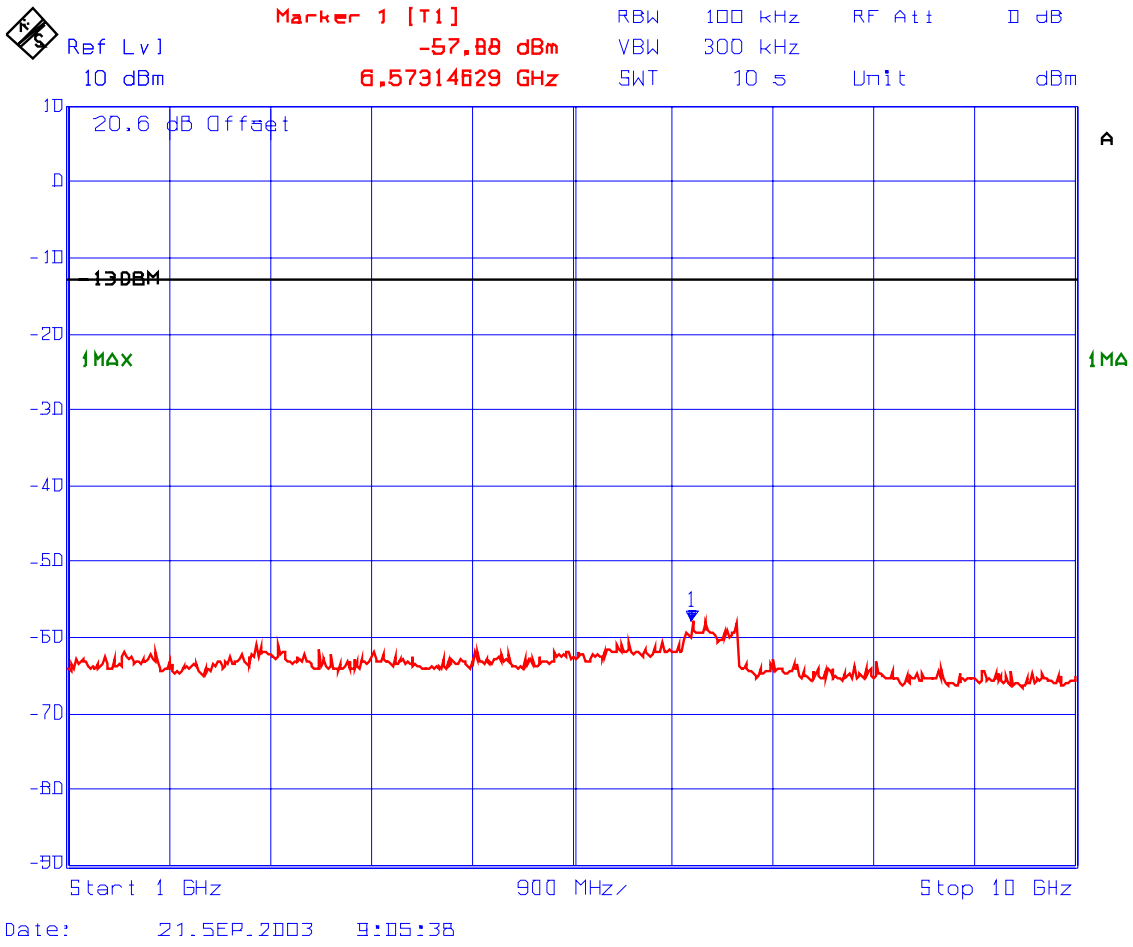
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 316 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: FM modulation with 2.5 kHz Sine Wave signal
Fc: 894 MHz



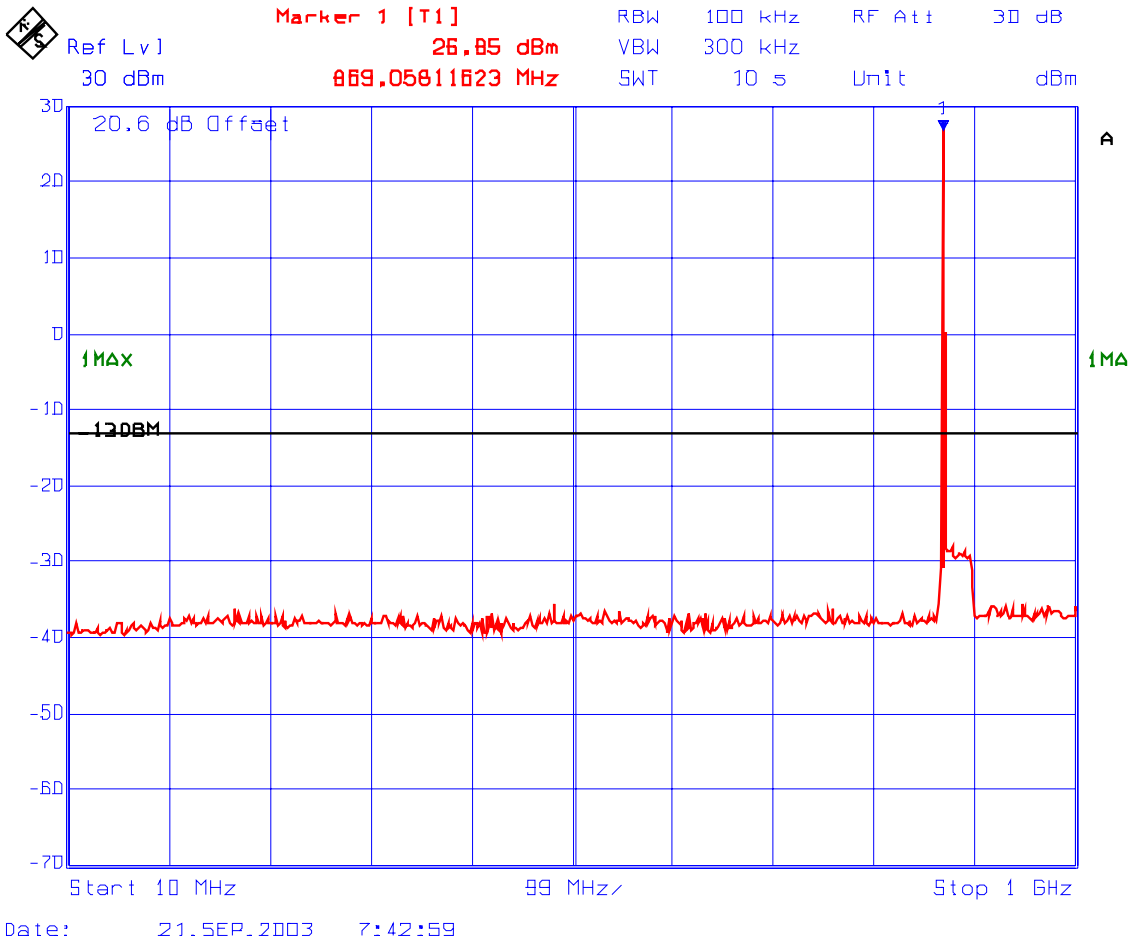
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 317 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: FM modulation with 2.5 kHz Sine Wave signal
Fc: 894 MHz



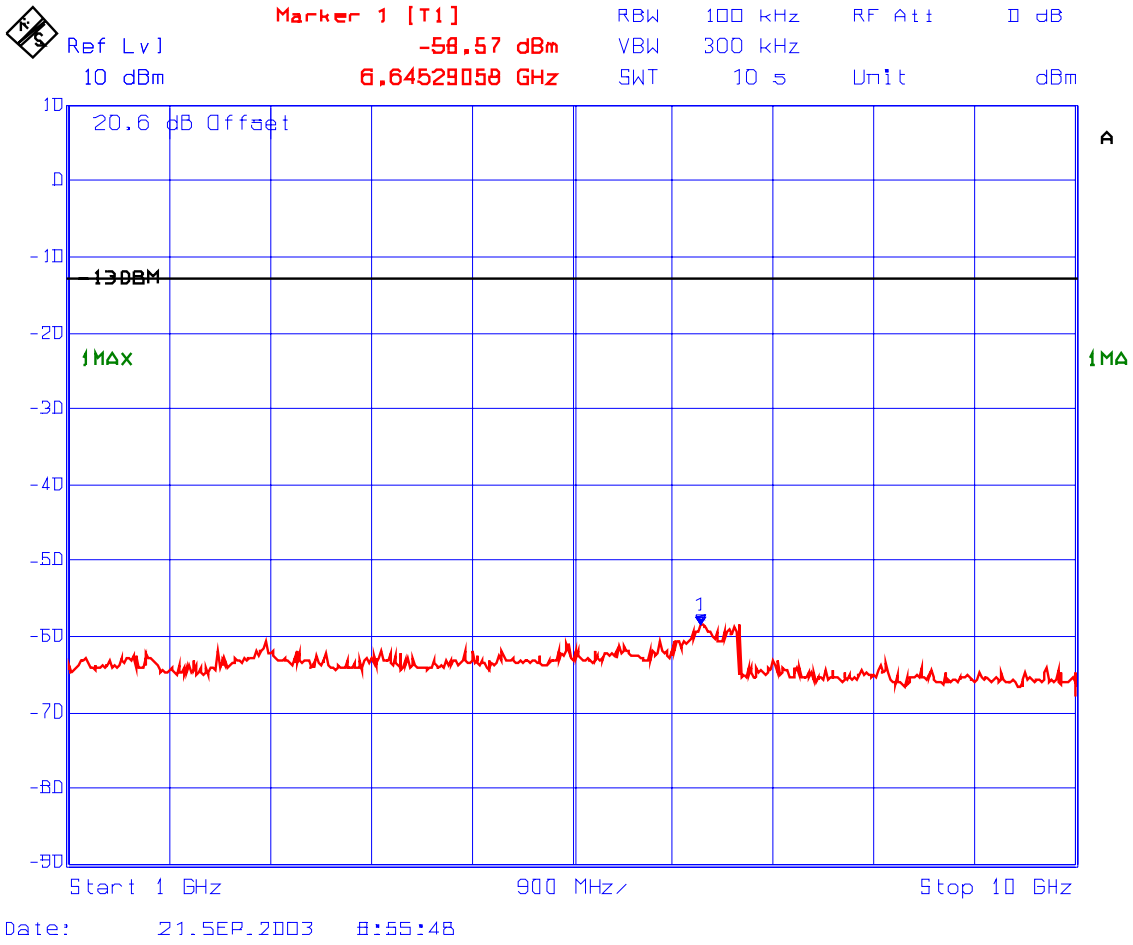
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 318 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: FM modulation with an external 9600 b/s random data source
Fc: 869 MHz



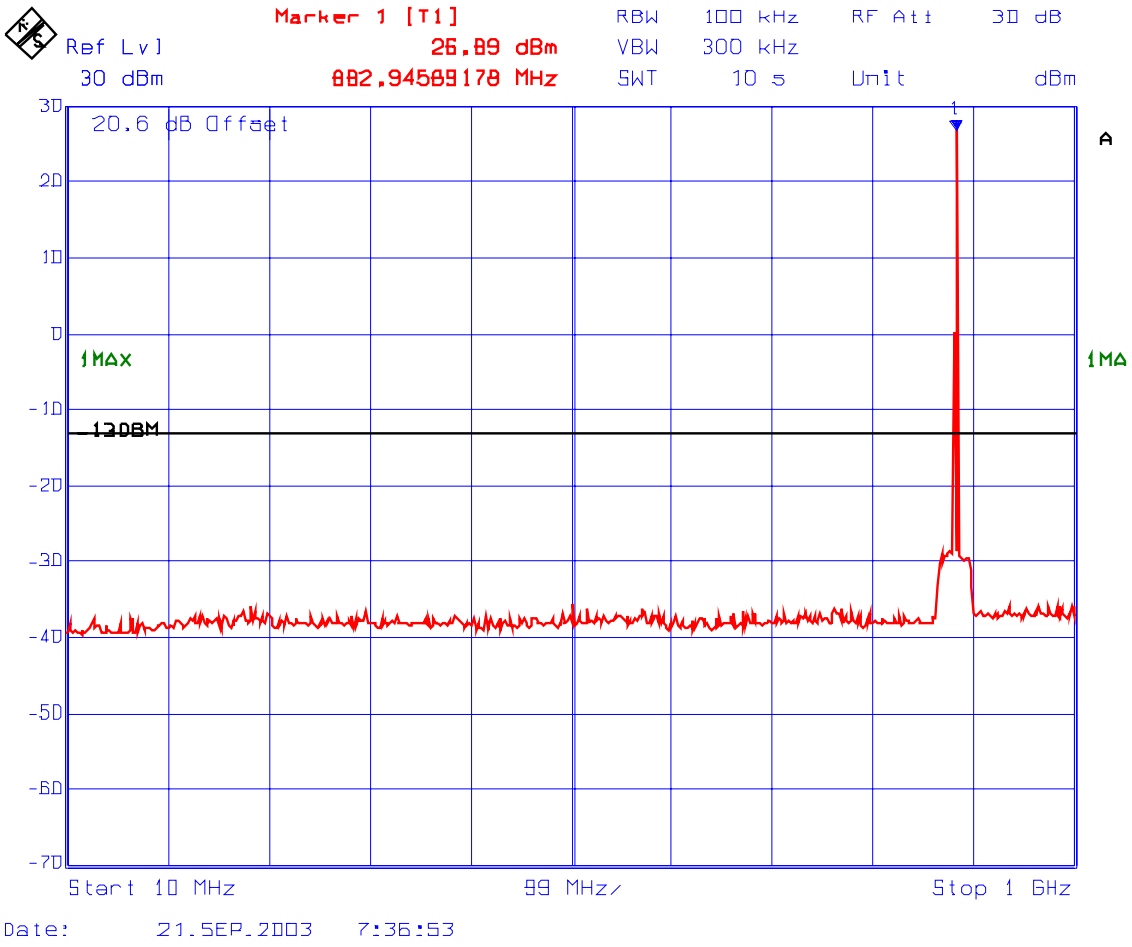
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 319 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: FM modulation with an external 9600 b/s random data source
Fc: 869 MHz



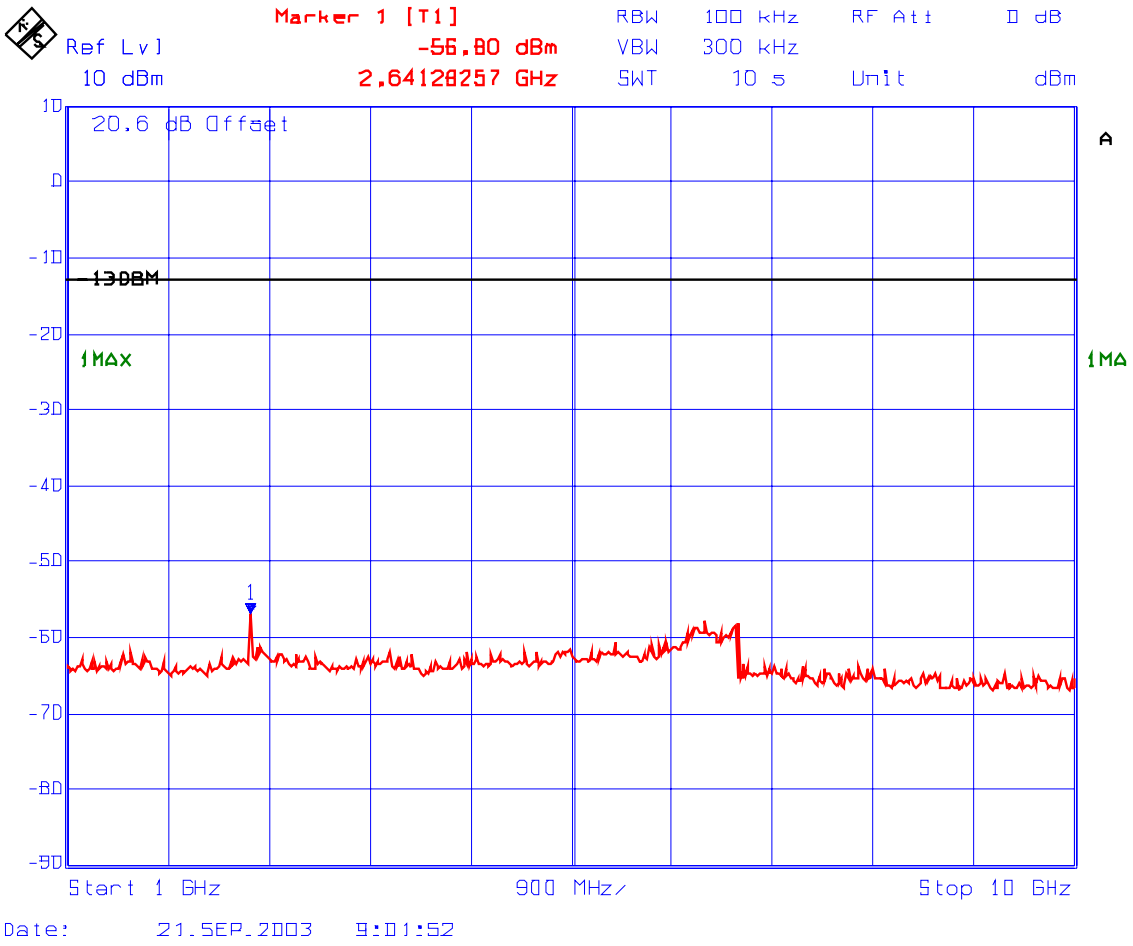
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 320 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: FM modulation with an external 9600 b/s random data source
Fc: 881.5 MHz



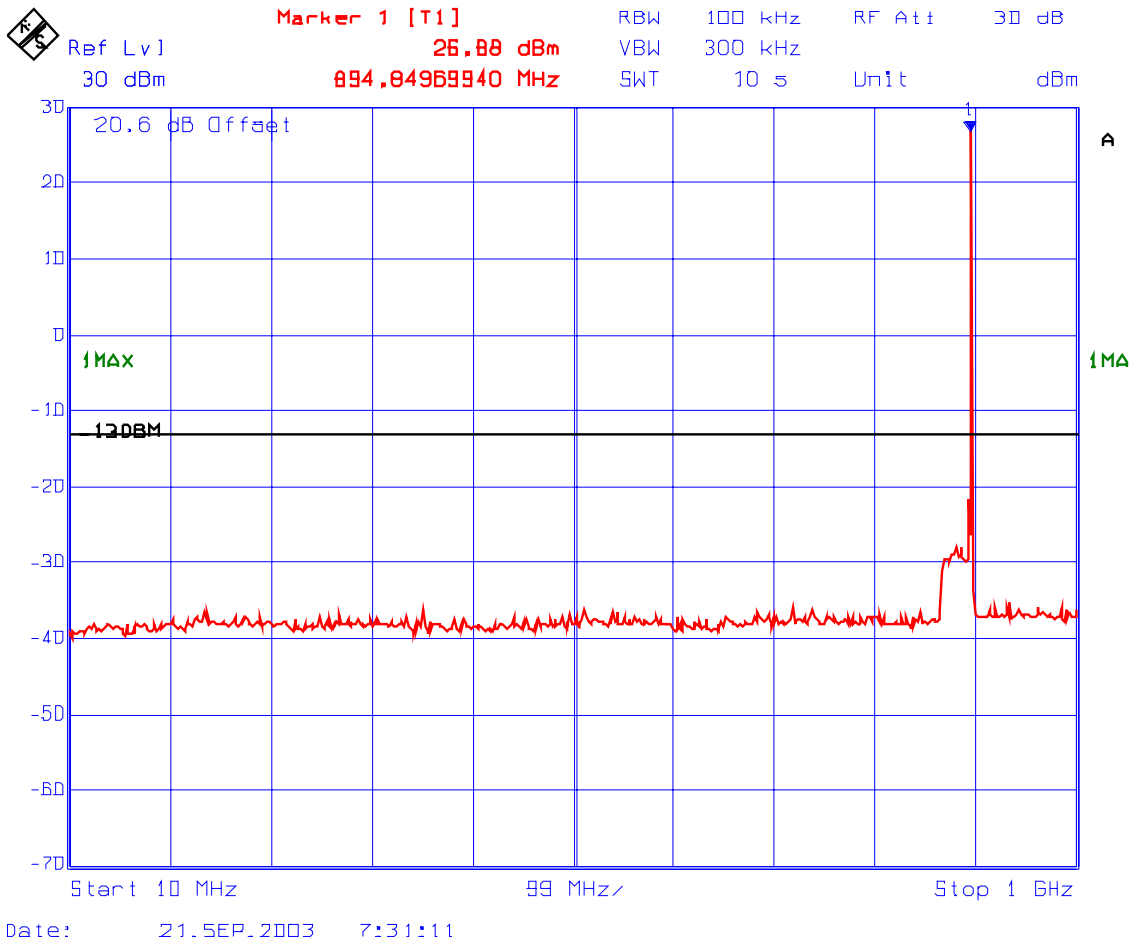
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 321 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: FM modulation with an external 9600 b/s random data source
Fc: 881.5 MHz



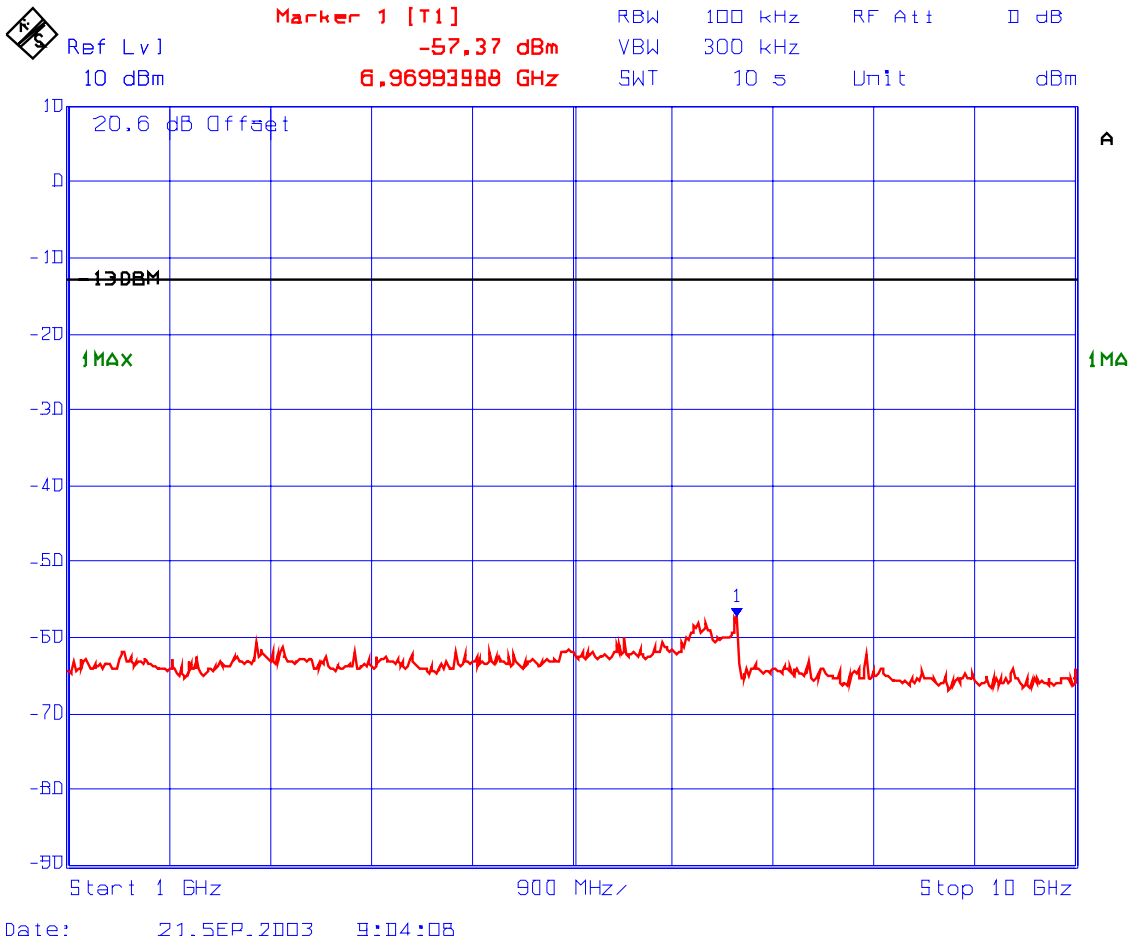
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 322 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: FM modulation with an external 9600 b/s random data source
Fc: 894 MHz



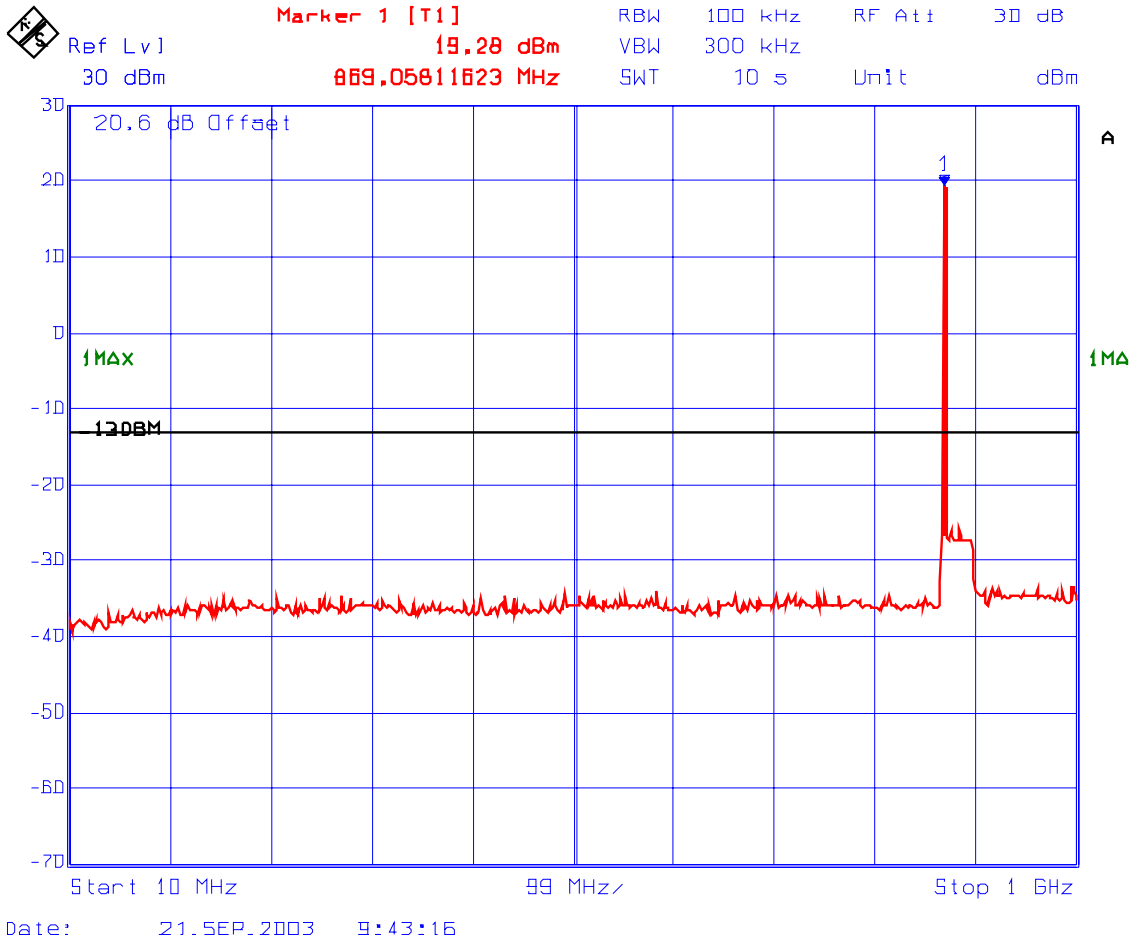
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 323 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: FM modulation with an external 9600 b/s random data source
Fc: 894 MHz



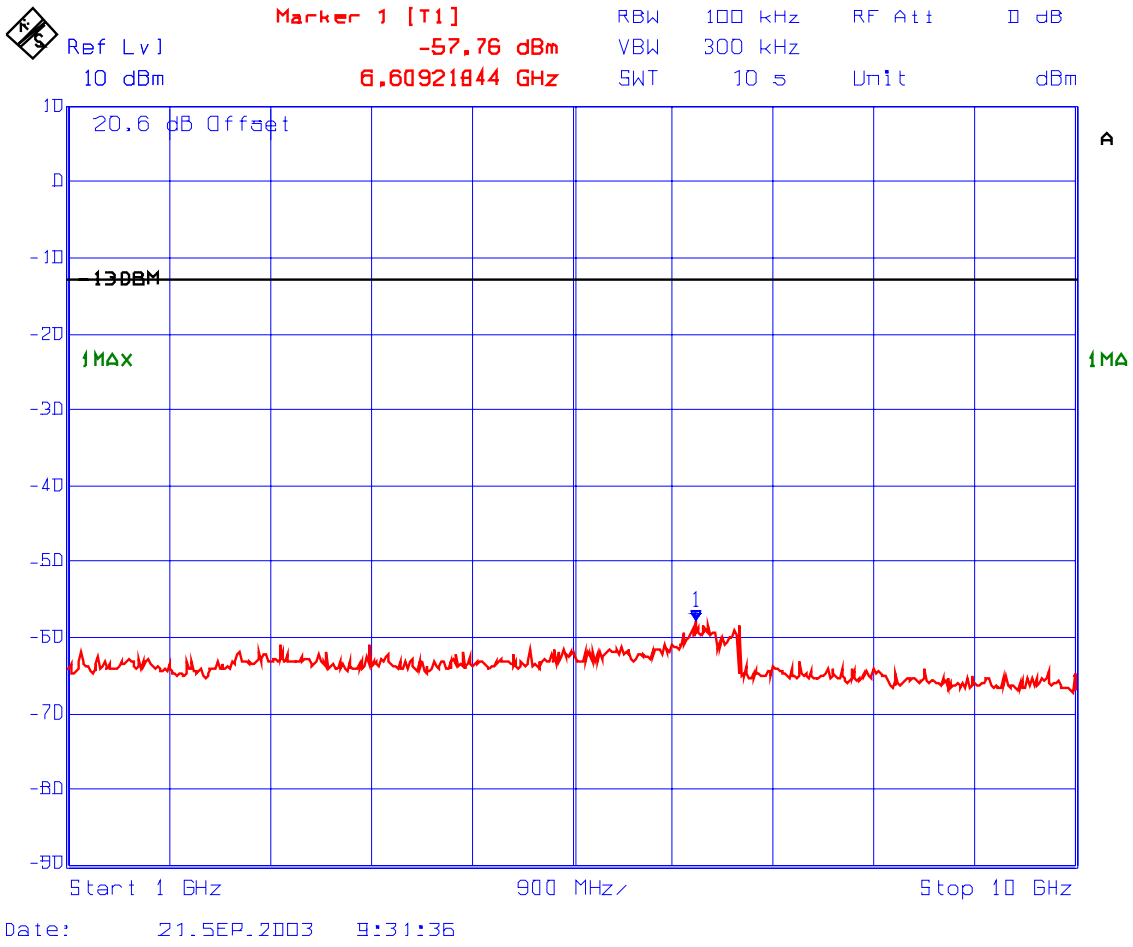
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 324 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: CDMA
Fc: 869 MHz



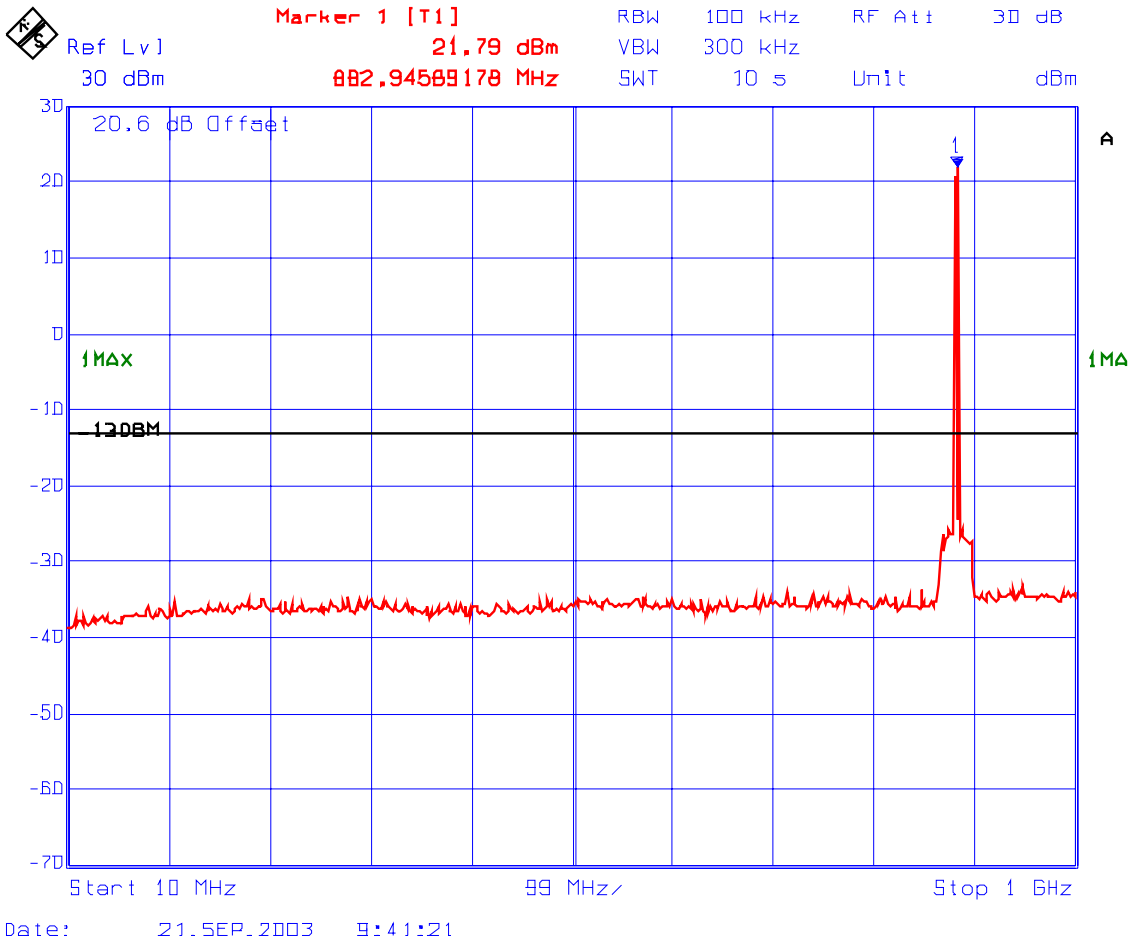
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 325 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: CDMA
Fc: 869 MHz



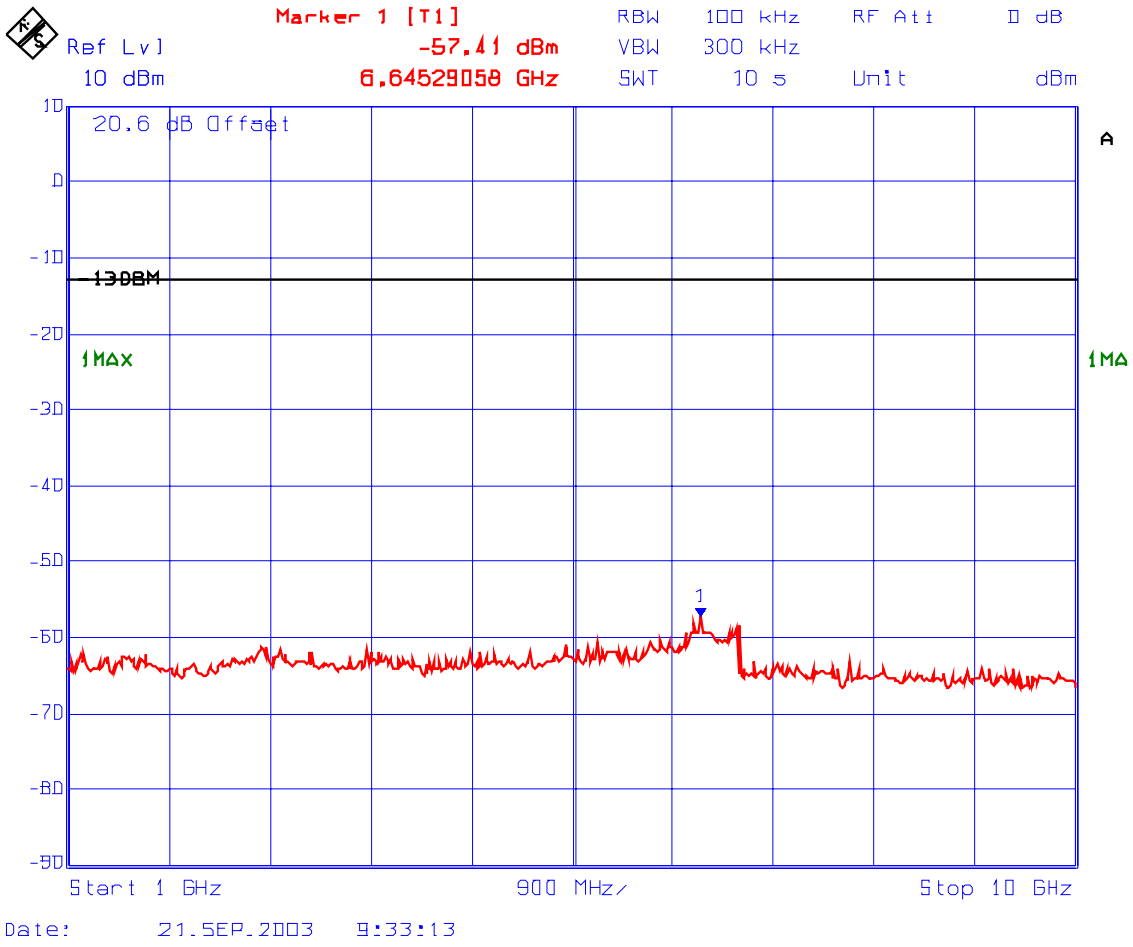
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 326 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: CDMA
Fc: 881.5 MHz



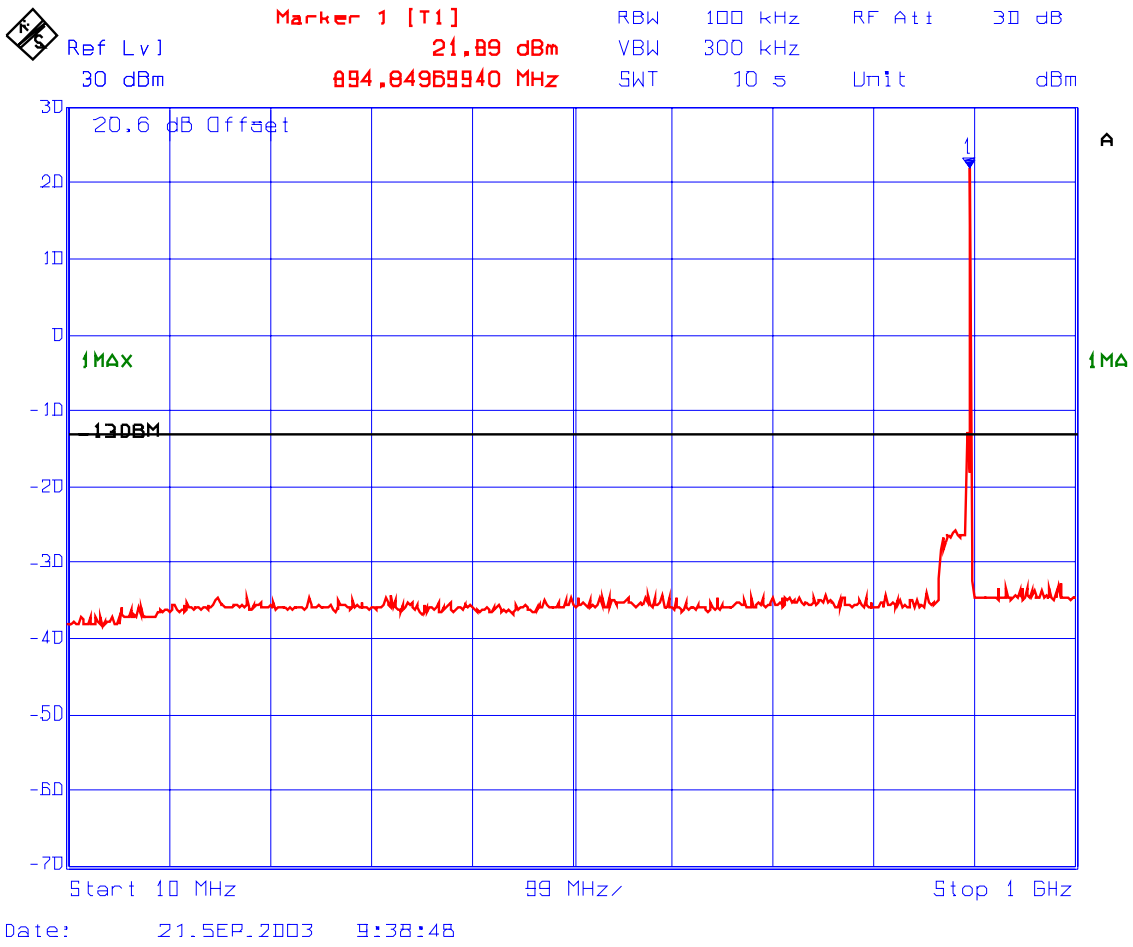
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 327 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: CDMA
Fc: 881.5 MHz



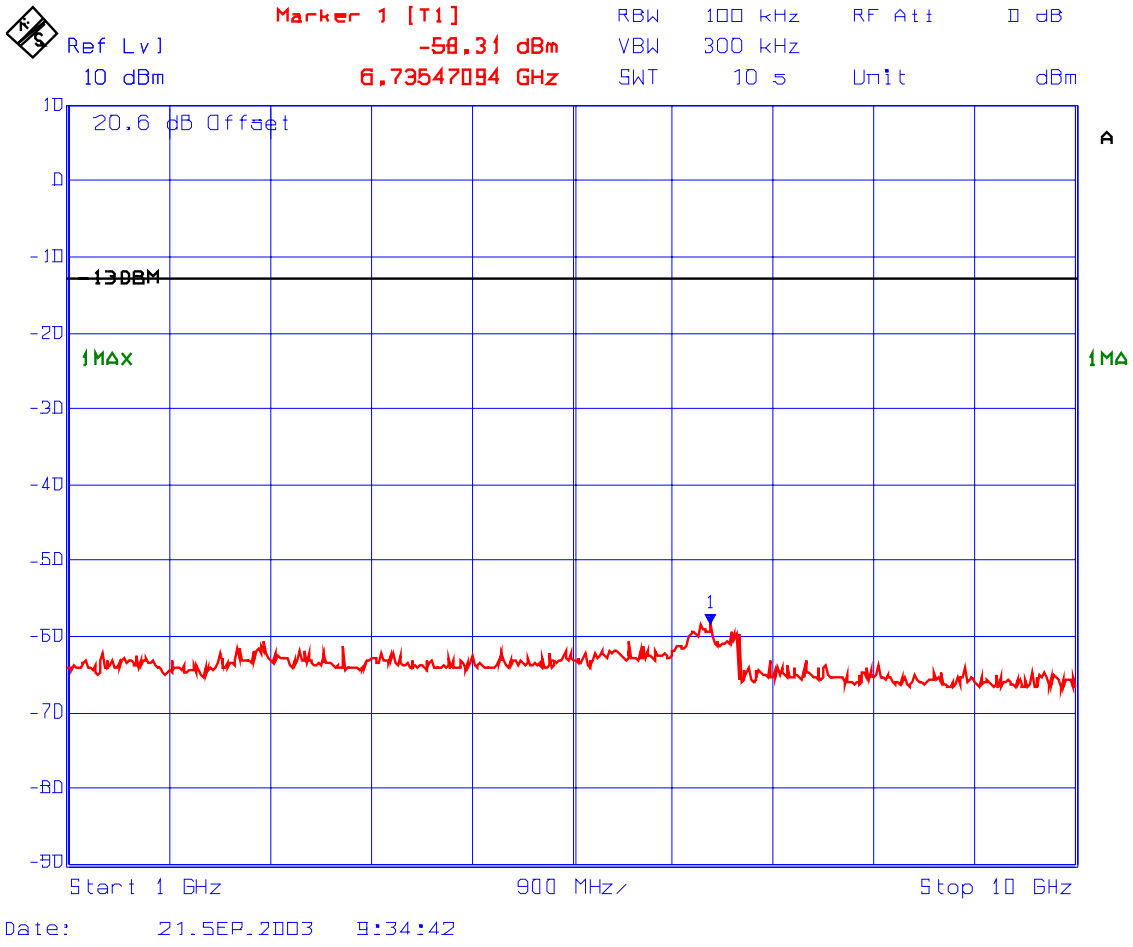
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 328 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: CDMA
Fc: 894 MHz



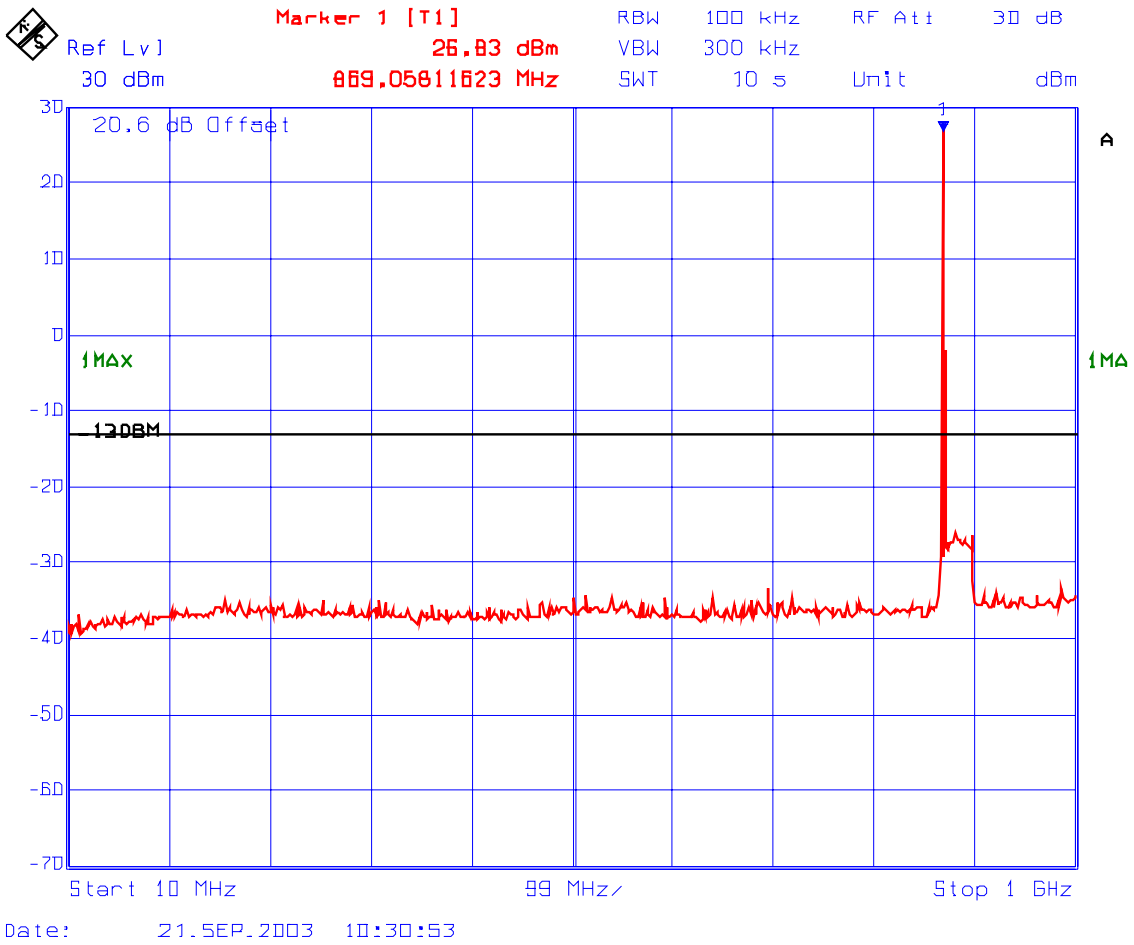
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 329 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: CDMA
Fc: 894 MHz



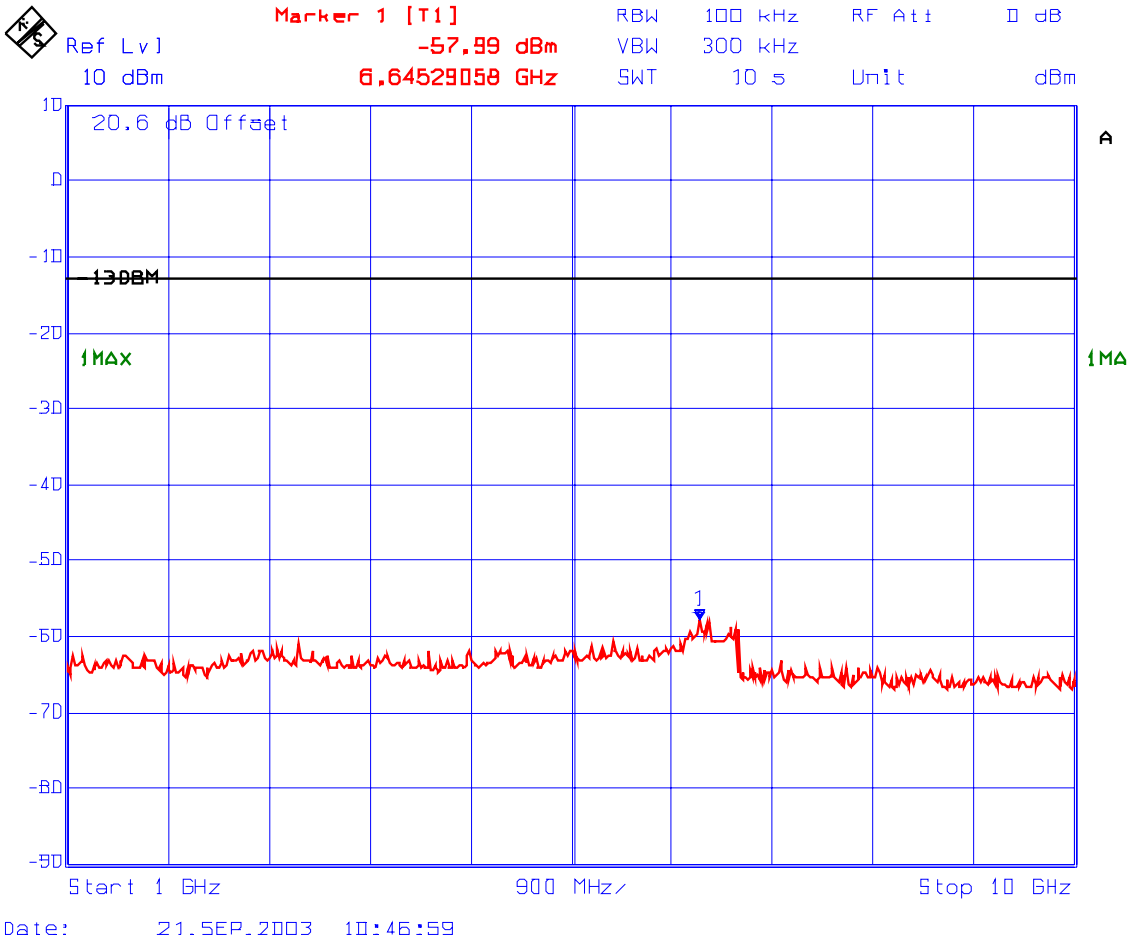
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 330 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: TDMA
Fc: 869 MHz



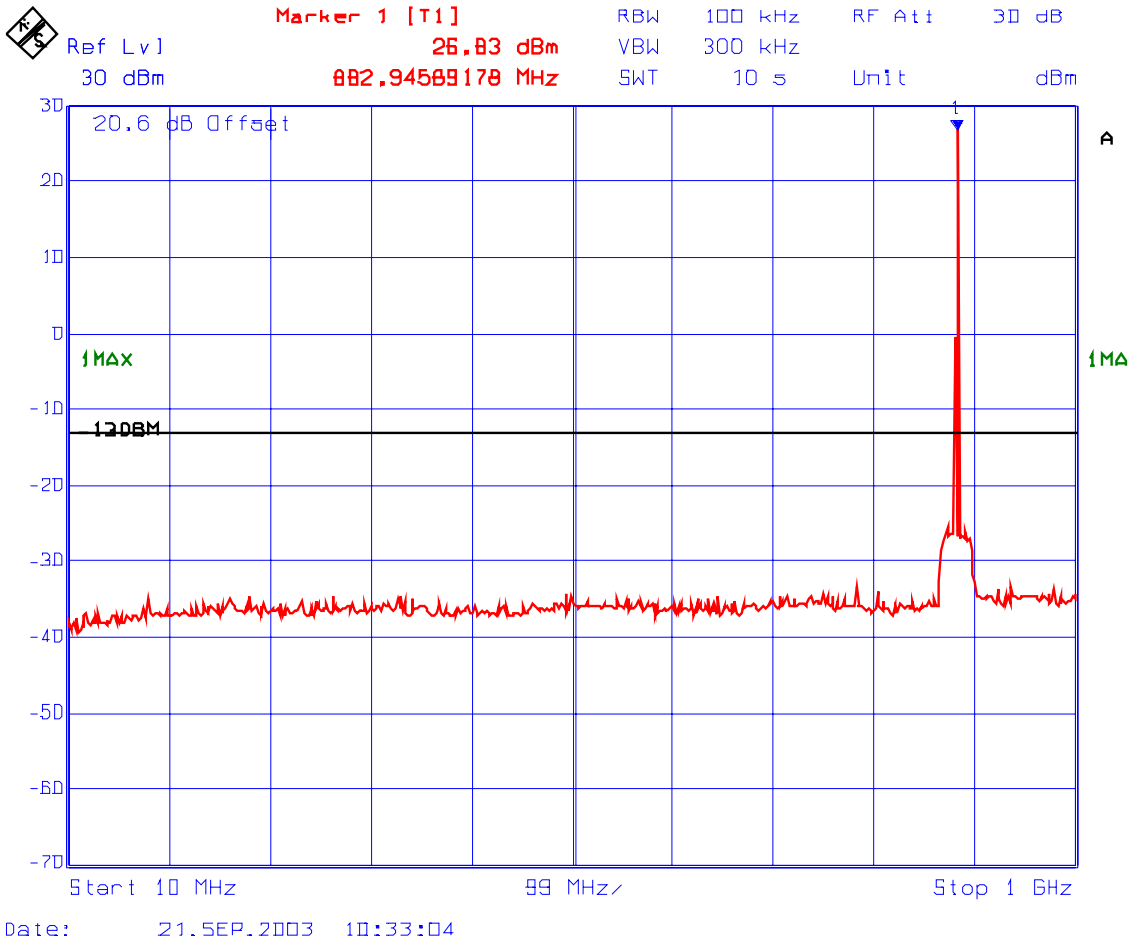
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 331 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: TDMA
Fc: 869 MHz



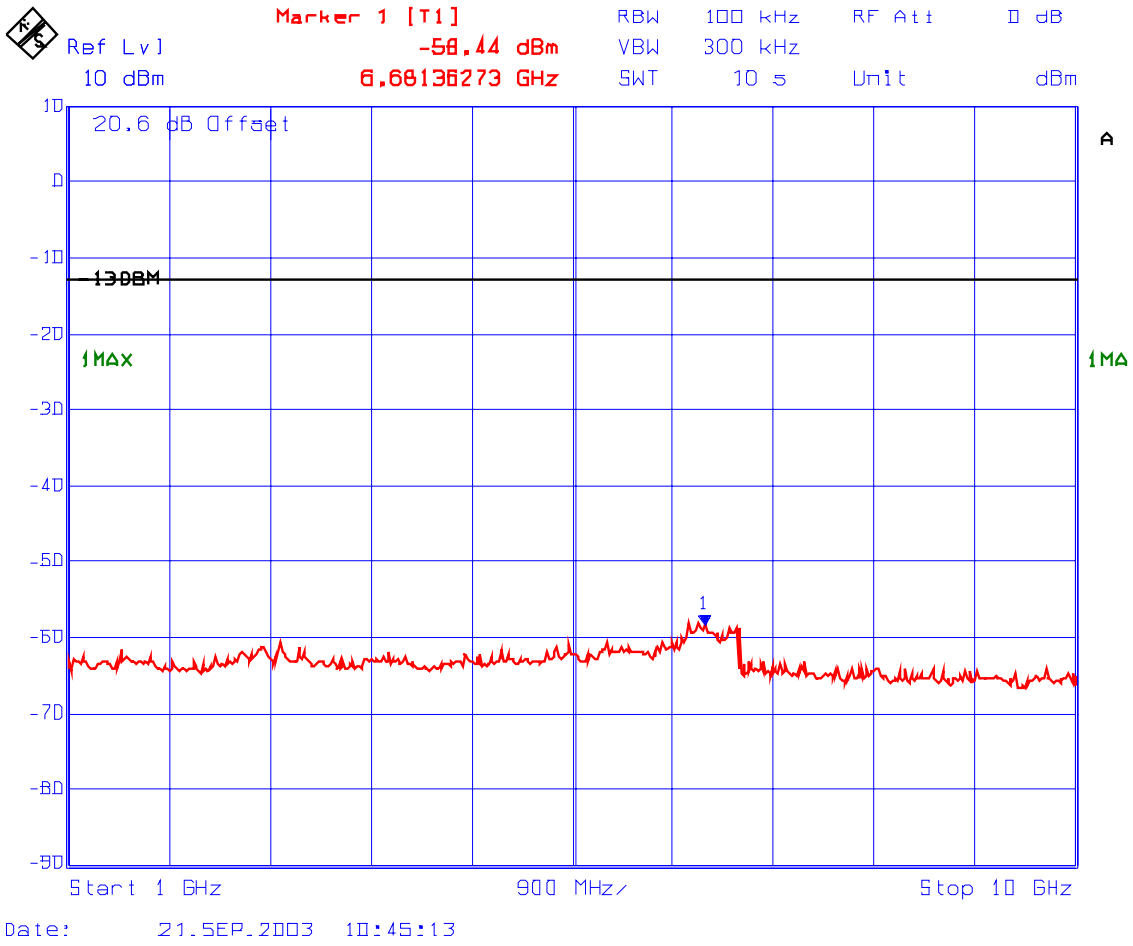
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 332 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: TDMA
Fc: 881.5 MHz



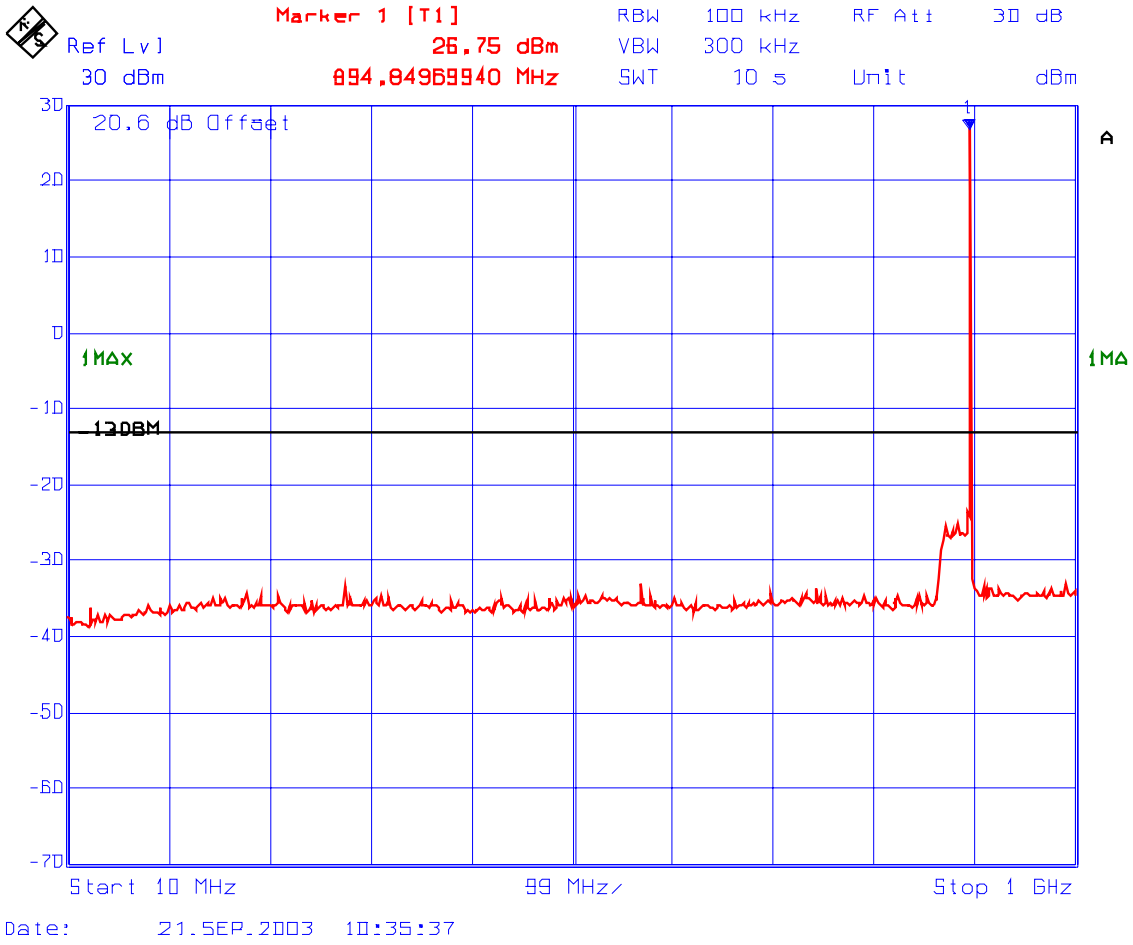
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 333 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: TDMA
Fc: 881.5 MHz



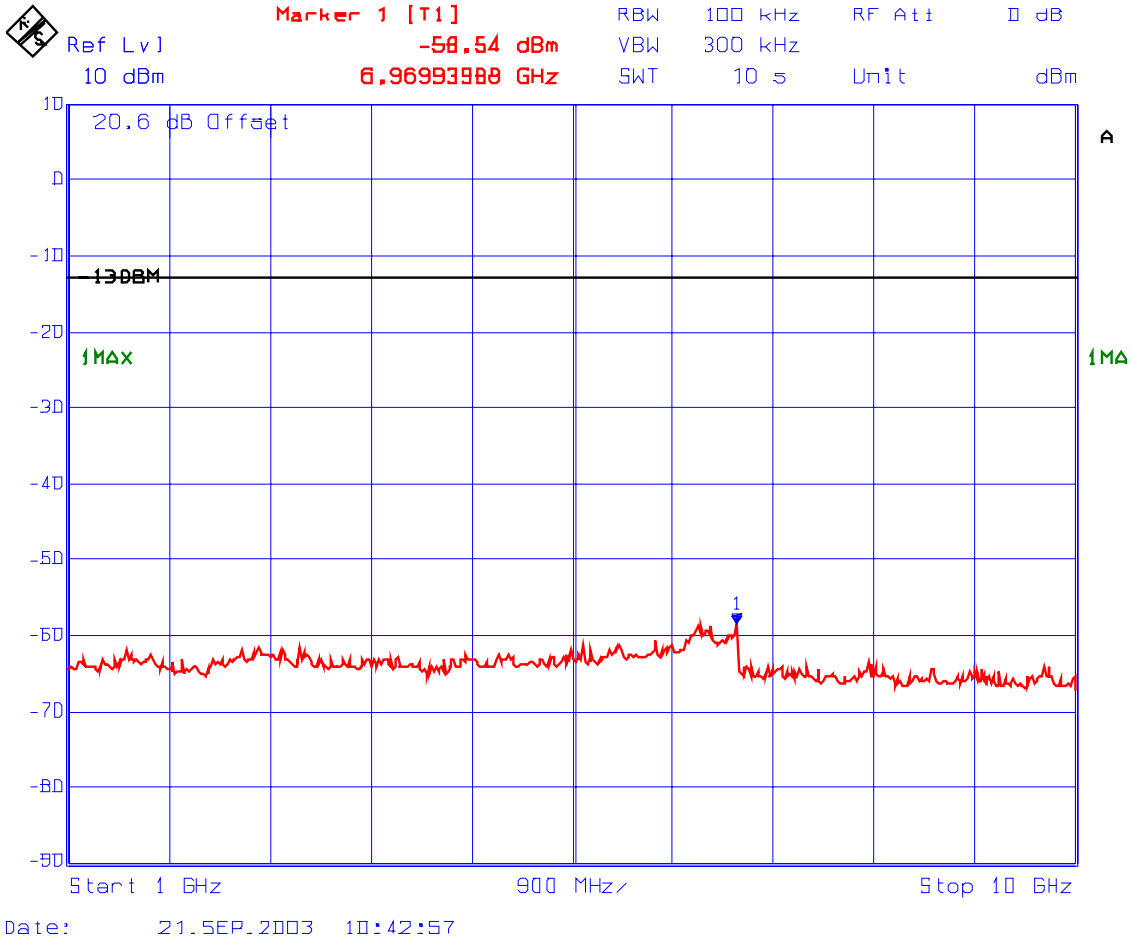
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 334 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: TDMA
Fc: 894 MHz



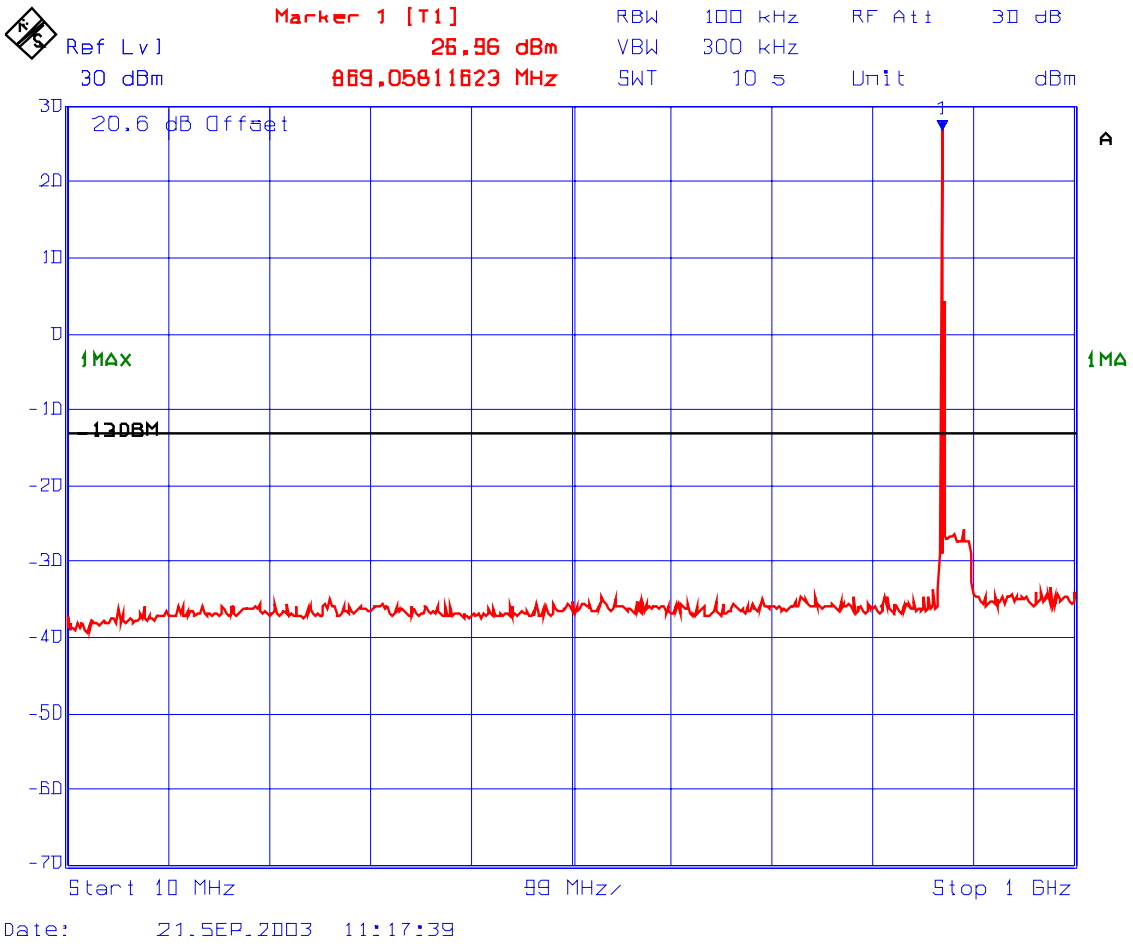
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 335 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: TDMA
Fc: 894 MHz



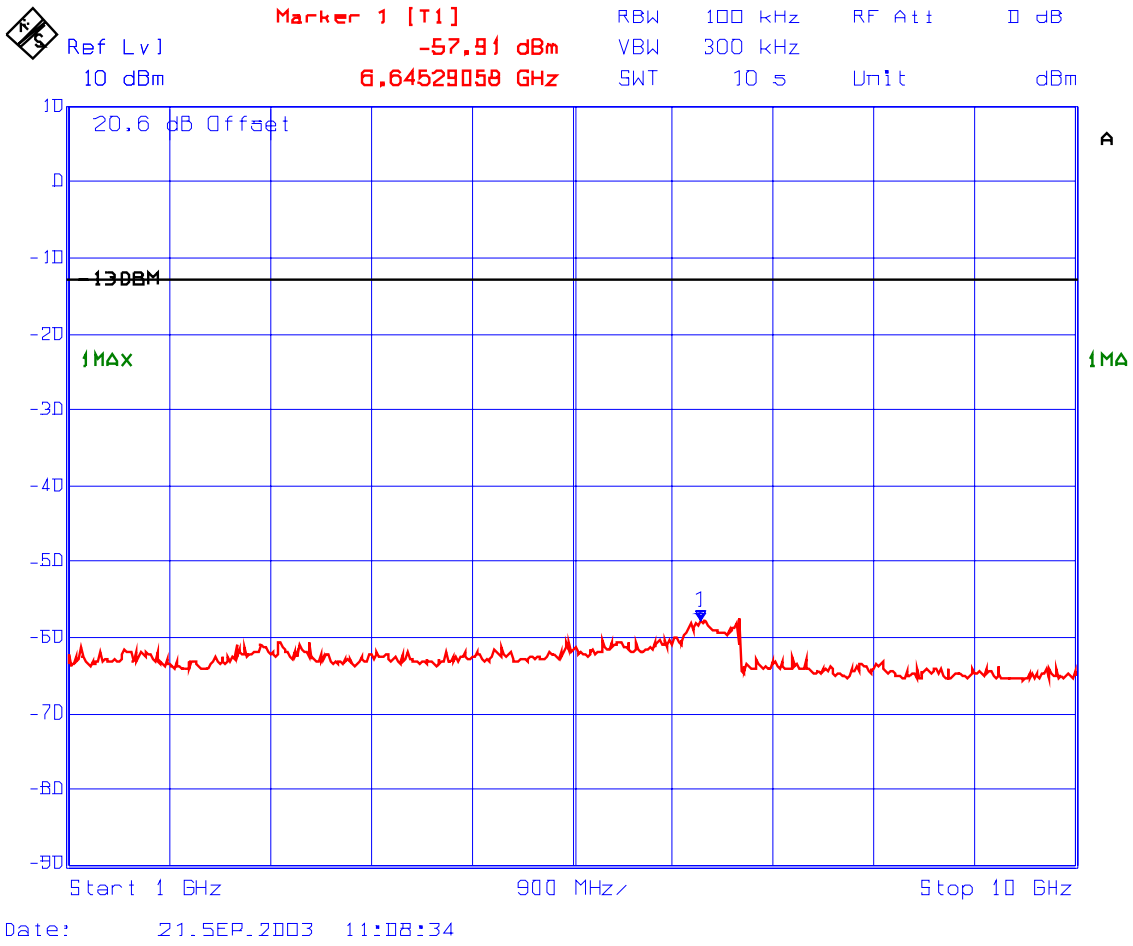
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 336 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: GSM
Fc: 869 MHz



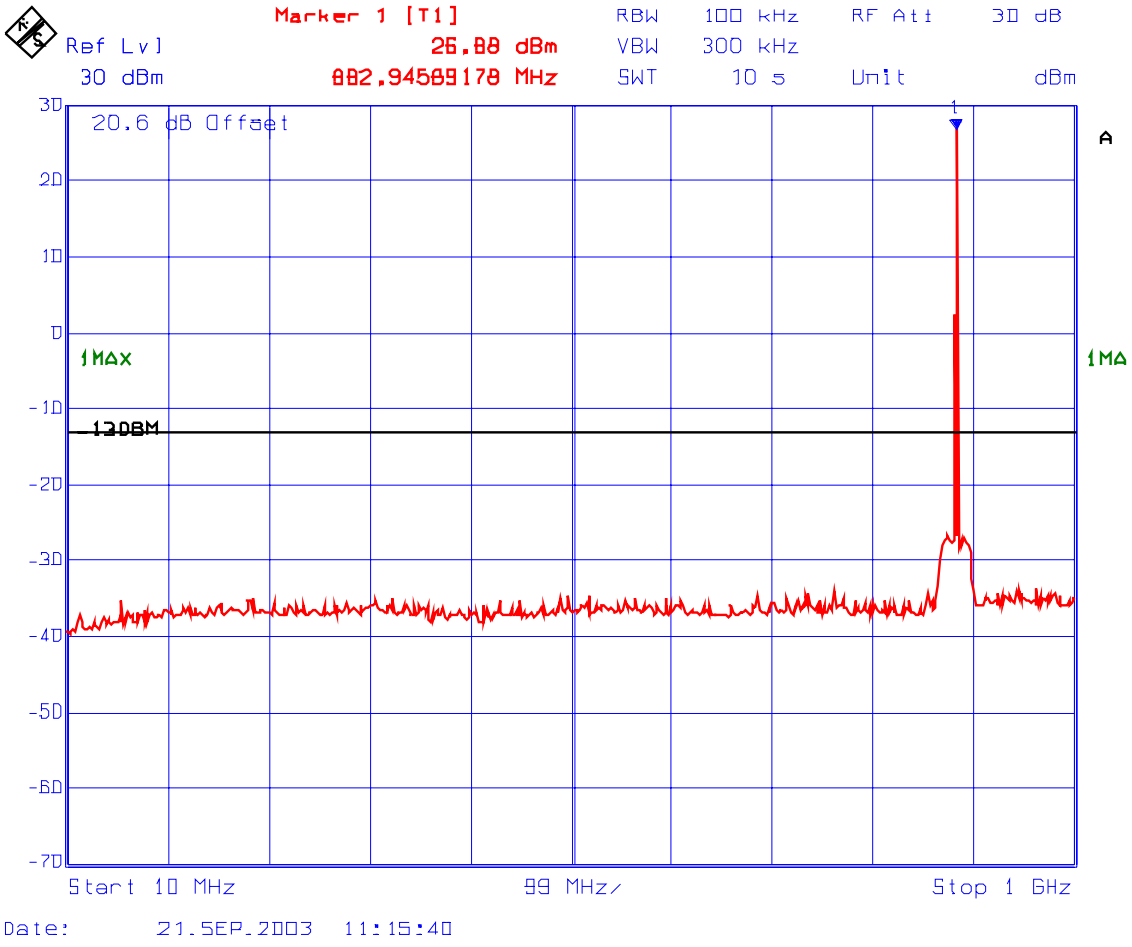
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 337 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: GSM
Fc: 869 MHz



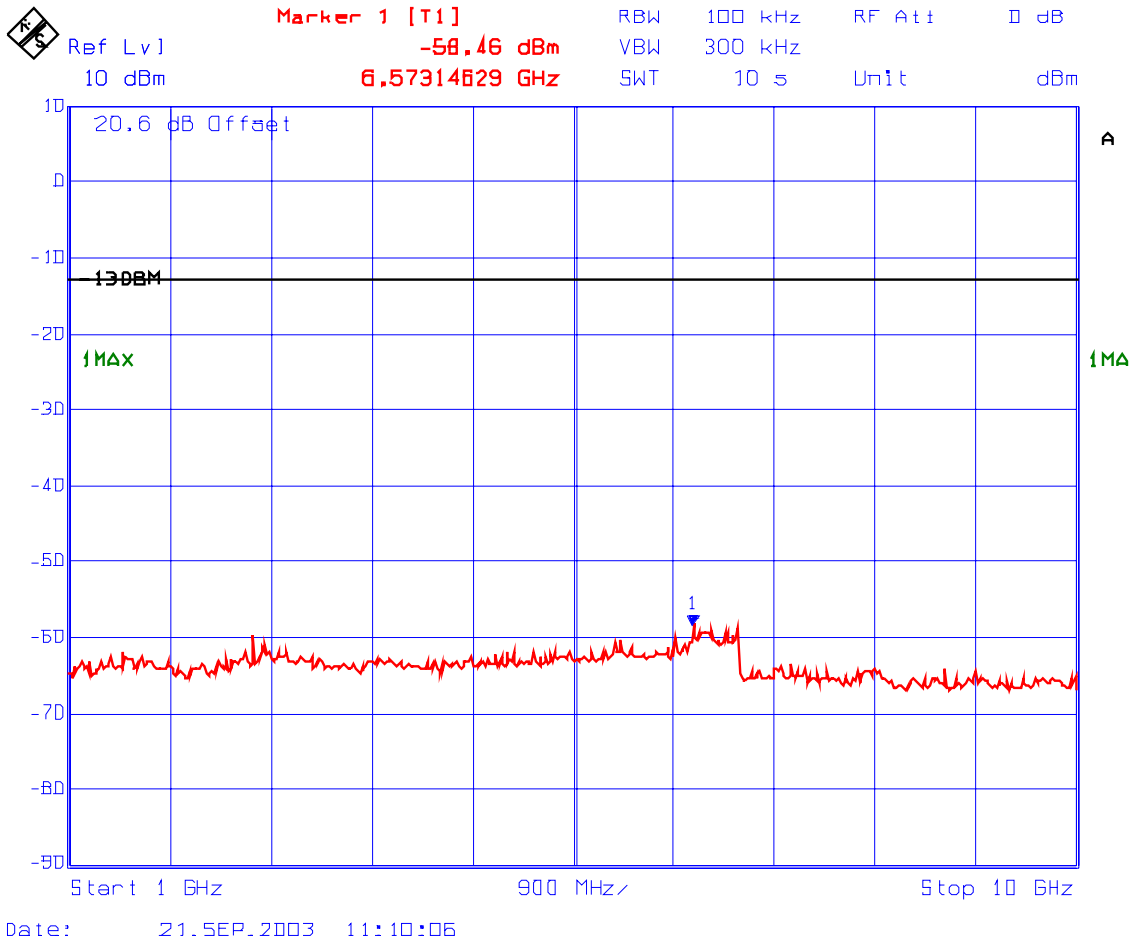
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 338 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: GSM
Fc: 881.5 MHz



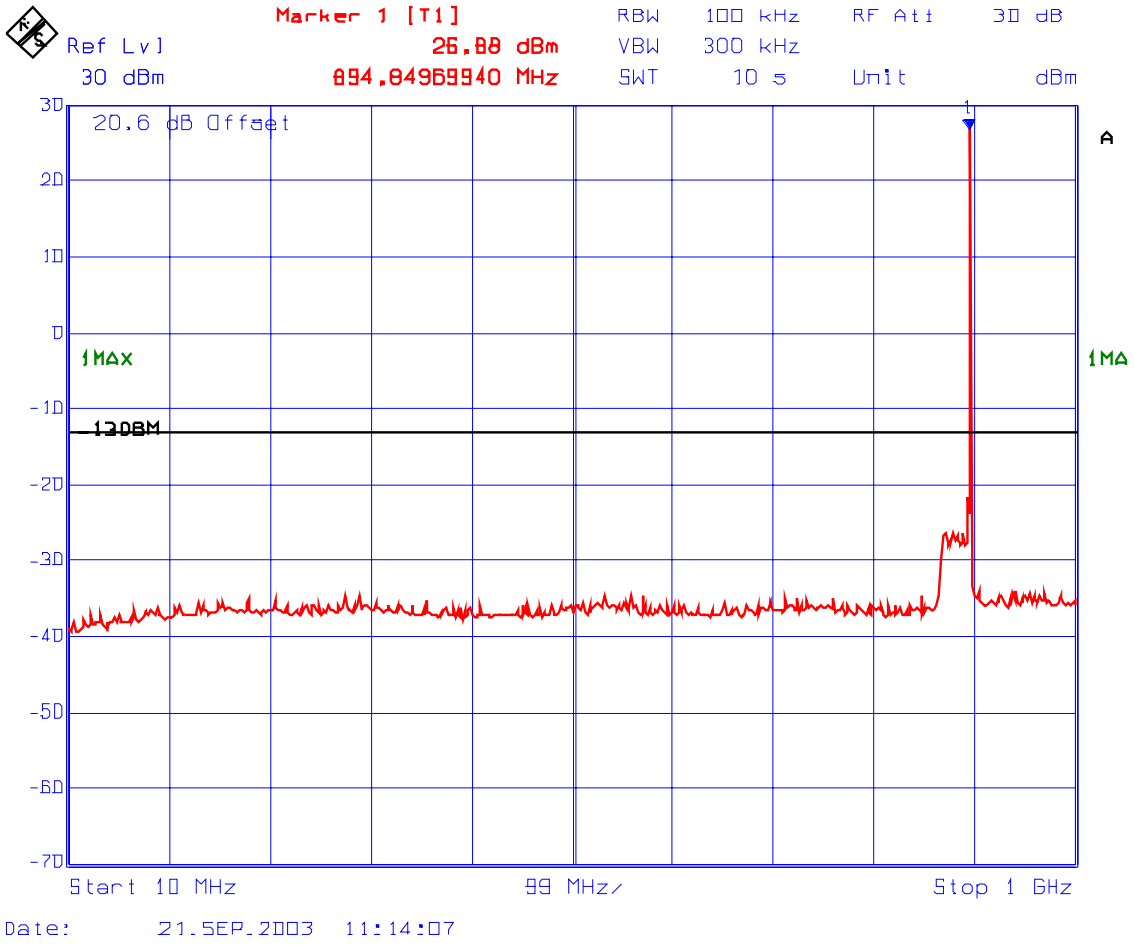
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 339 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: GSM
Fc: 881.5 MHz



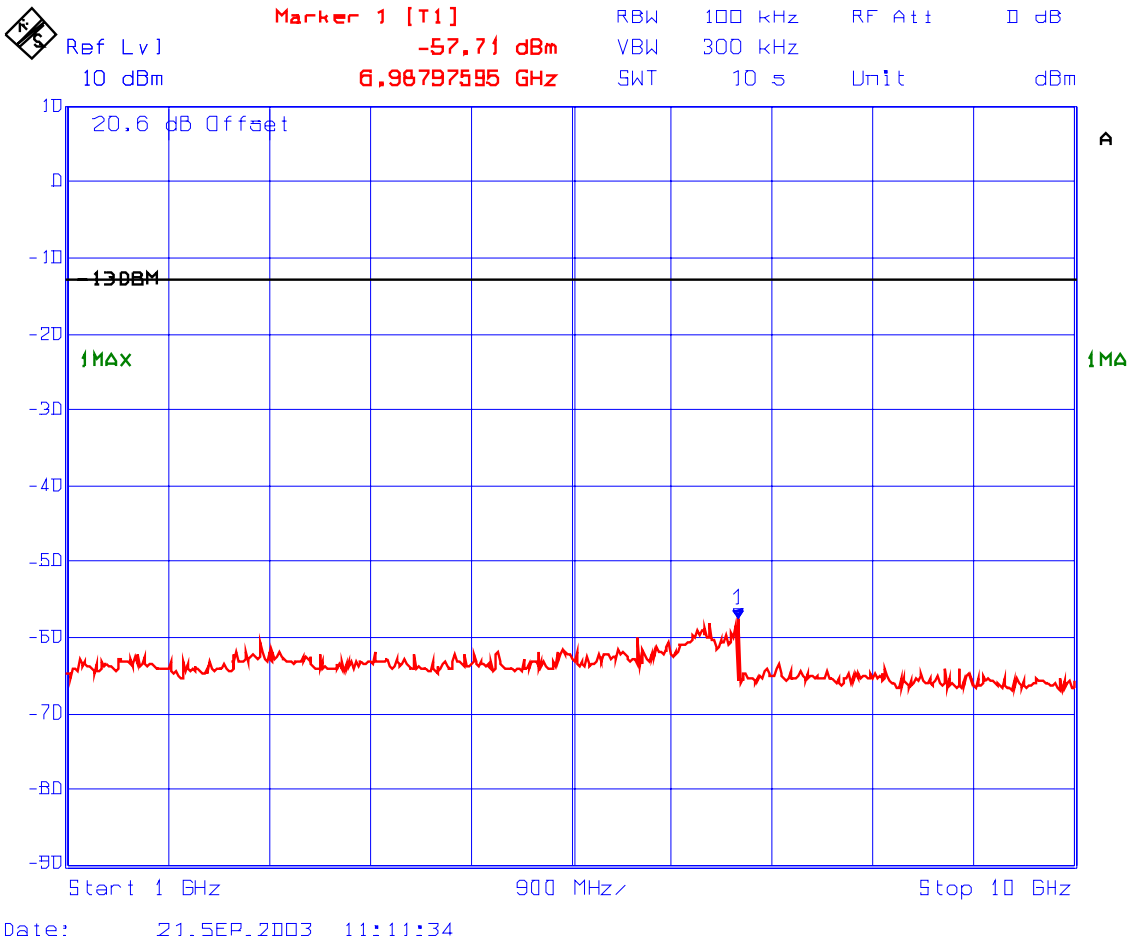
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 340 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: GSM
Fc: 894 MHz



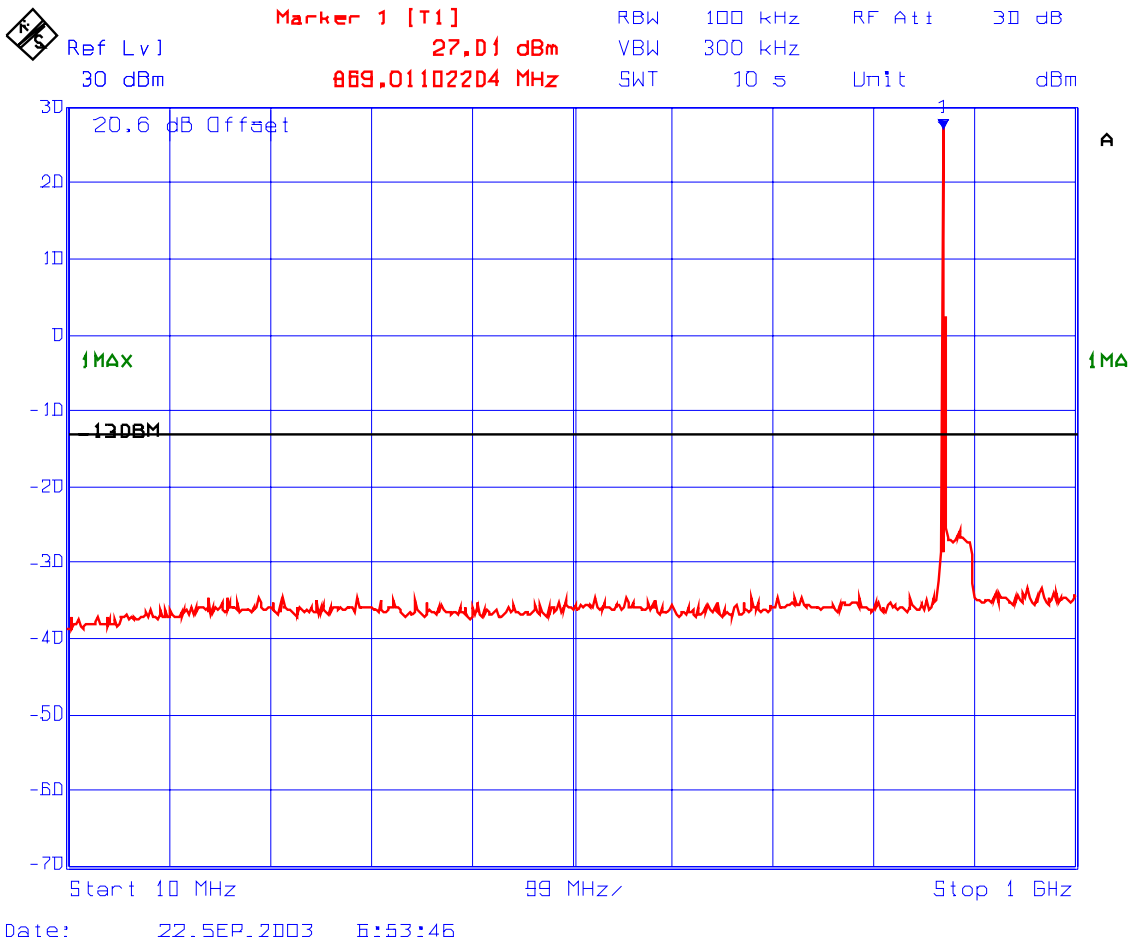
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 341 Spurious Emissions Conducted with 1 RF signal input/output
Modulation: GSM
Fc: 894 MHz



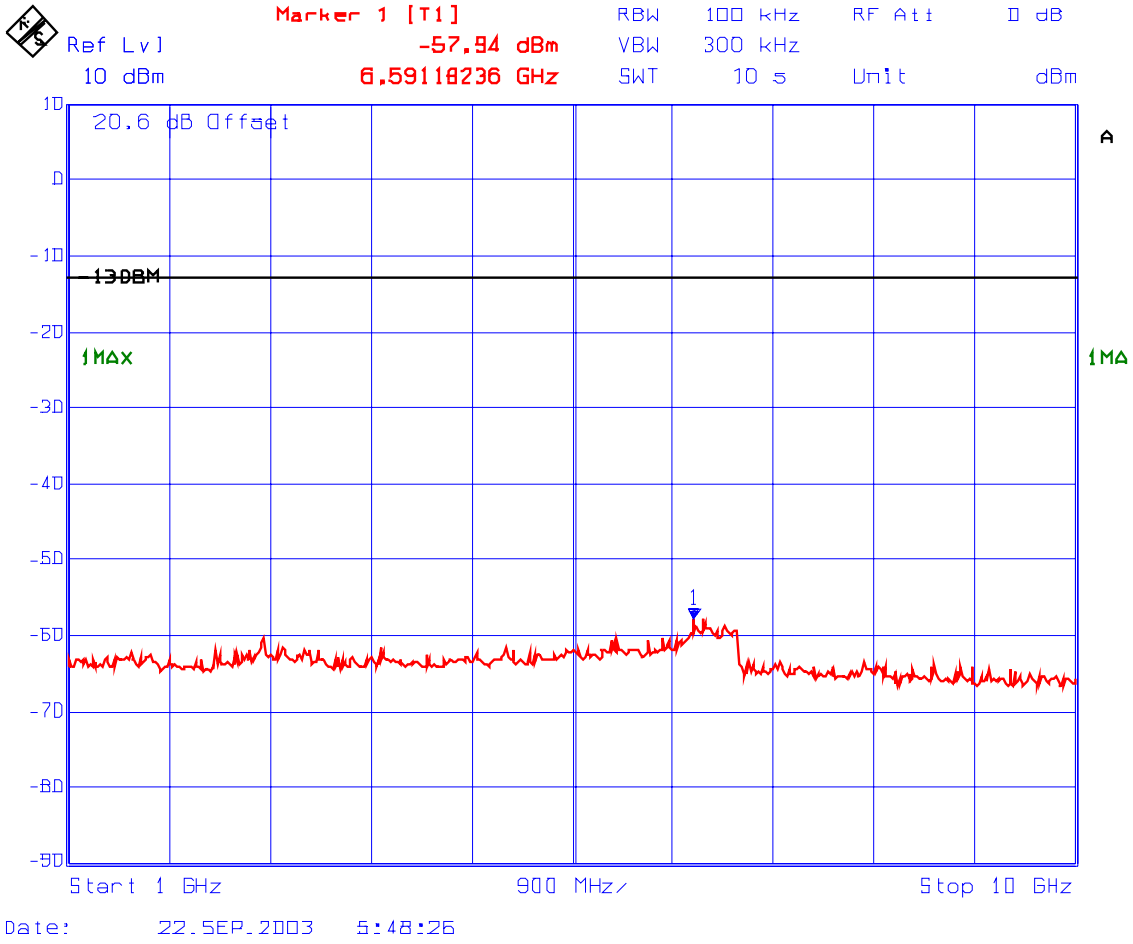
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 342 Spurious Emissions Conducted with 2 RF signal inputs/outputs Fc: 869 MHz, Fc + 30 kHz



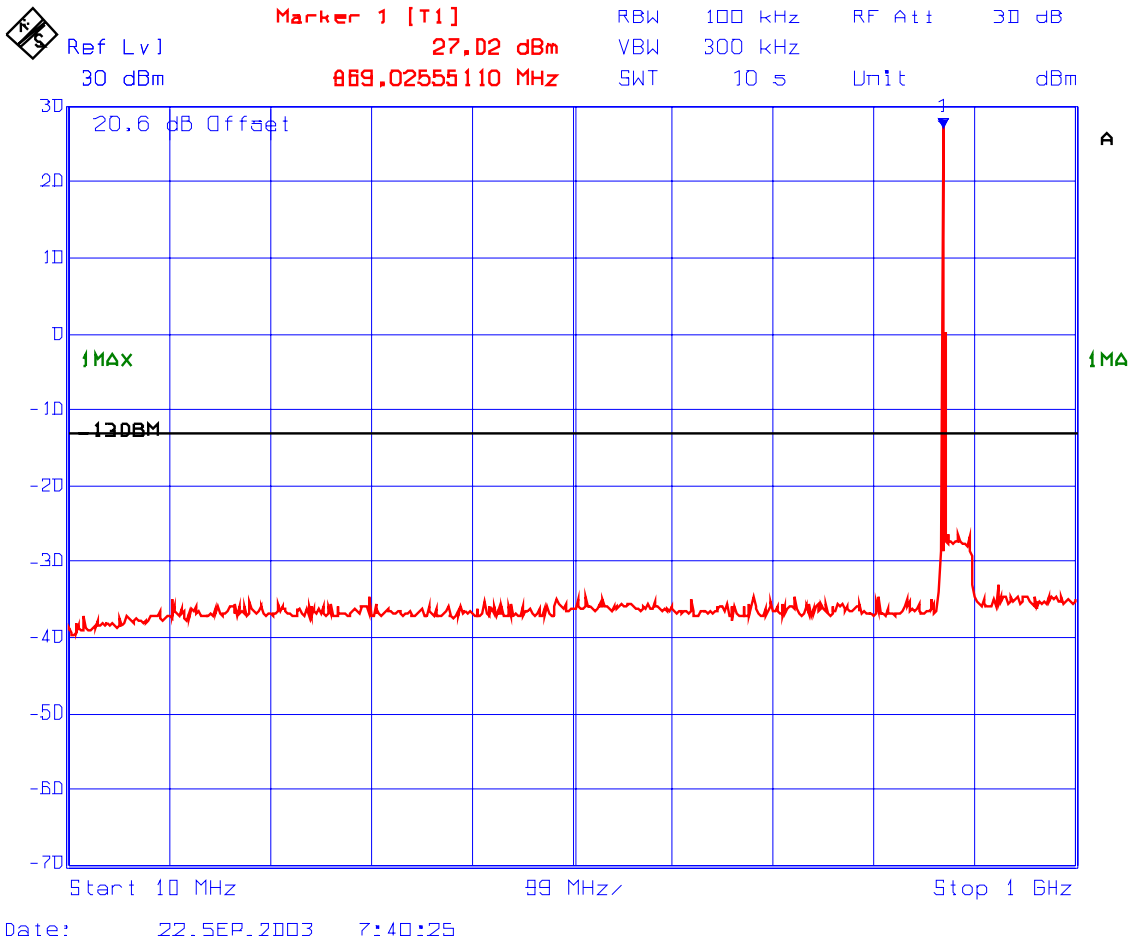
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 343 Spurious Emissions Conducted with 2 RF signal inputs/outputs Fc: 869 MHz, Fc + 30 kHz



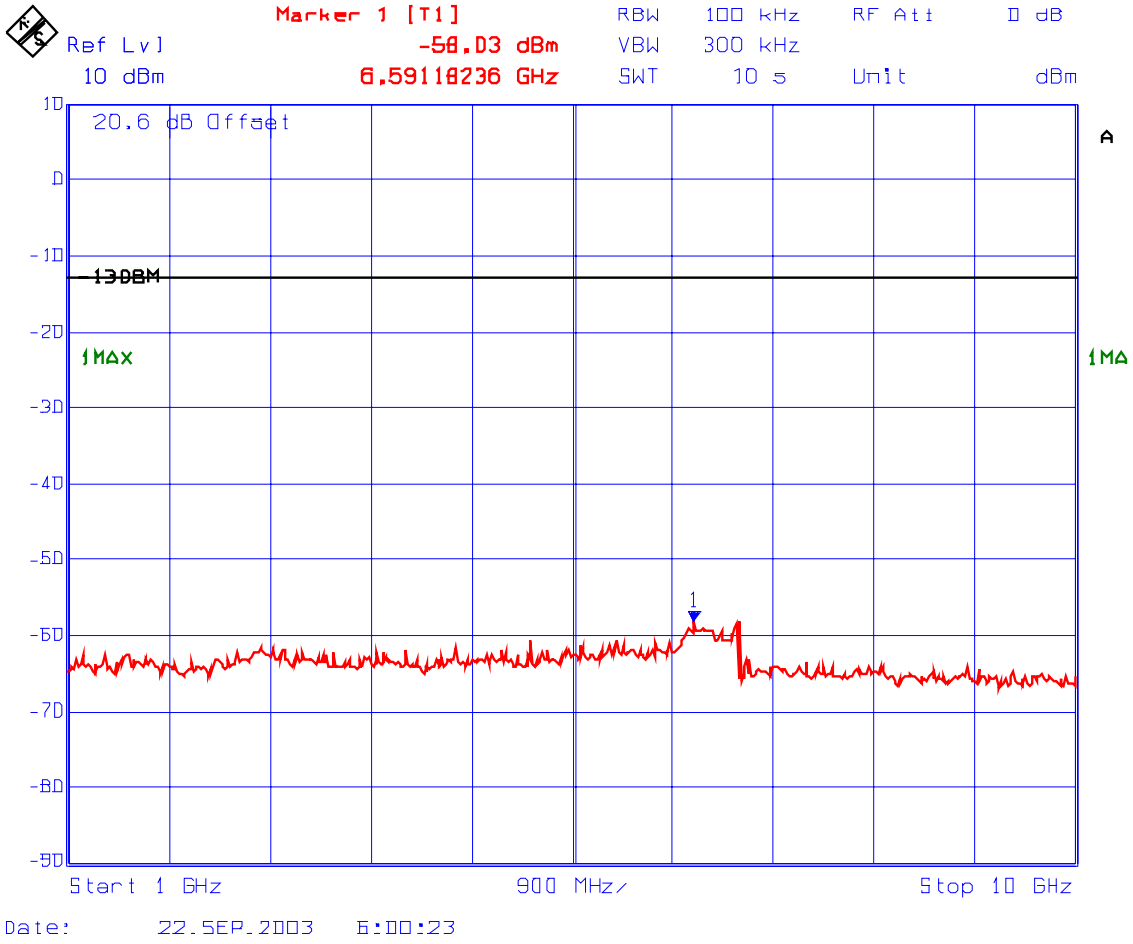
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 344 Spurious Emissions Conducted with 3 RF signal inputs/outputs Fc: 869 MHz, Fc + 30 kHz, Fc + 60 kHz



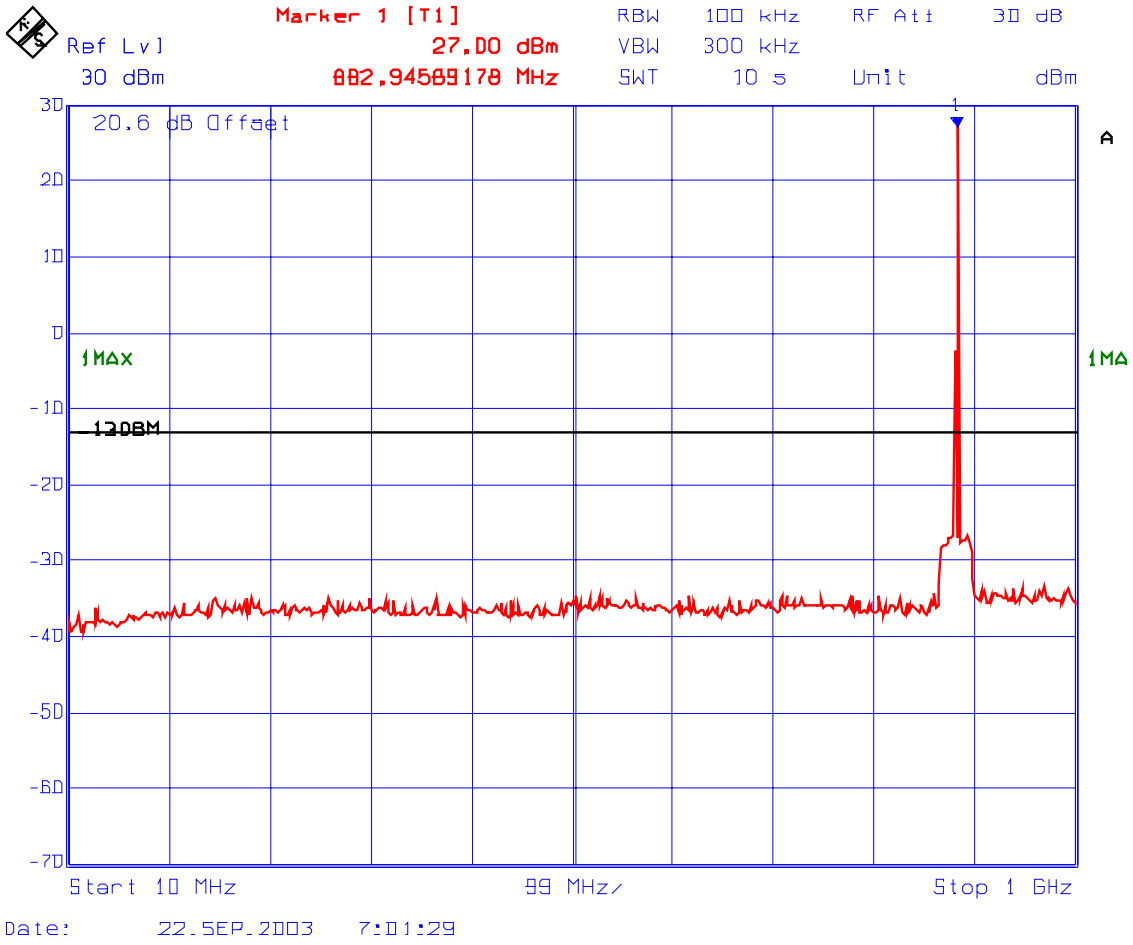
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 345 Spurious Emissions Conducted with 3 RF signal inputs/outputs Fc: 869 MHz, Fc + 30 kHz, Fc + 60 kHz



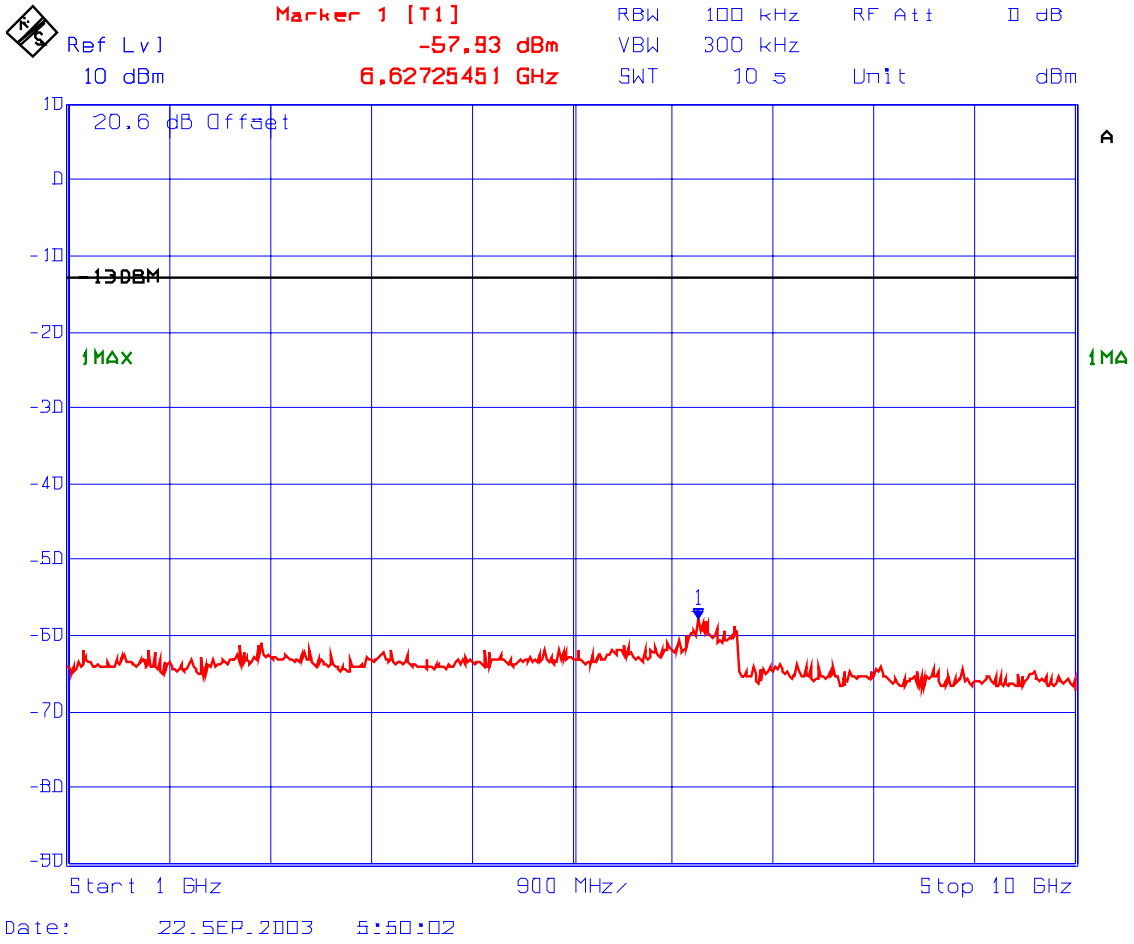
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 346 Spurious Emissions Conducted with 2 RF signal inputs/outputs Fc: 881.5 MHz, Fc + 30 kHz



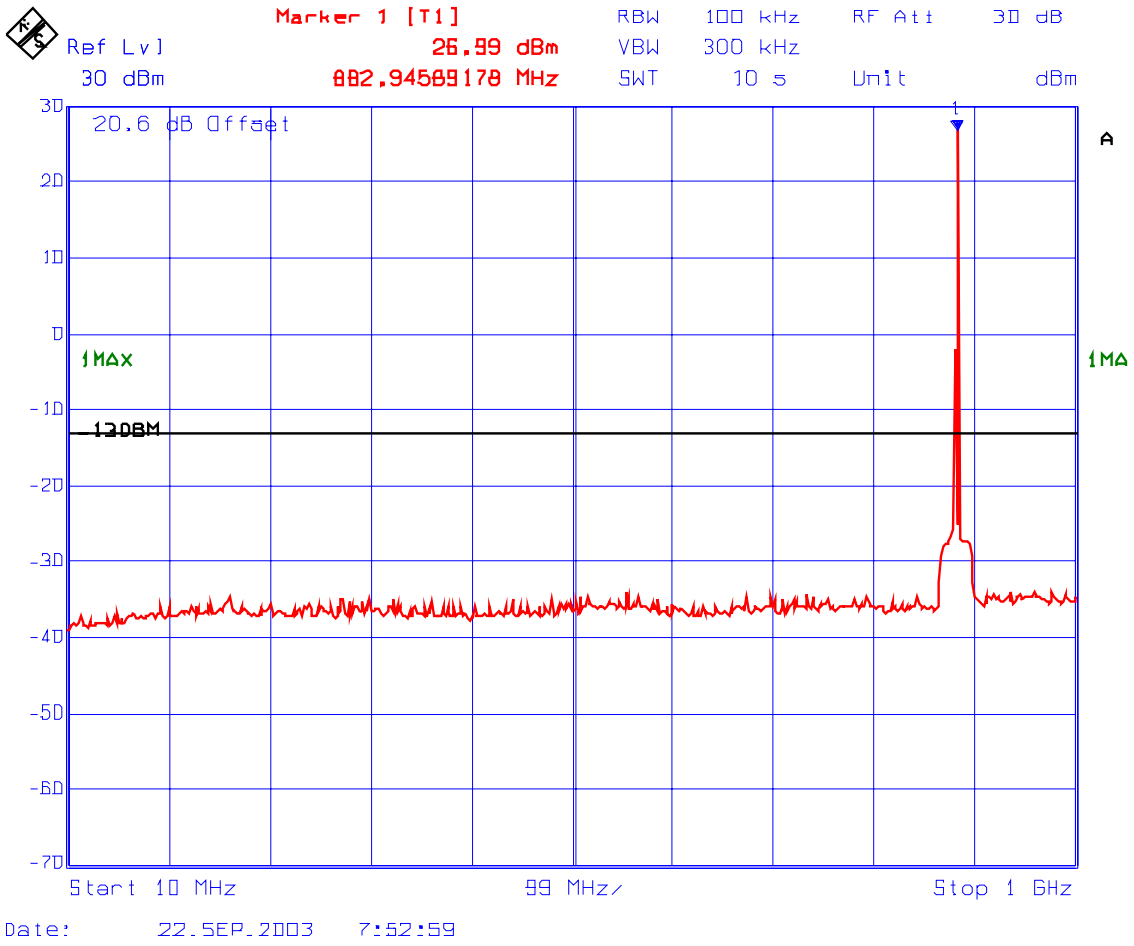
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 347 Spurious Emissions Conducted with 2 RF signal inputs/outputs Fc: 881.5 MHz, Fc + 30 kHz



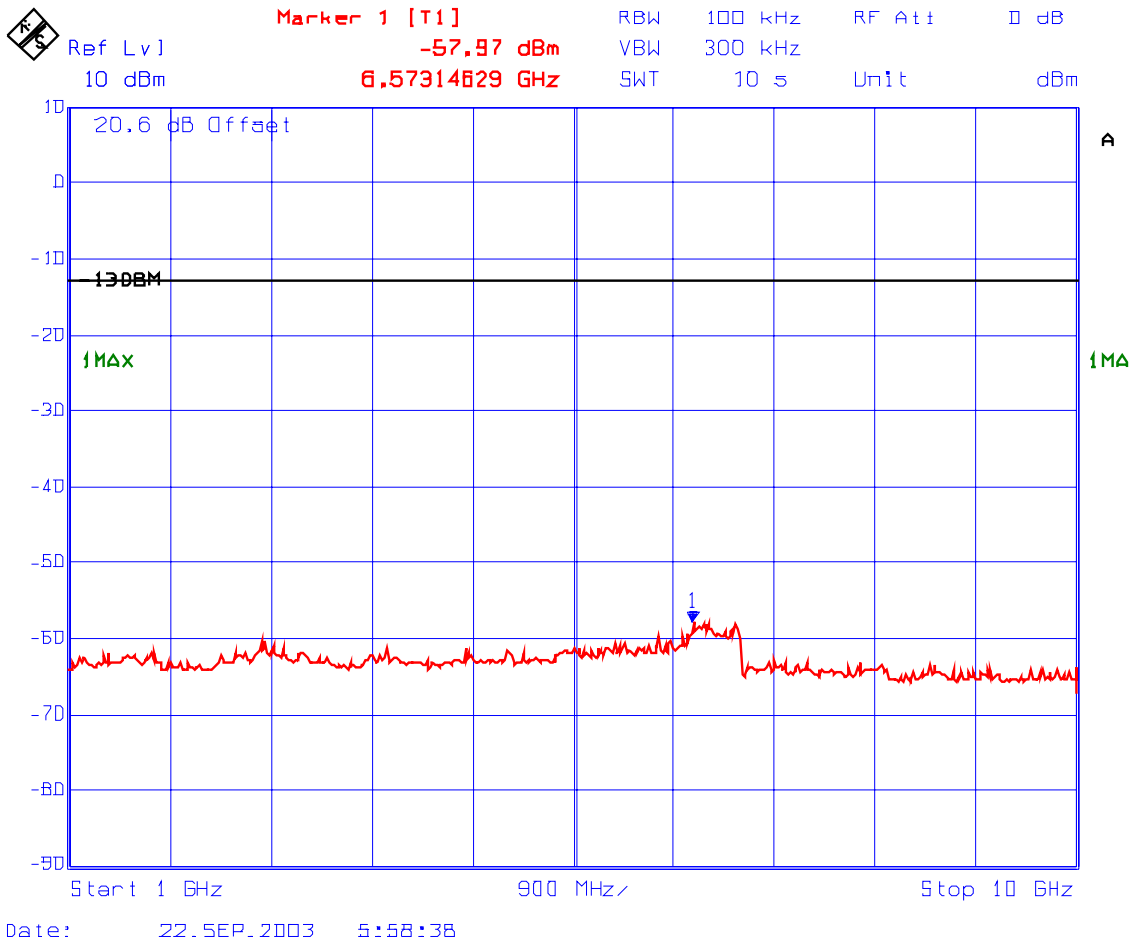
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 348 Spurious Emissions Conducted with 3 RF signal inputs/outputs Fc: 881.5 MHz, Fc - 30 kHz, Fc + 30 kHz



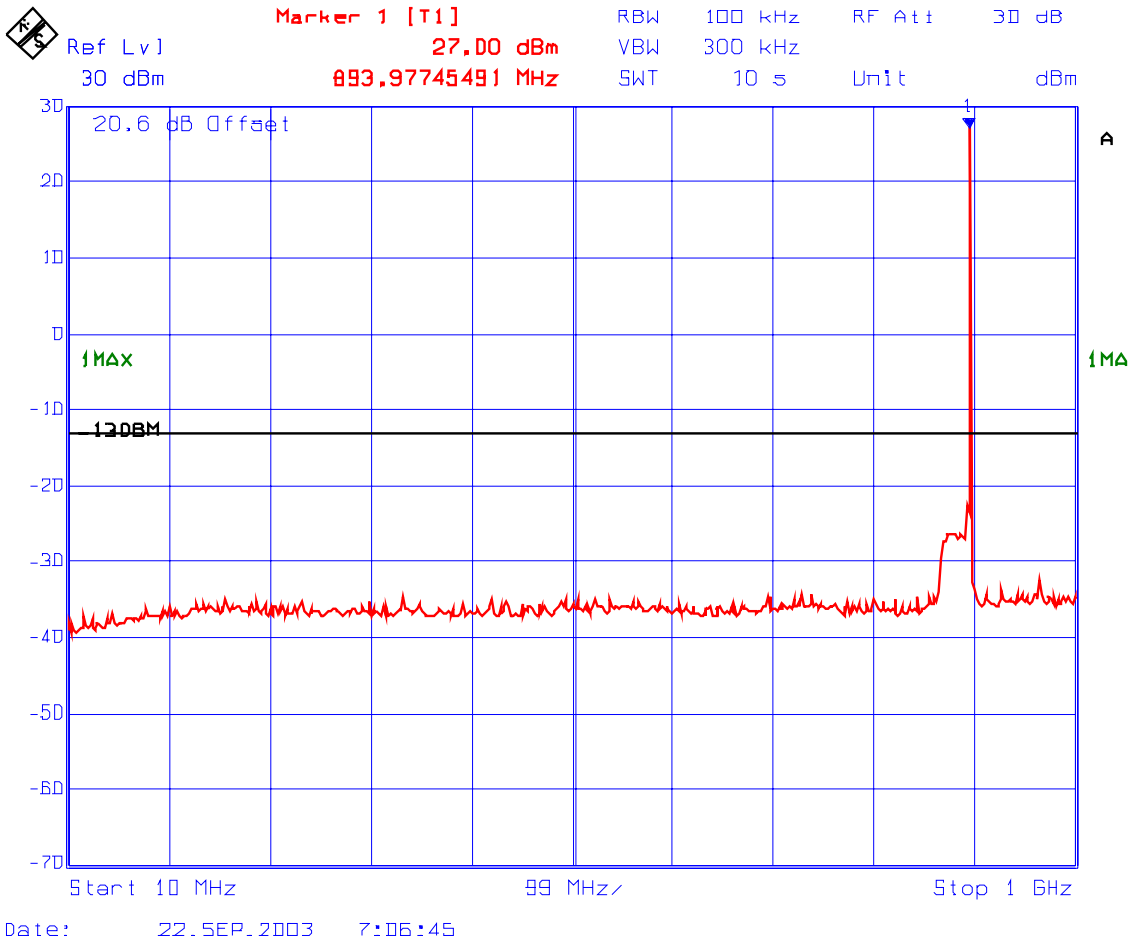
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 349 Spurious Emissions Conducted with 3 RF signal inputs/outputs Fc: 881.5 MHz, Fc - 30 kHz, Fc + 30 kHz



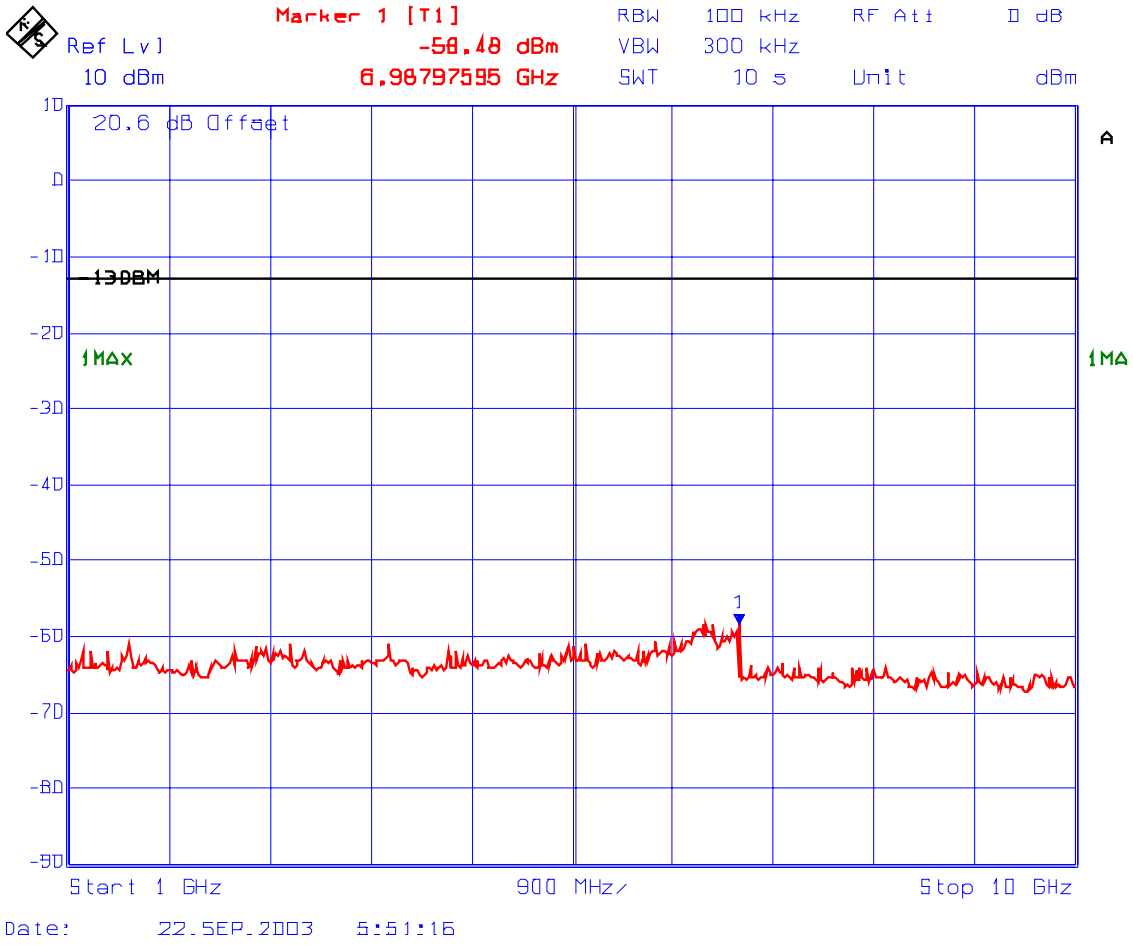
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 350 Spurious Emissions Conducted with 2 RF signal inputs/outputs Fc: 894 MHz, Fc - 30 kHz



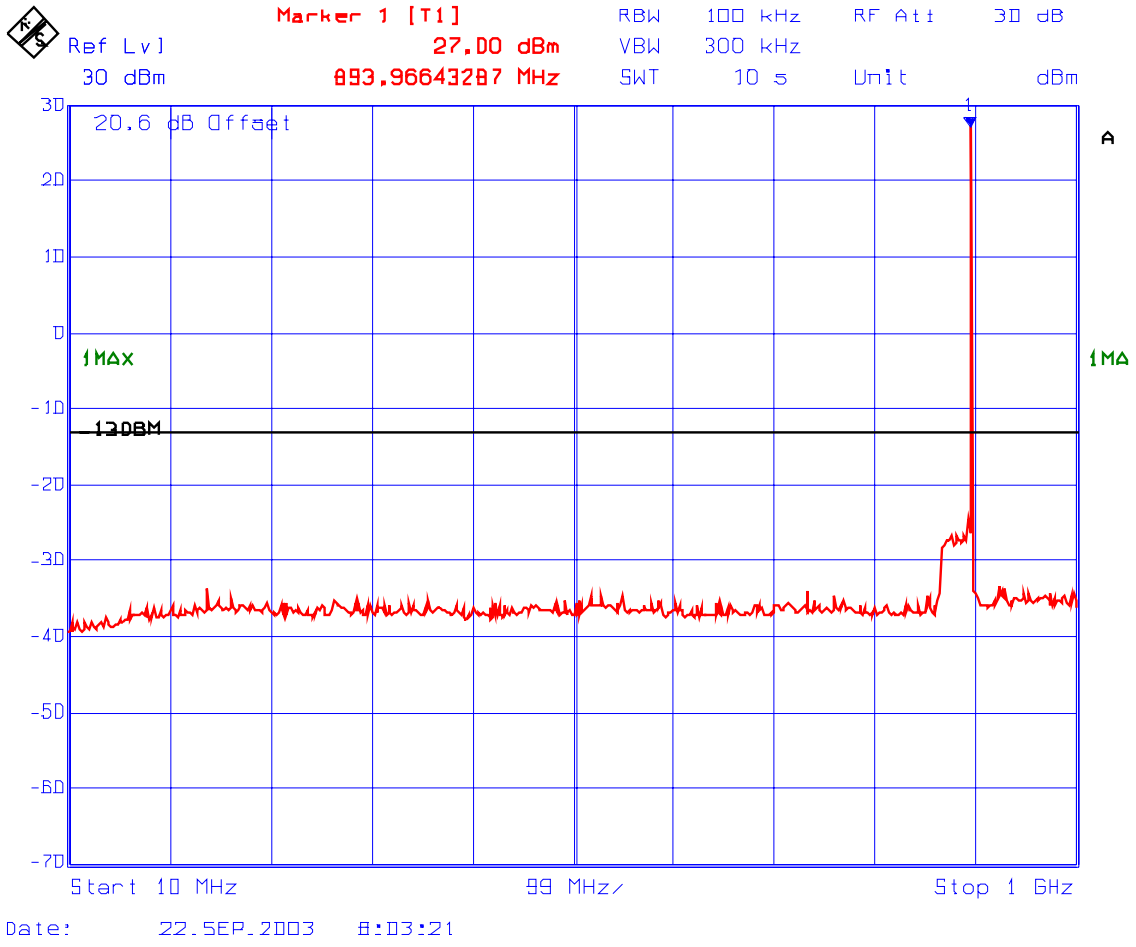
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 351 Spurious Emissions Conducted with 2 RF signal inputs/outputs Fc: 894 MHz, Fc - 30 kHz



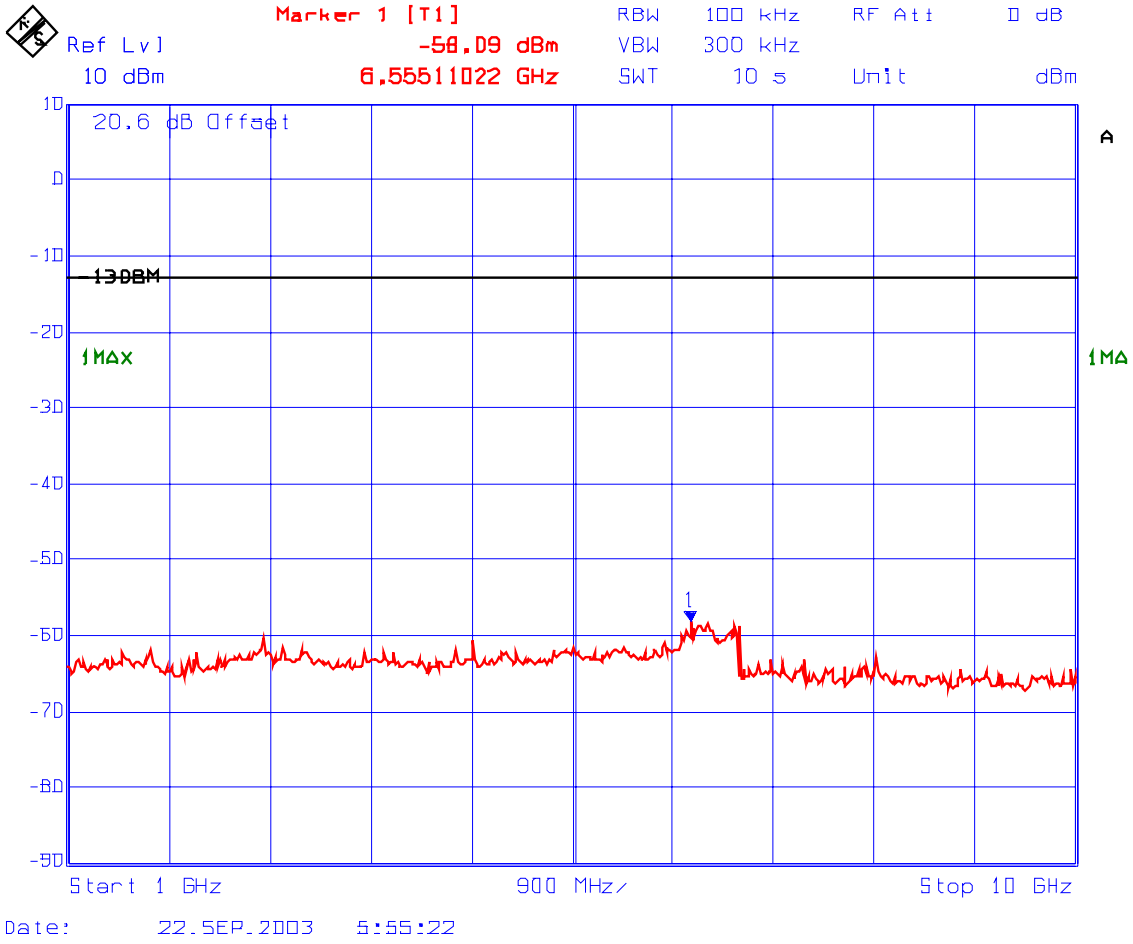
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 352 Spurious Emissions Conducted with 3 RF signal inputs/outputs Fc: 894 MHz, Fc - 30 kHz, Fc – 60 kHz



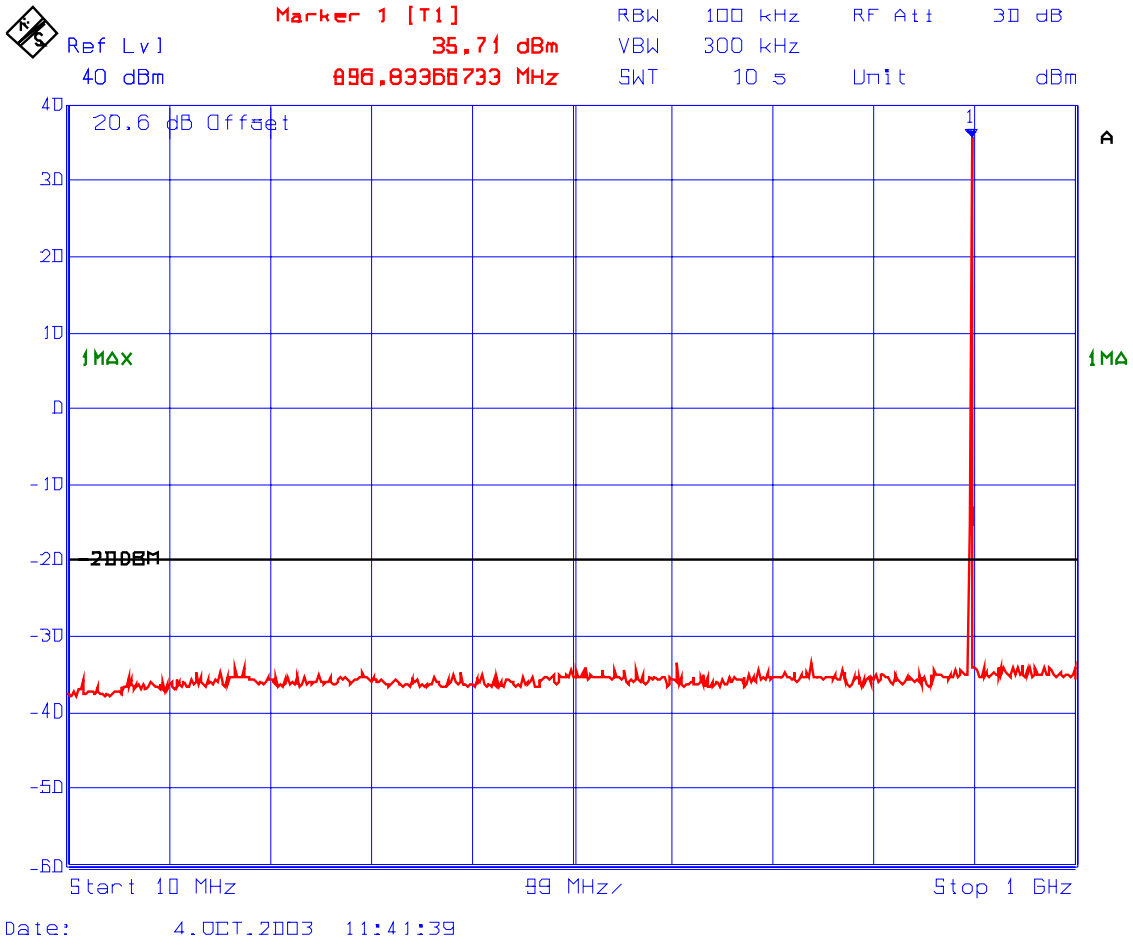
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 353 Spurious Emissions Conducted with 3 RF signal inputs/outputs Fc: 894 MHz, Fc - 30 kHz, Fc – 60 kHz



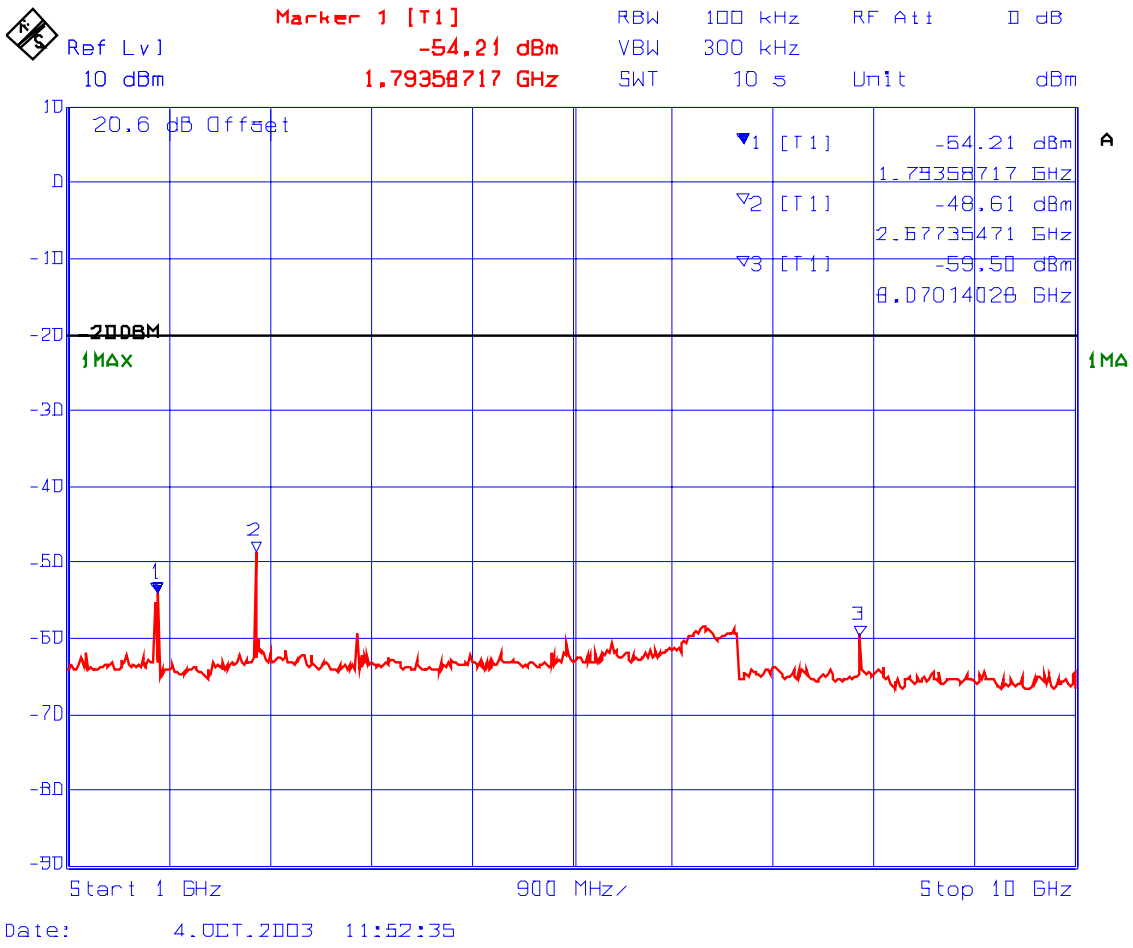
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 354 Spurious Emissions Conducted with 1 RF signal input/output Fc: 896 MHz



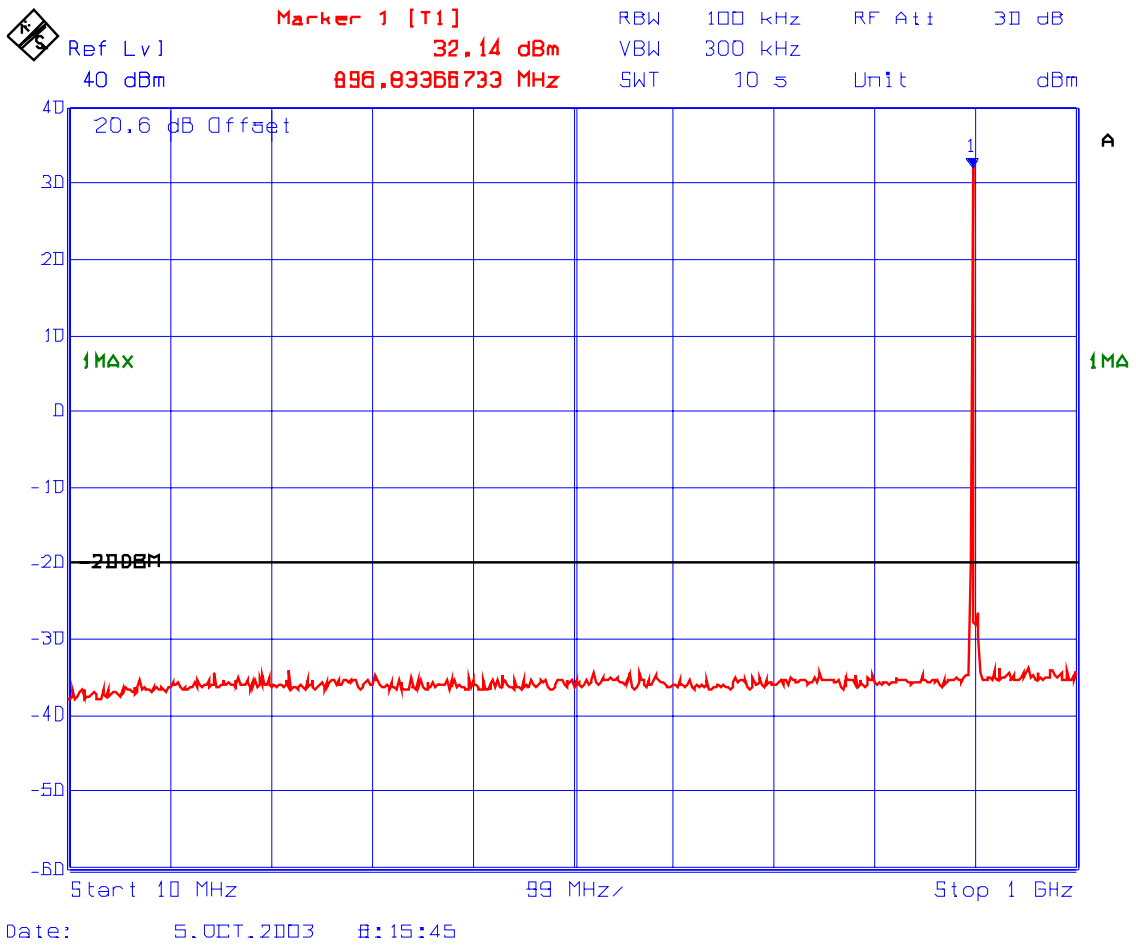
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 355 Spurious Emissions Conducted with 1 RF signal input/output
Fc: 896 MHz



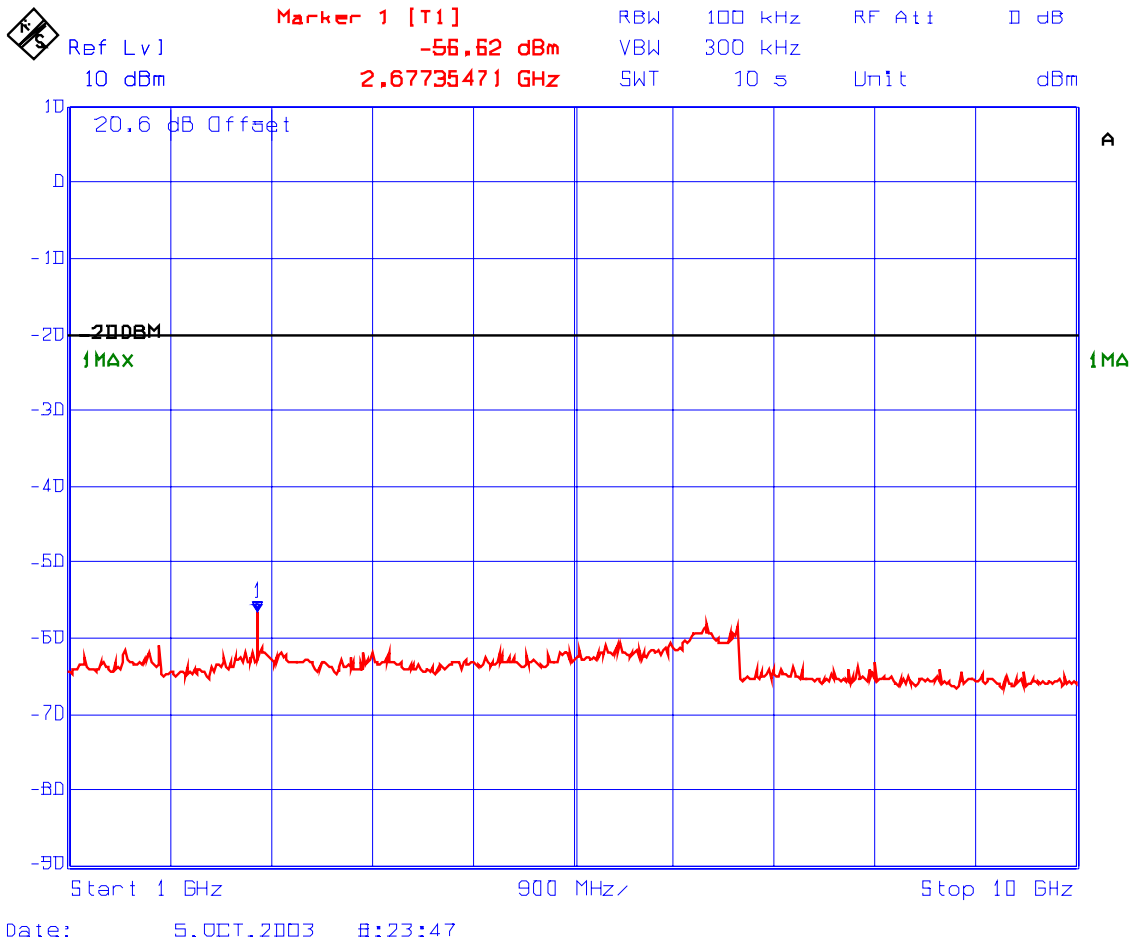
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 356 Spurious Emissions conducted with 2 RF signal inputs/outputs Fc: 896 MHz, Fc + 12.5 kHz



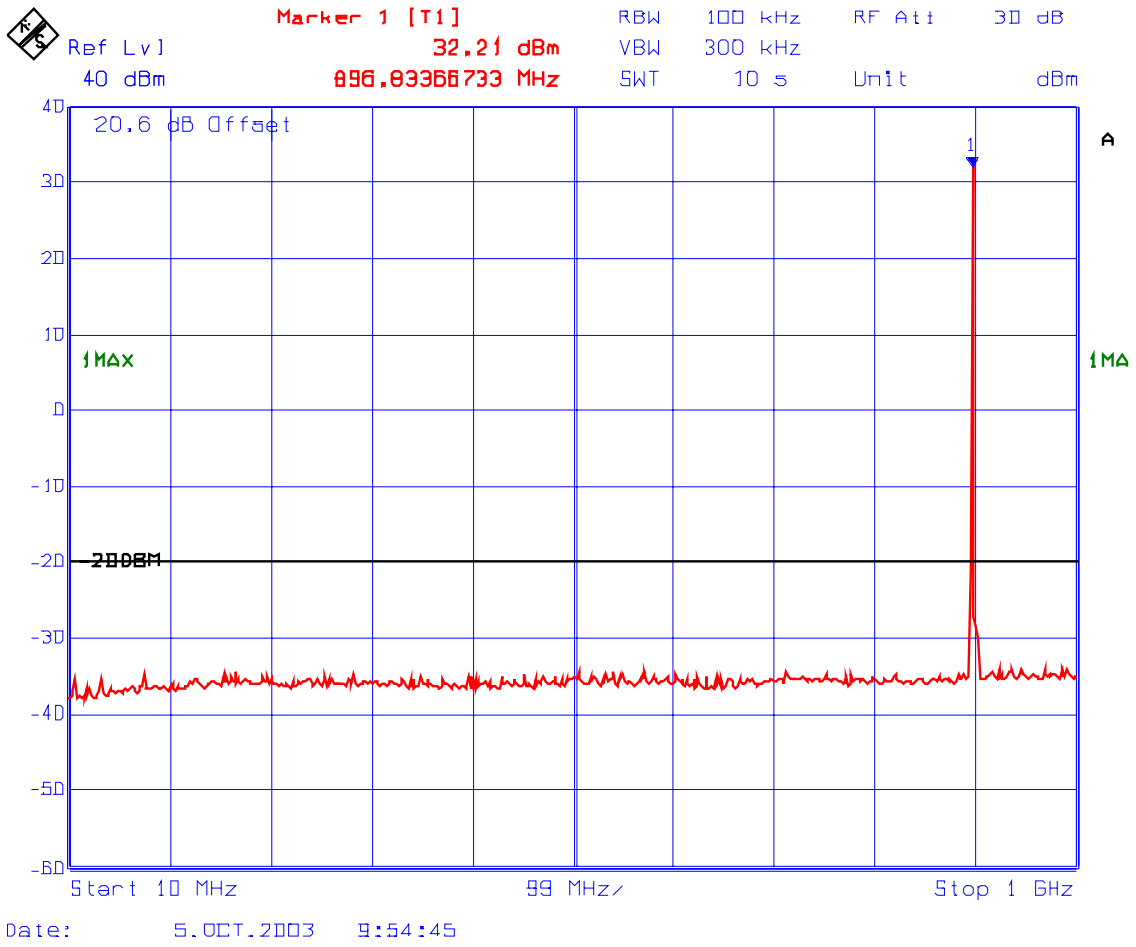
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 357 Spurious Emissions conducted with 2 RF signal inputs/outputs Fc: 896 MHz, Fc + 12.5 kHz



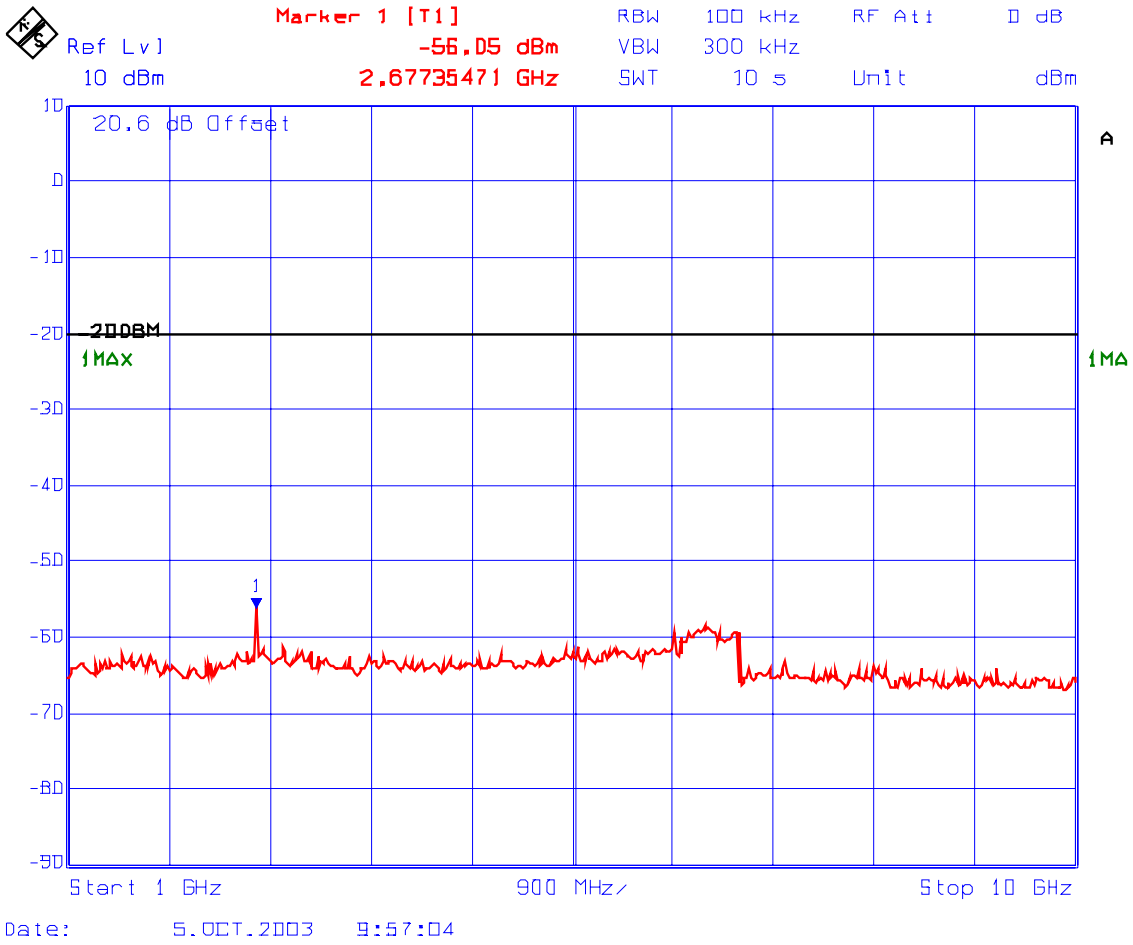
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 358 Spurious Emissions conducted with 3 RF signal inputs/outputs Fc: 896 MHz, Fc + 12.5 kHz, Fc + 25 kHz



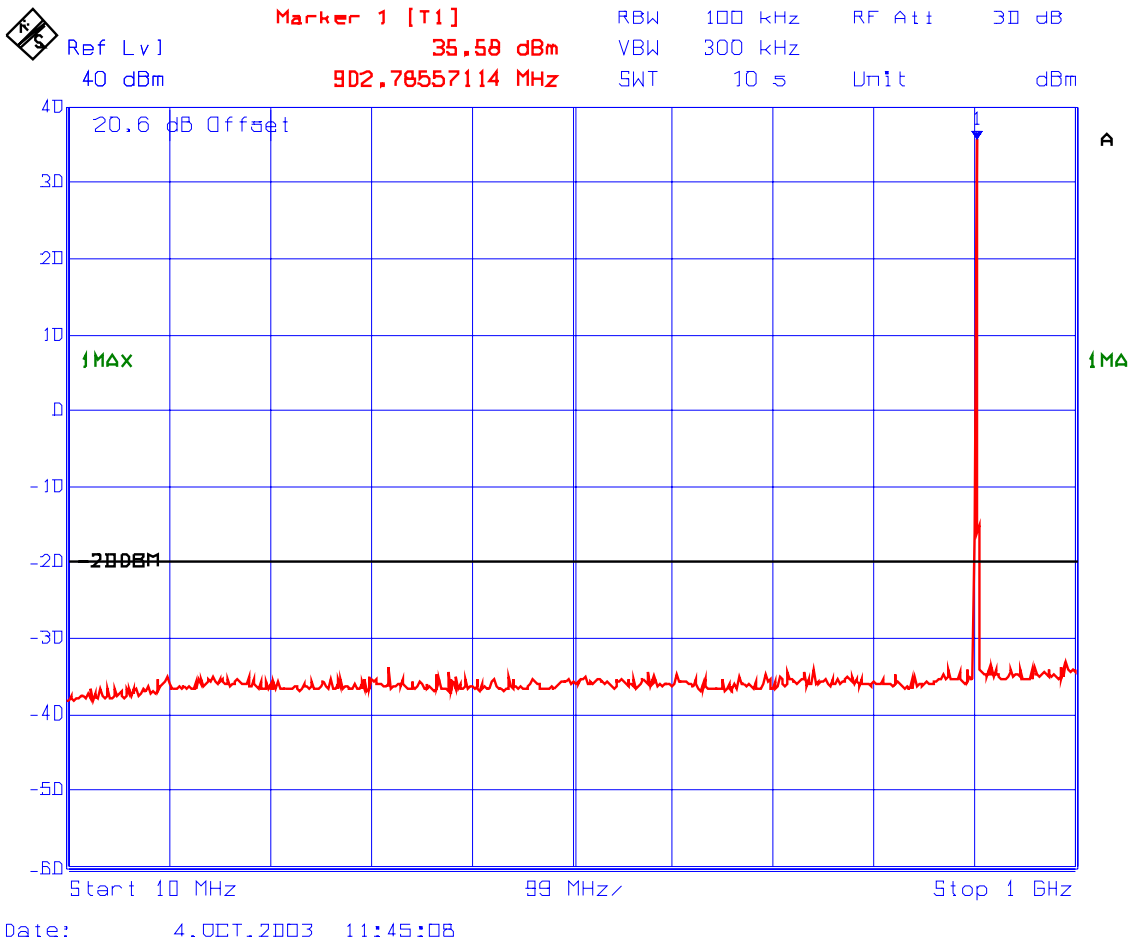
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 359 Spurious Emissions conducted with 3 RF signal inputs/outputs Fc: 896 MHz, Fc + 12.5 kHz, Fc + 25 kHz



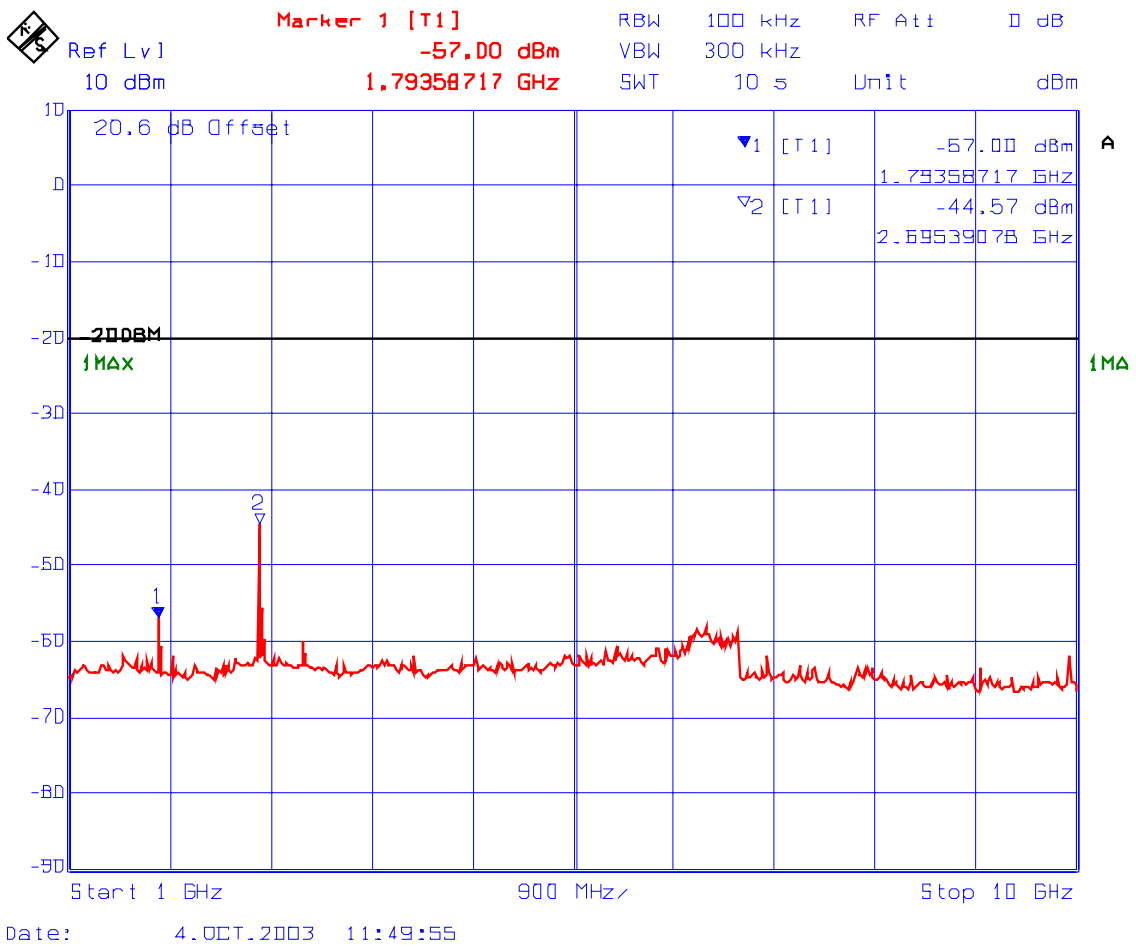
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 360 Spurious Emissions Conducted with 1 RF signal input/output Fc: 902 MHz



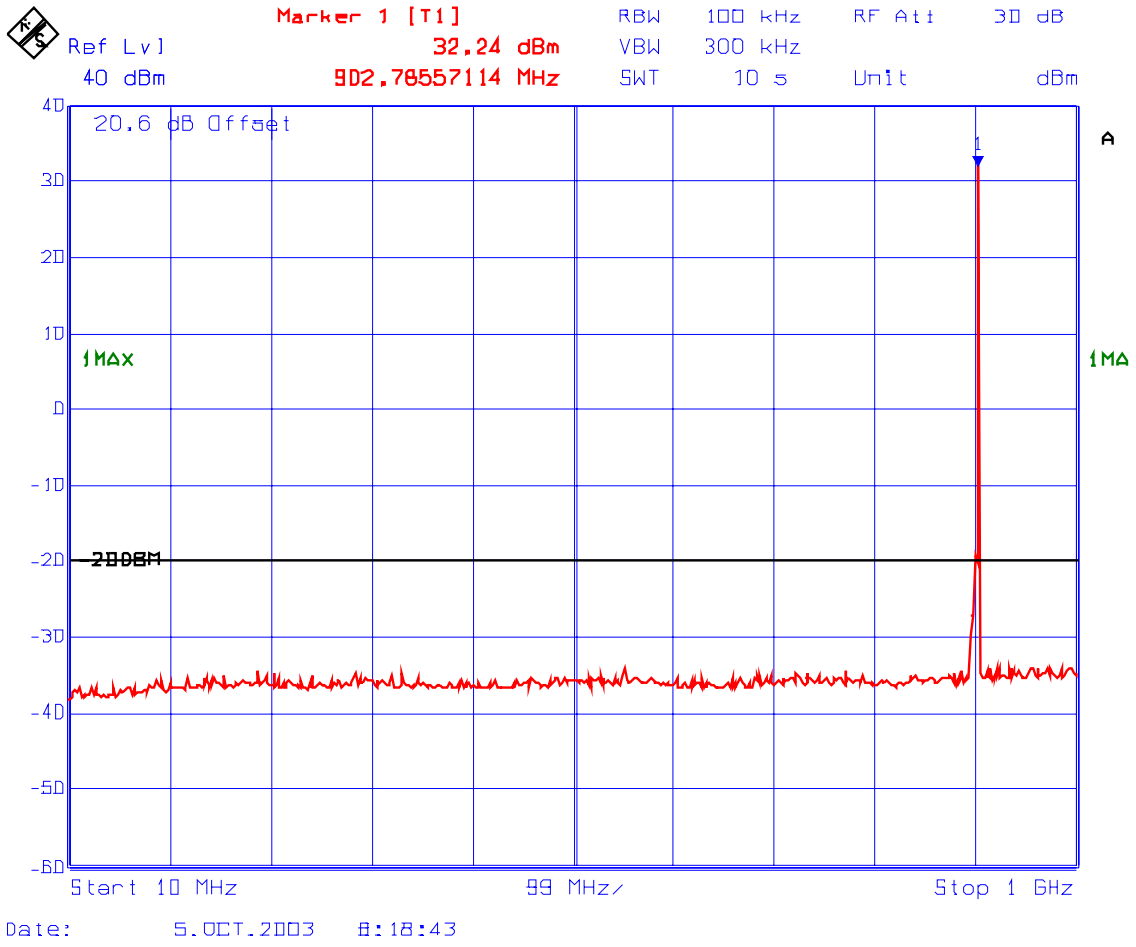
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 361 Spurious Emissions Conducted with 1 RF signal input/output Fc: 902 MHz



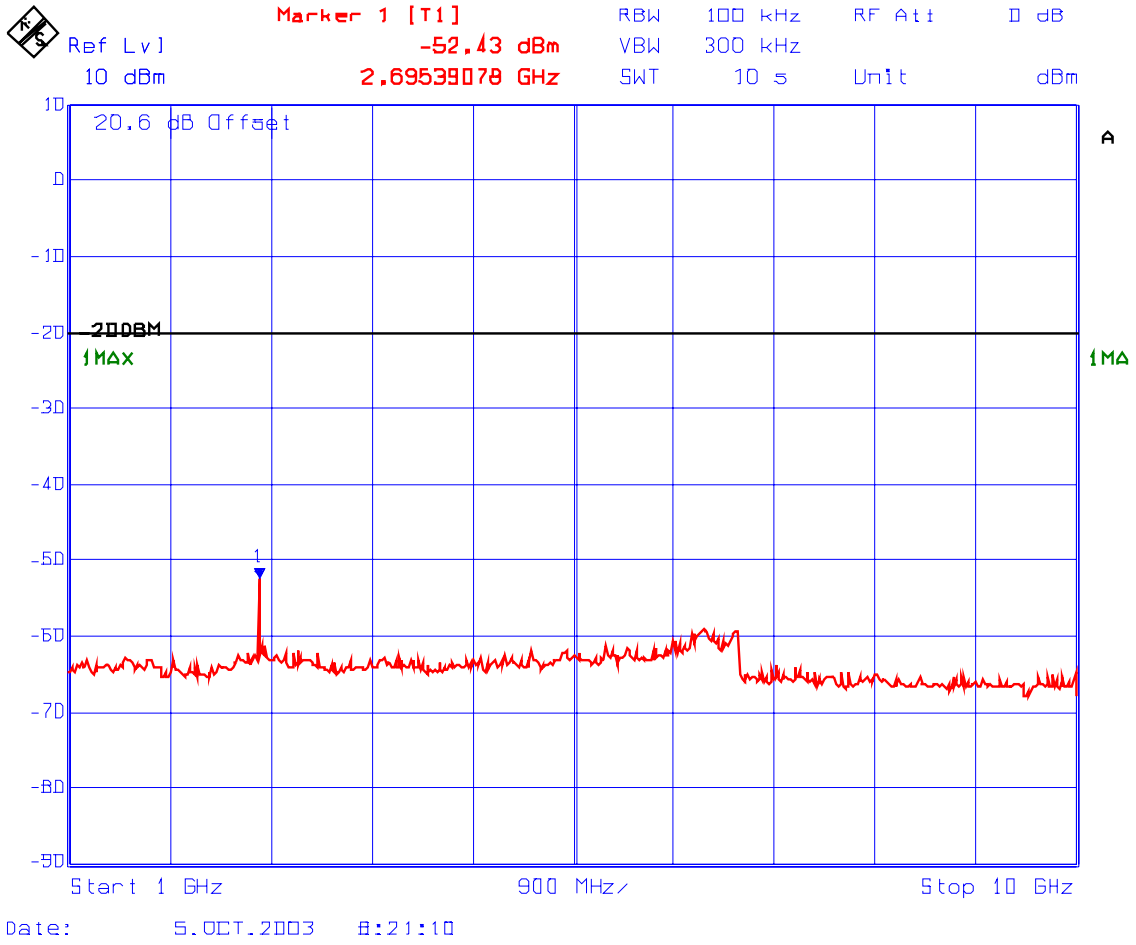
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 362 Spurious Emissions conducted with 2 RF signal inputs/outputs Fc: 902 MHz, Fc - 12.5 kHz



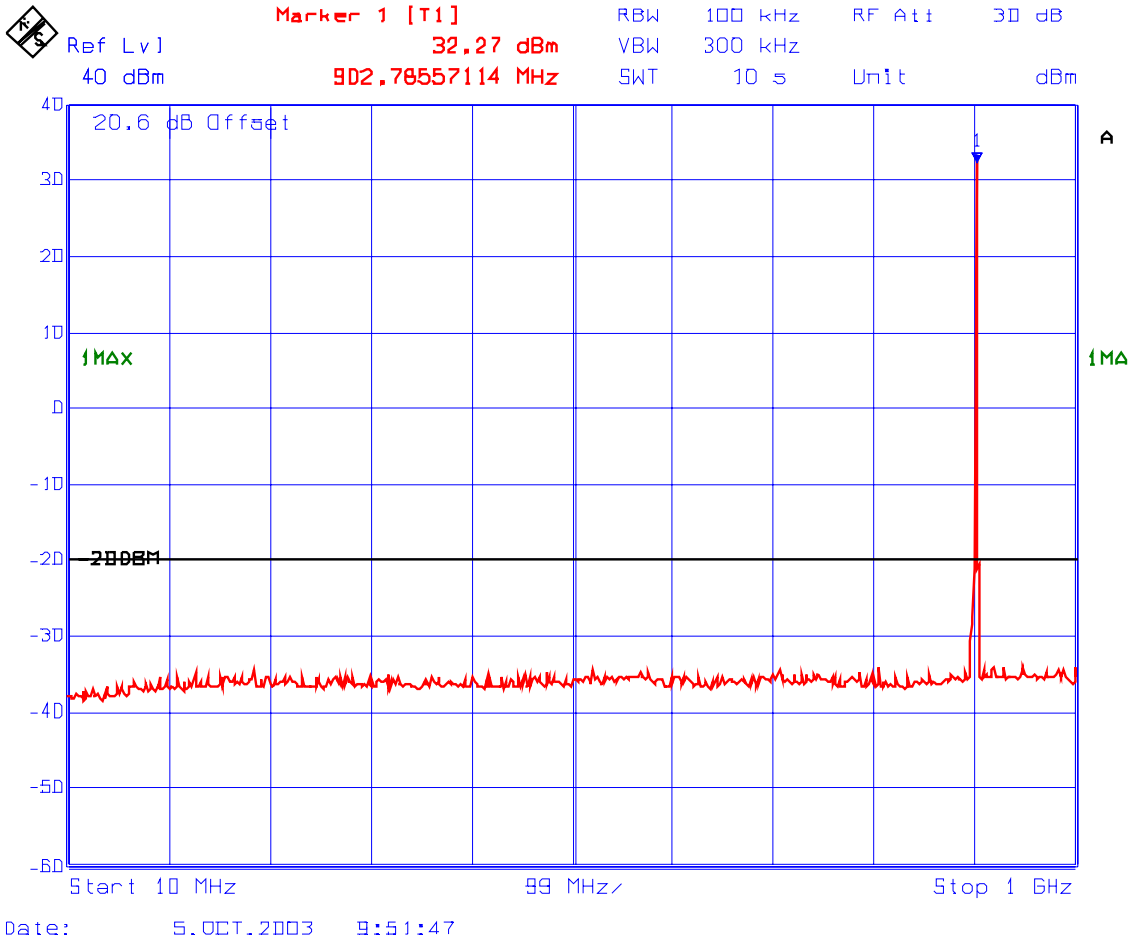
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 363 Spurious Emissions conducted with 2 RF signal inputs/outputs Fc: 902 MHz, Fc - 12.5 kHz



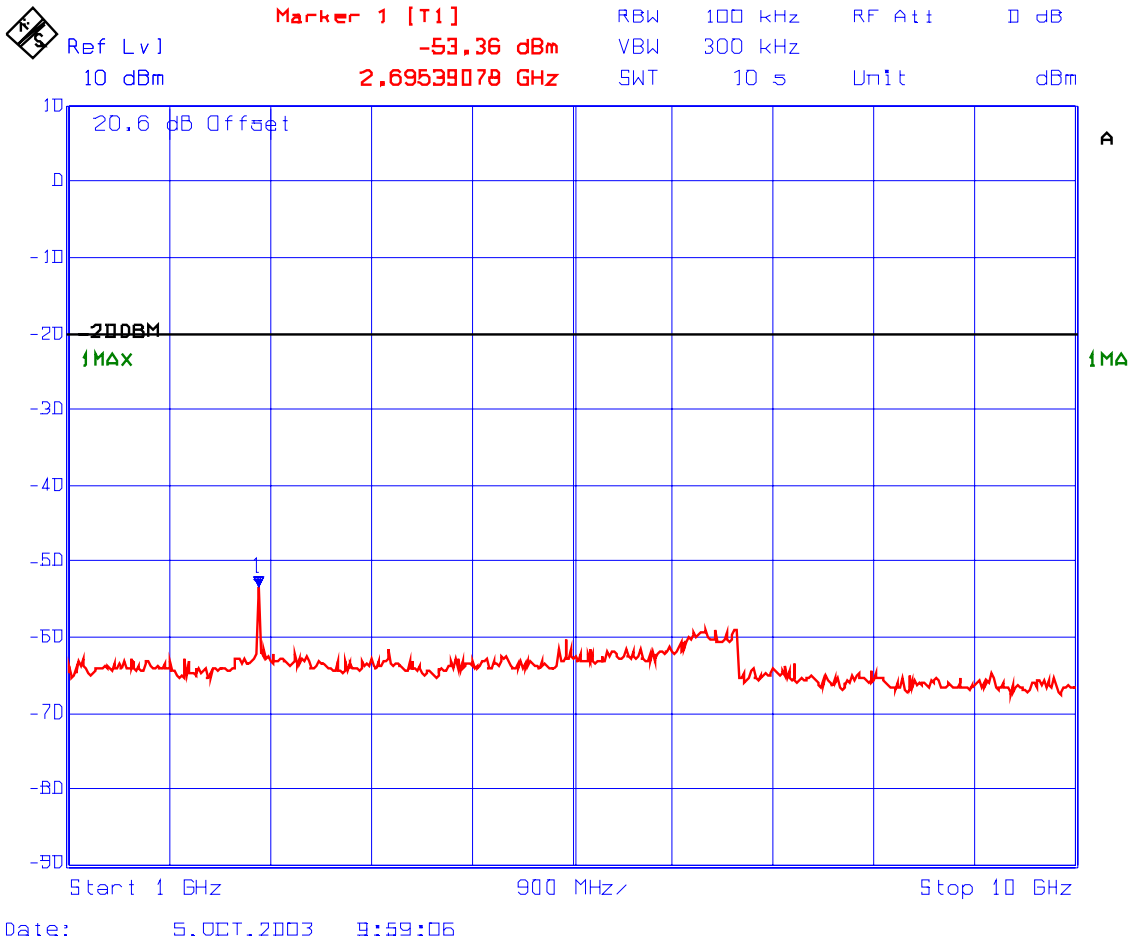
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 364 Spurious Emissions conducted with 3 RF signal inputs/outputs Fc: 902 MHz, Fc - 12.5 kHz, Fc - 25 kHz



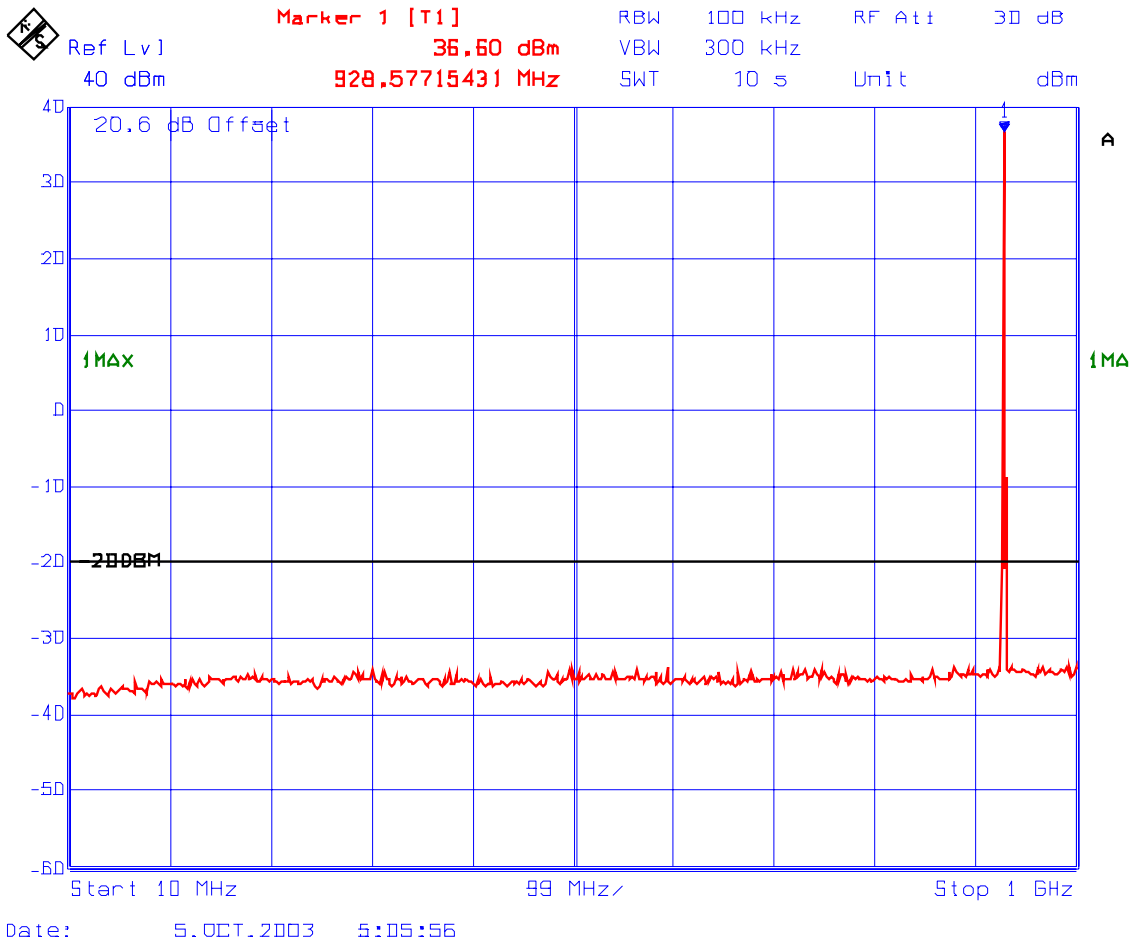
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 365 Spurious Emissions conducted with 3 RF signal inputs/outputs Fc: 902 MHz, Fc - 12.5 kHz, Fc - 25 kHz



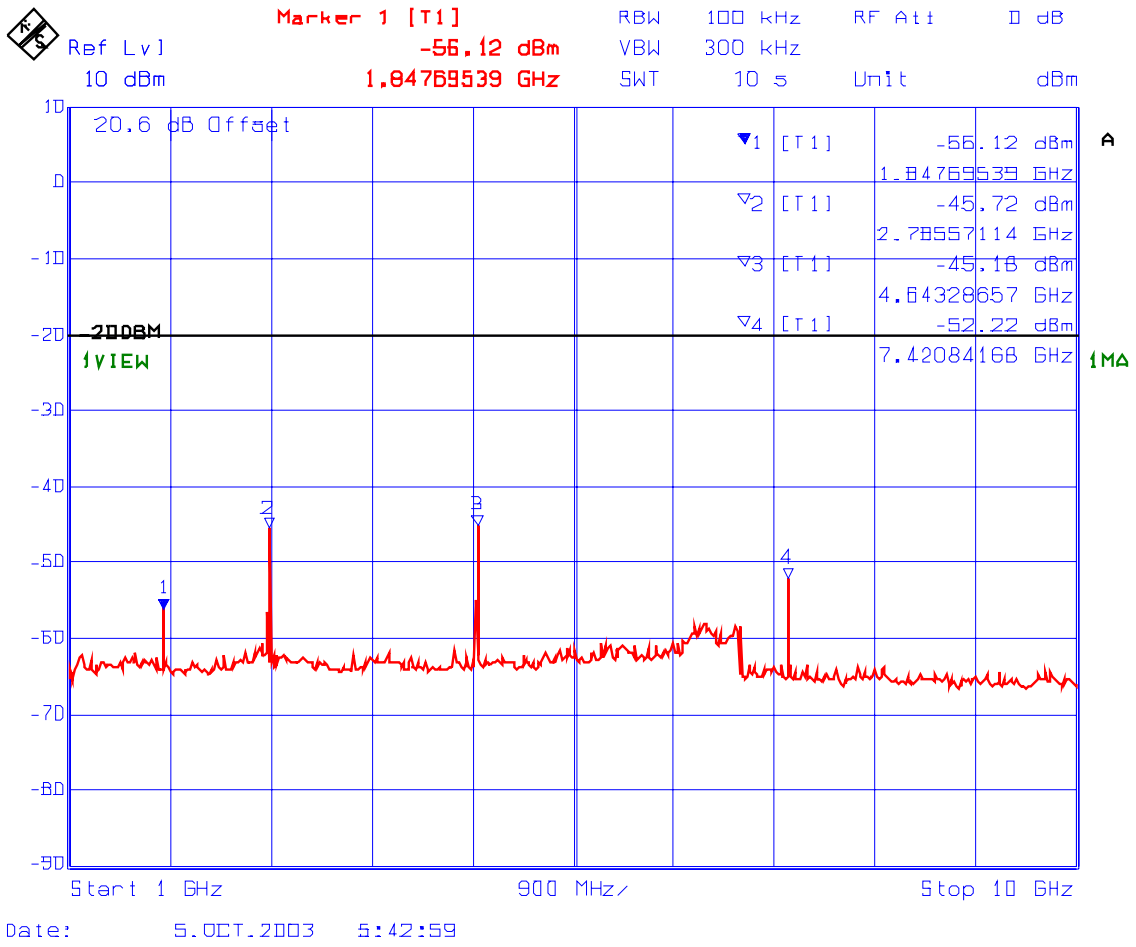
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 366 Spurious Emissions Conducted with 1 RF signal input/output Fc: 928 MHz



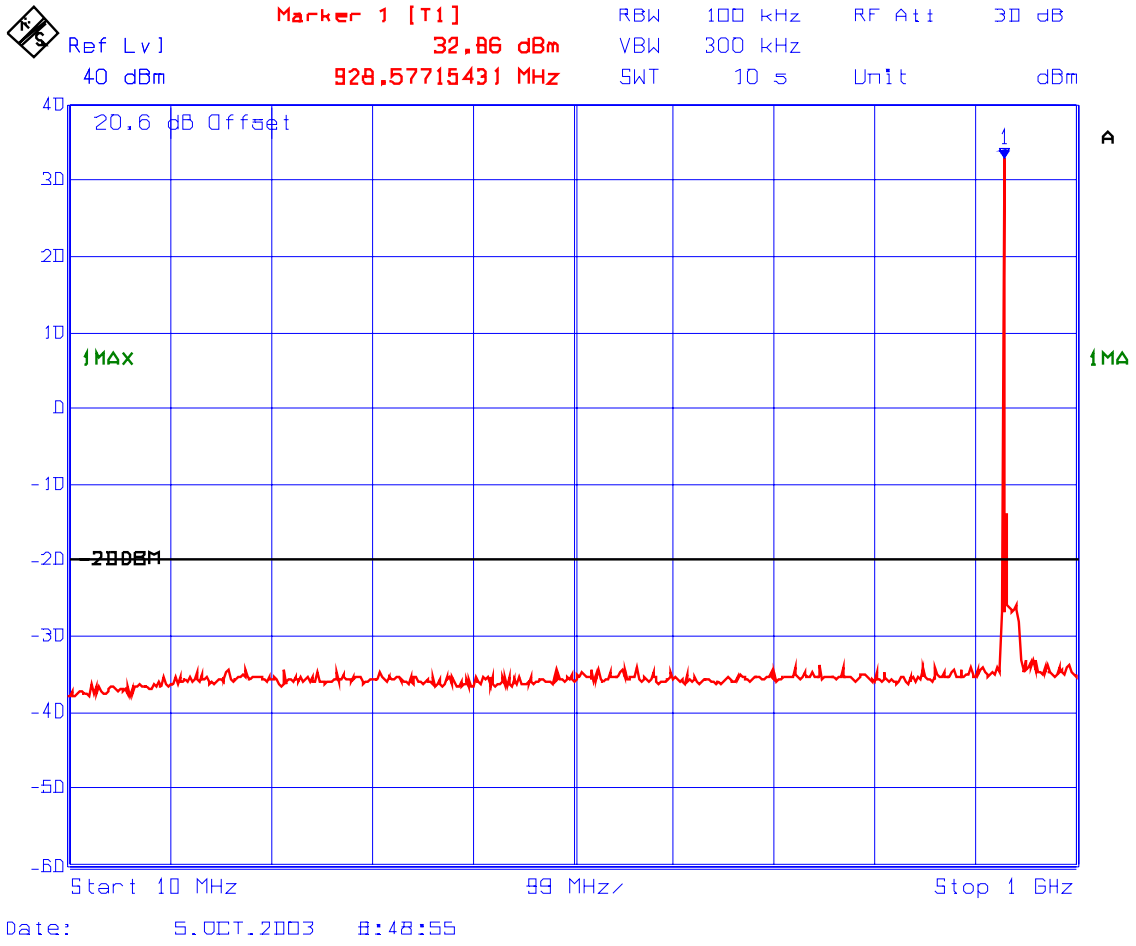
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 367 Spurious Emissions Conducted with 1 RF signal input/output Fc: 928 MHz



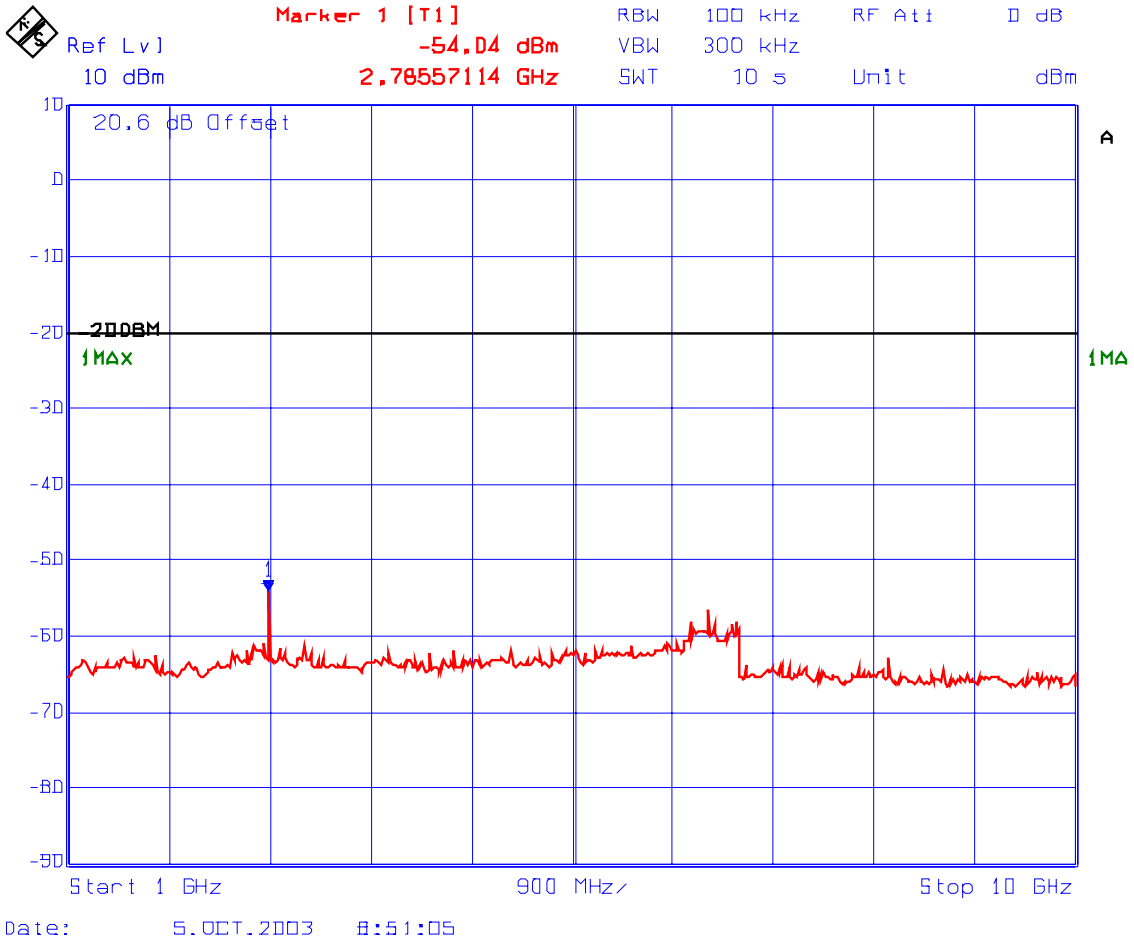
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 368 Spurious Emissions conducted with 2 RF signal inputs/outputs Fc: 928 MHz, Fc + 12.5 kHz



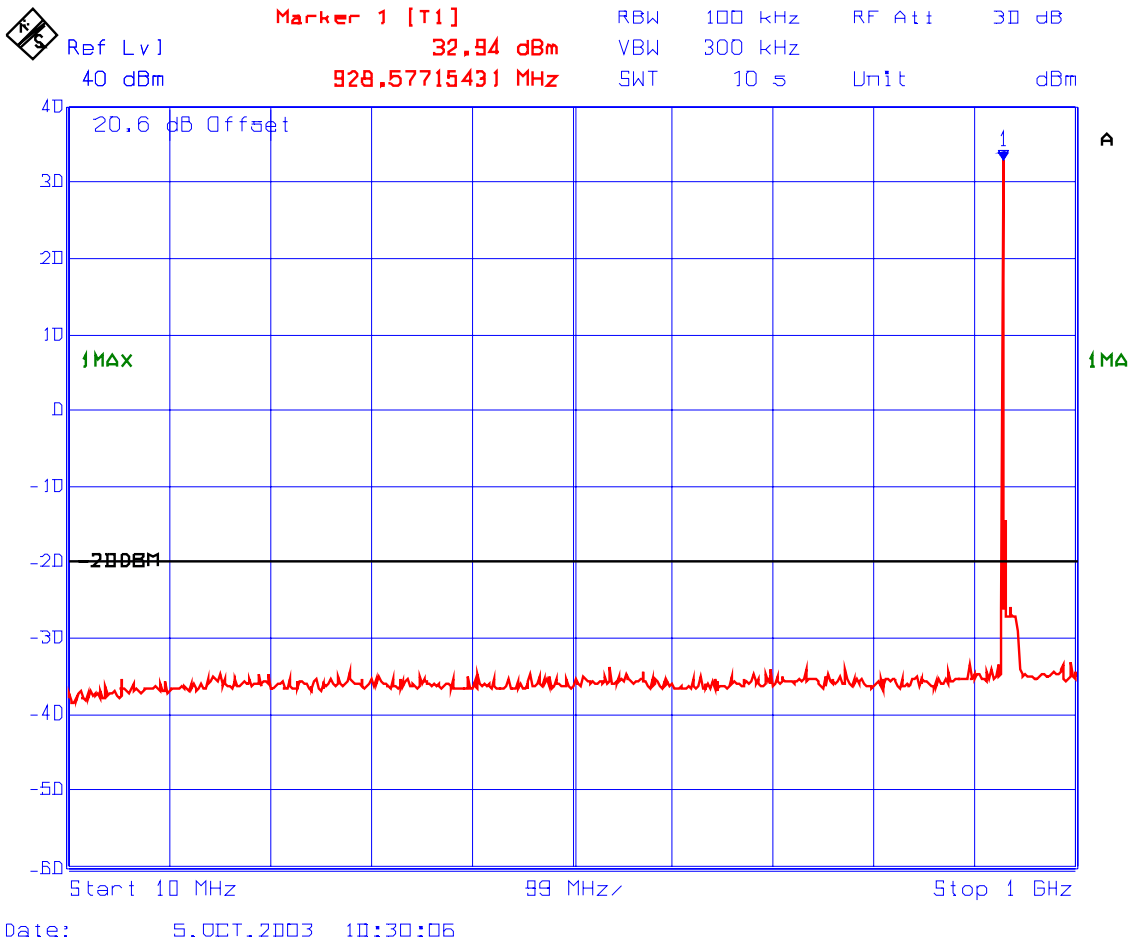
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 369 Spurious Emissions conducted with 2 RF signal inputs/outputs Fc: 928 MHz, Fc + 12.5 kHz



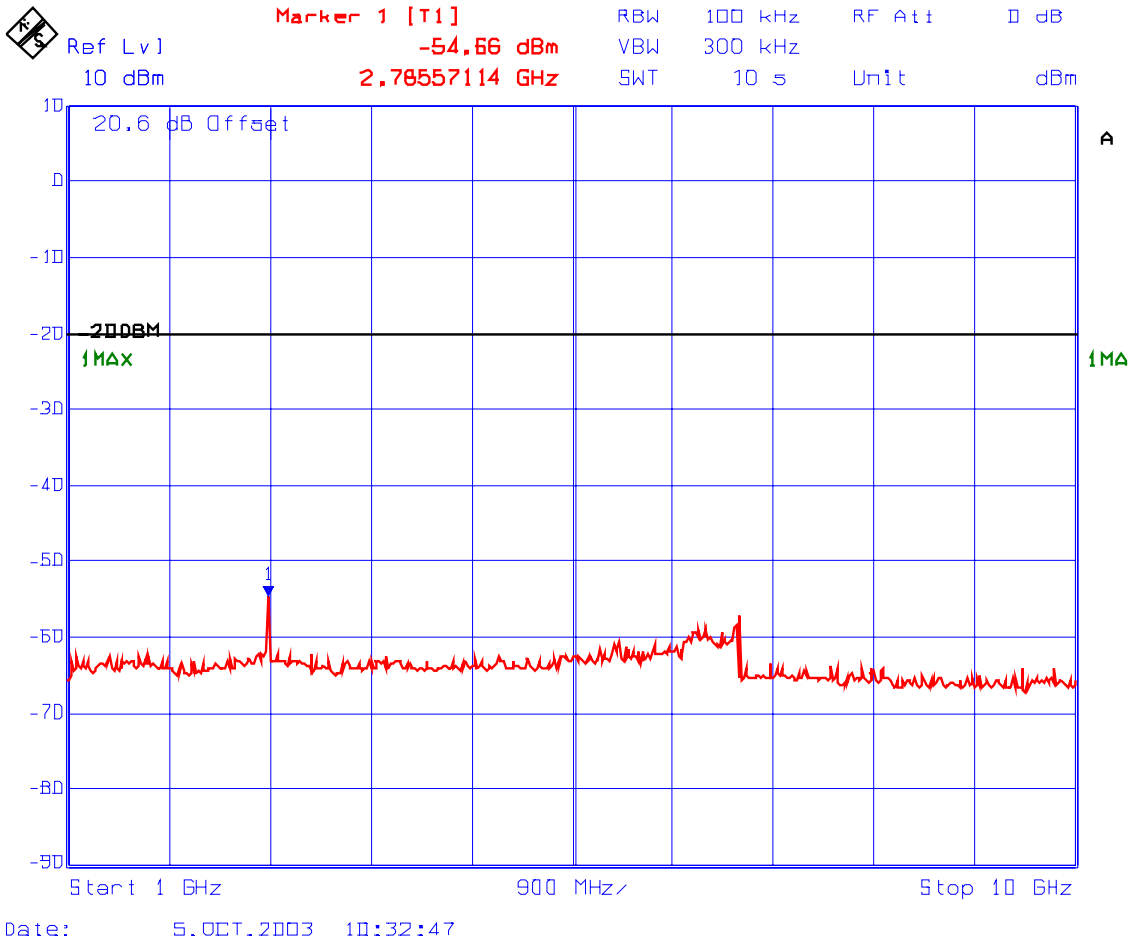
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 370 Spurious Emissions conducted with 3 RF signal inputs/outputs Fc: 928 MHz, Fc + 12.5 kHz, Fc + 25 kHz



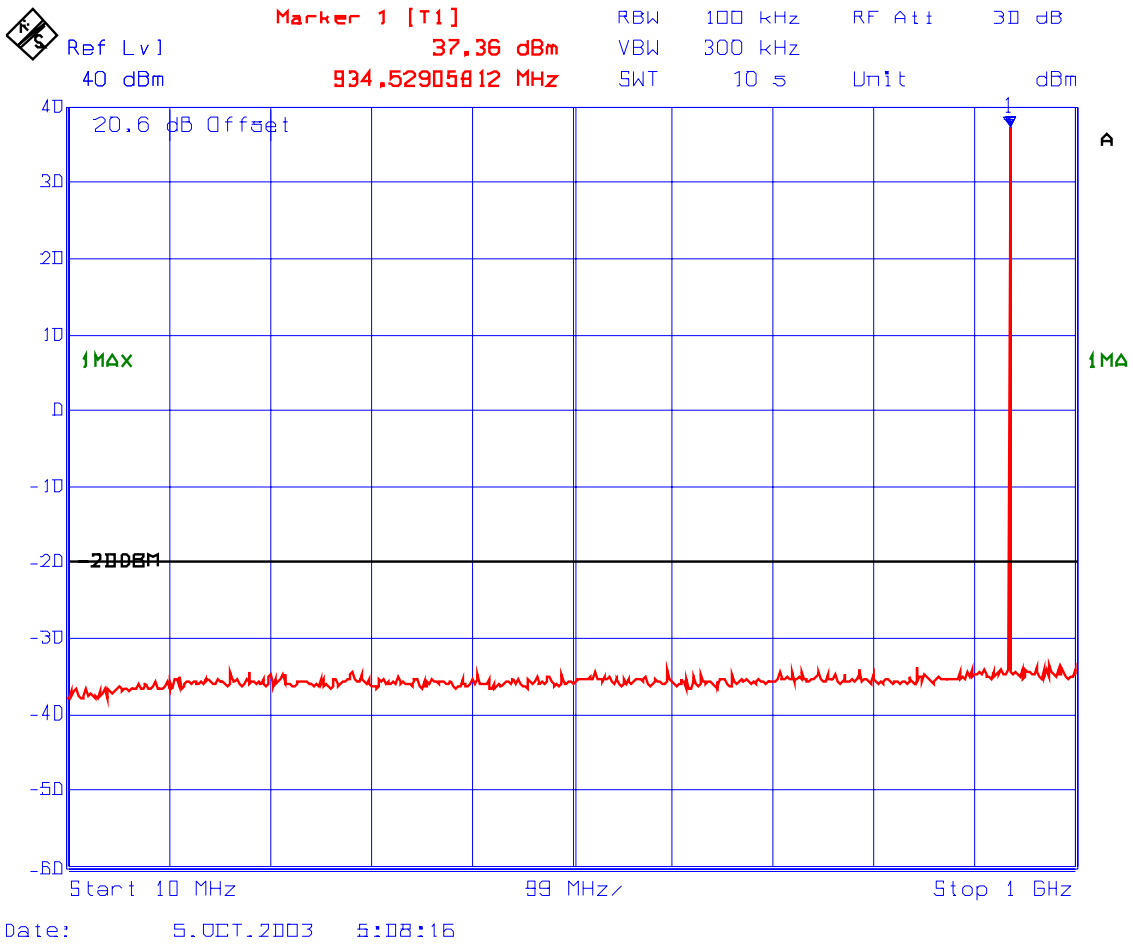
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 371 Spurious Emissions conducted with 3 RF signal inputs/outputs Fc: 928 MHz, Fc + 12.5 kHz, Fc + 25 kHz



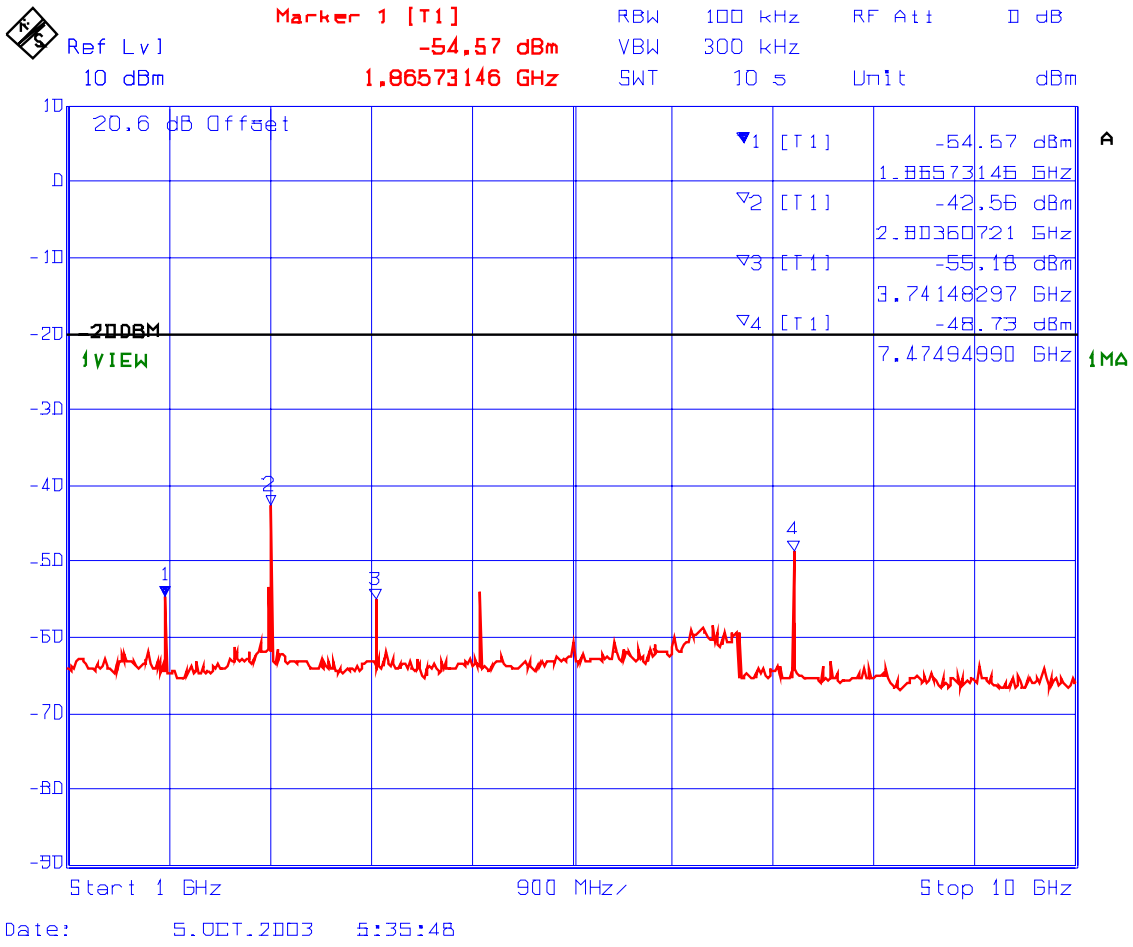
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 372 Spurious Emissions Conducted with 1 RF signal input/output Fc: 934.5 MHz



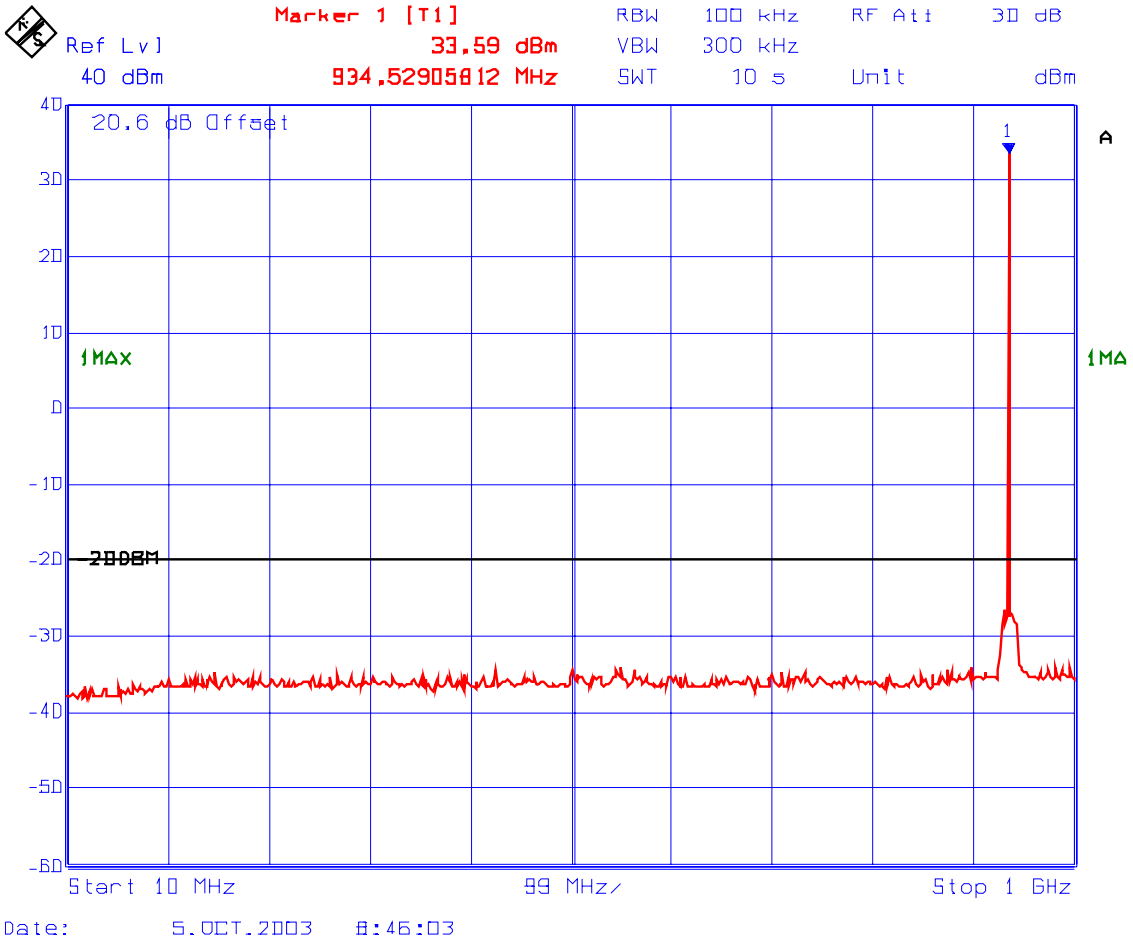
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 373 Spurious Emissions Conducted with 1 RF signal input/output
Fc: 934.5 MHz



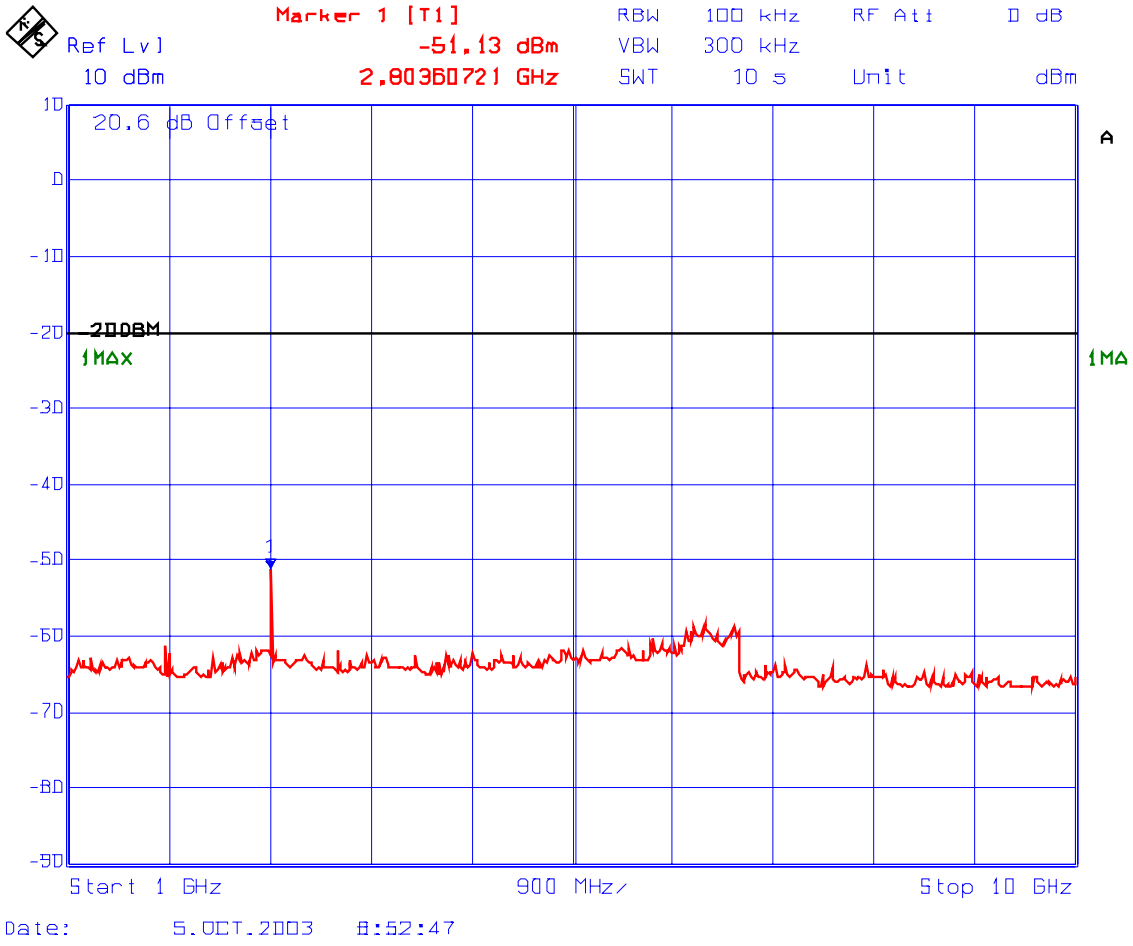
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 374 Spurious Emissions conducted with 2 RF signal inputs/outputs Fc: 934.5 MHz, Fc + 12.5 kHz



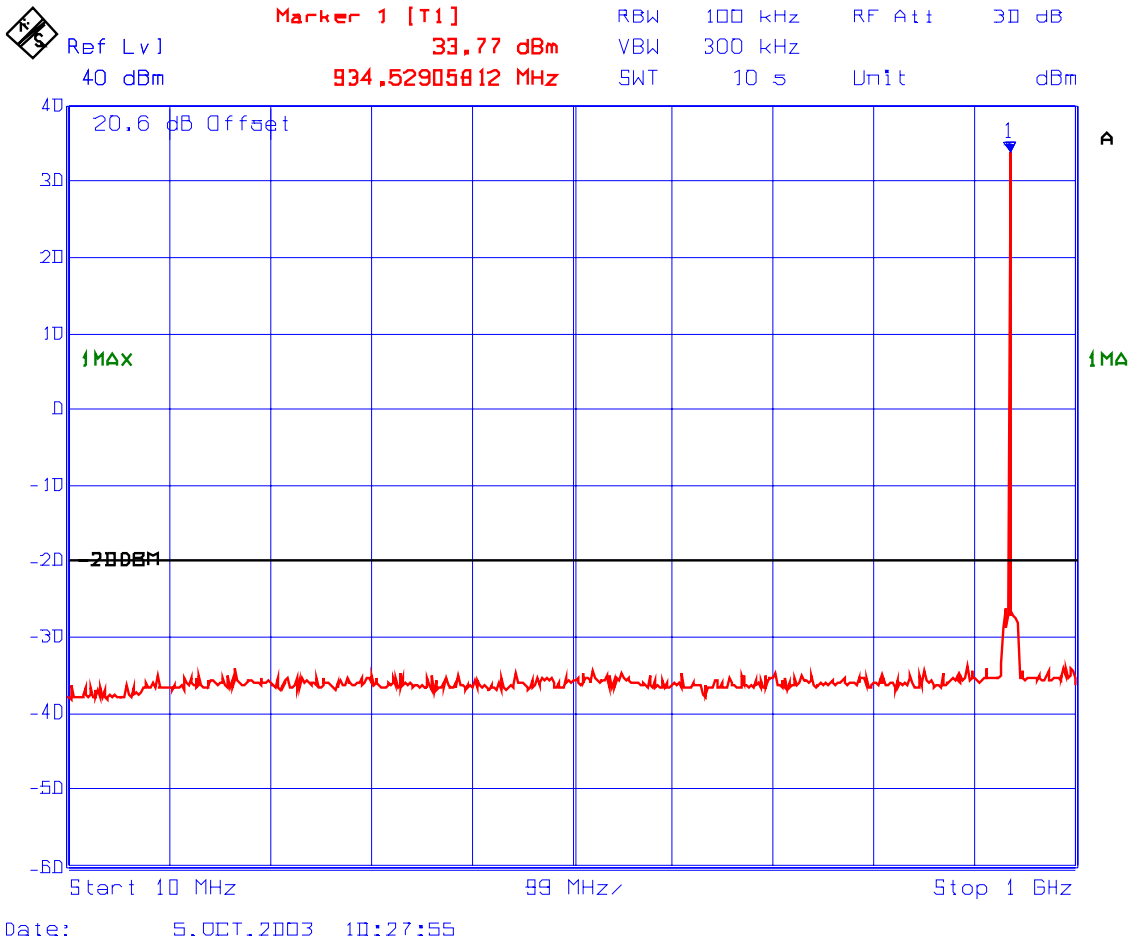
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 375 Spurious Emissions conducted with 2 RF signal inputs/outputs Fc: 934.5 MHz, Fc + 12.5 kHz



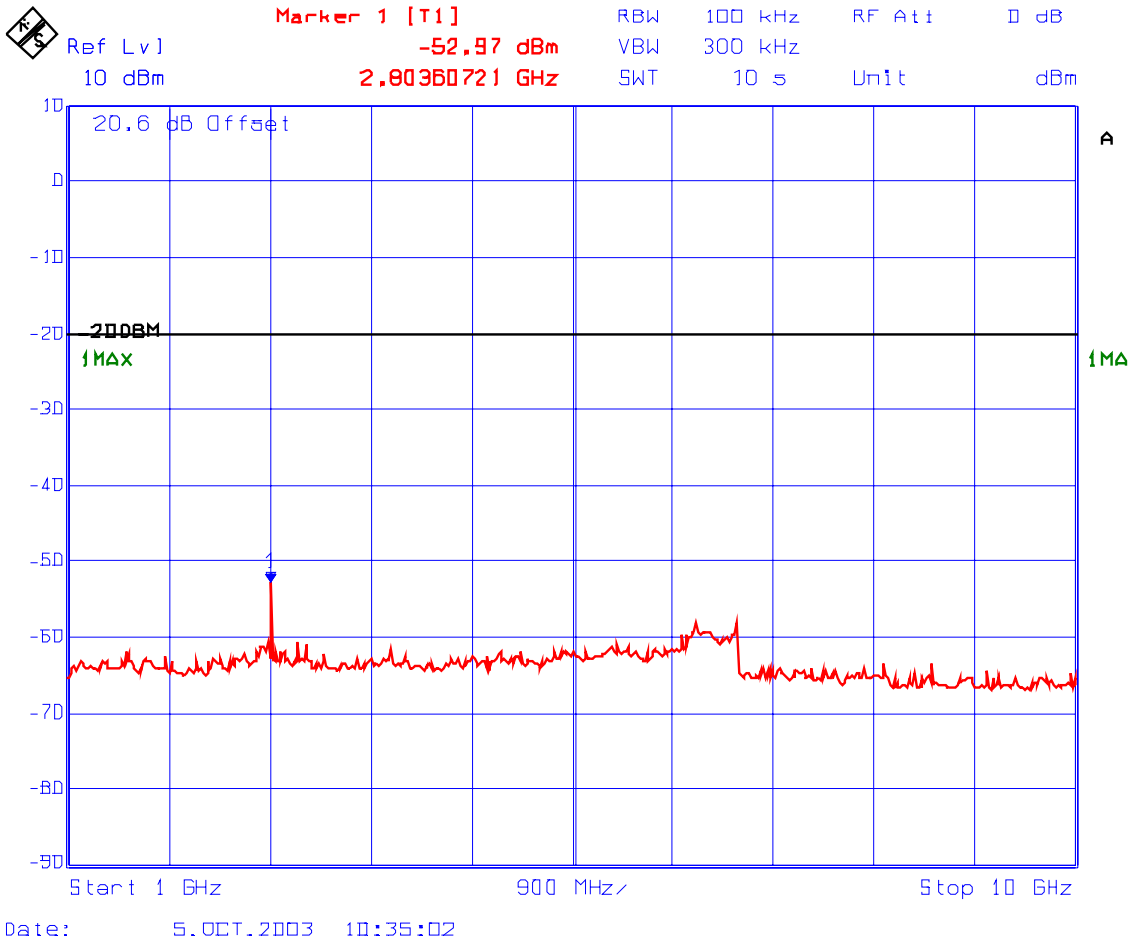
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 376 Spurious Emissions conducted with 3 RF signal inputs/outputs Fc: 934.5 MHz, Fc + 12.5 kHz, Fc – 12.5 kHz



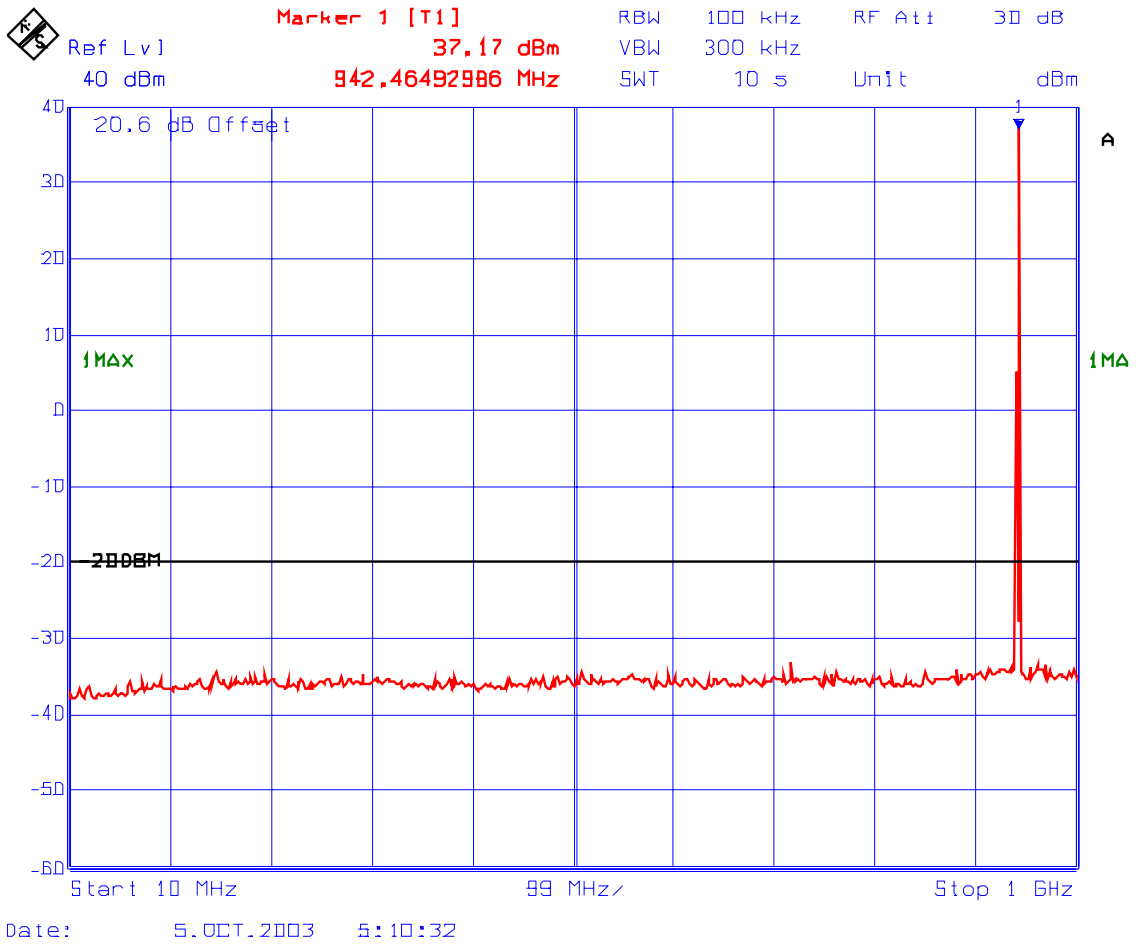
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 377 Spurious Emissions conducted with 3 RF signal inputs/outputs Fc: 934.5 MHz, Fc + 12.5 kHz, Fc – 12.5 kHz



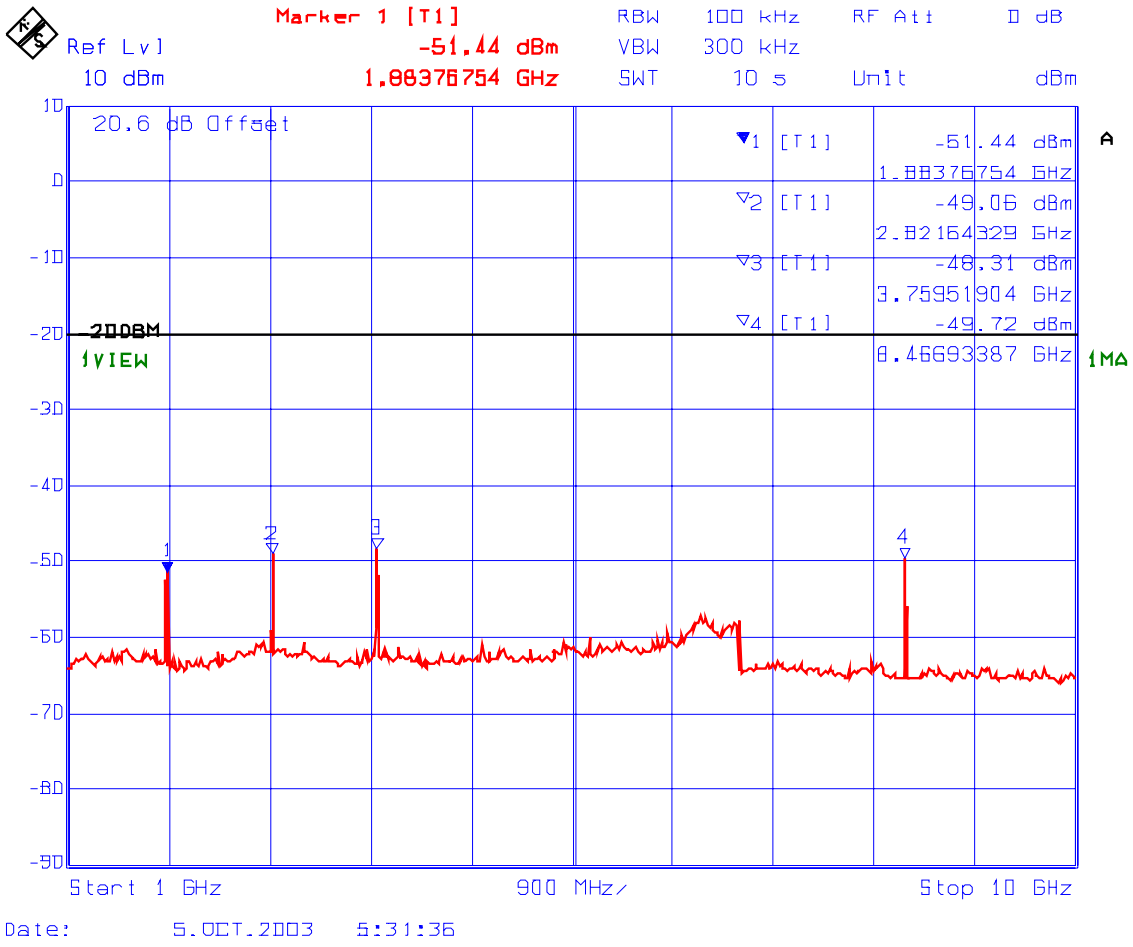
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 378 Spurious Emissions Conducted with 1 RF signal input/output Fc: 941 MHz



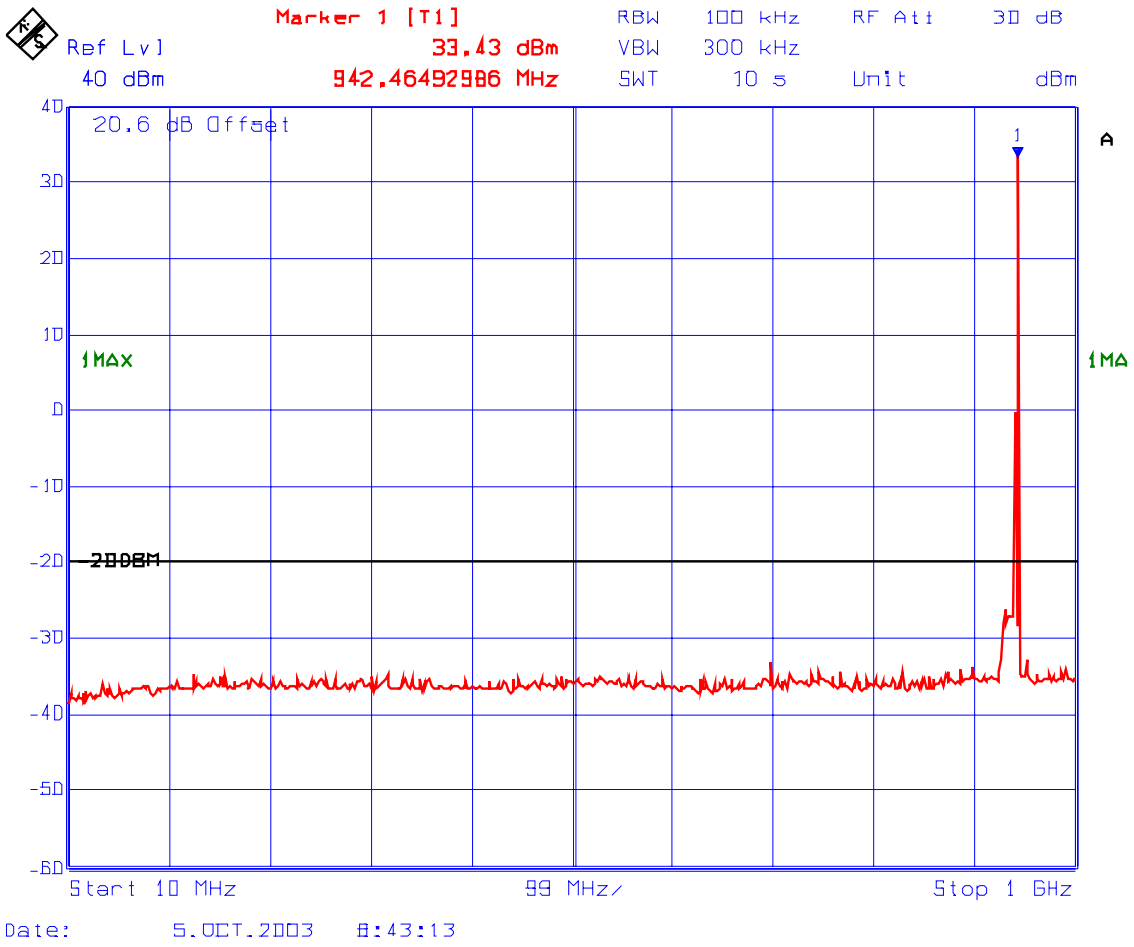
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 379 Spurious Emissions Conducted with 1 RF signal input/output Fc: 941 MHz



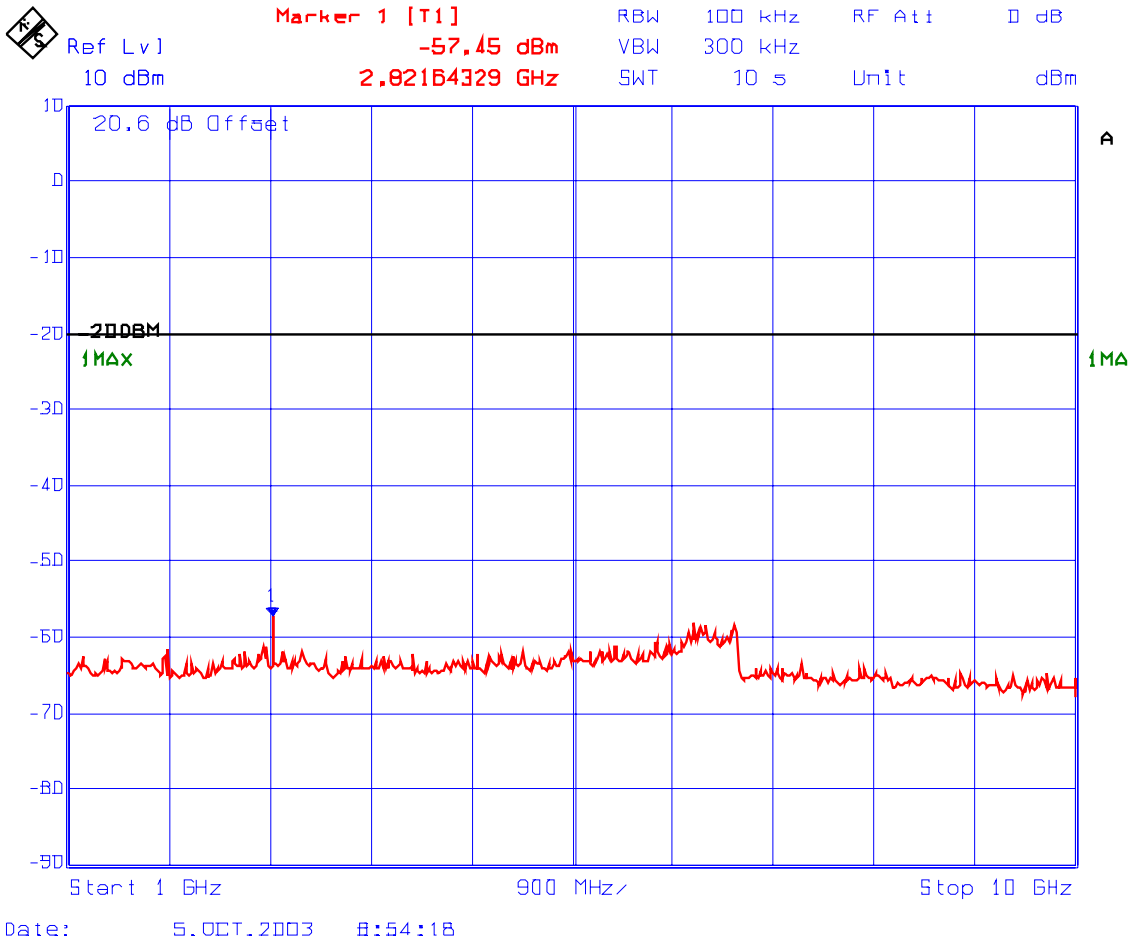
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 380 Spurious Emissions conducted with 2 RF signal inputs/outputs Fc: 941 MHz, Fc - 12.5 kHz



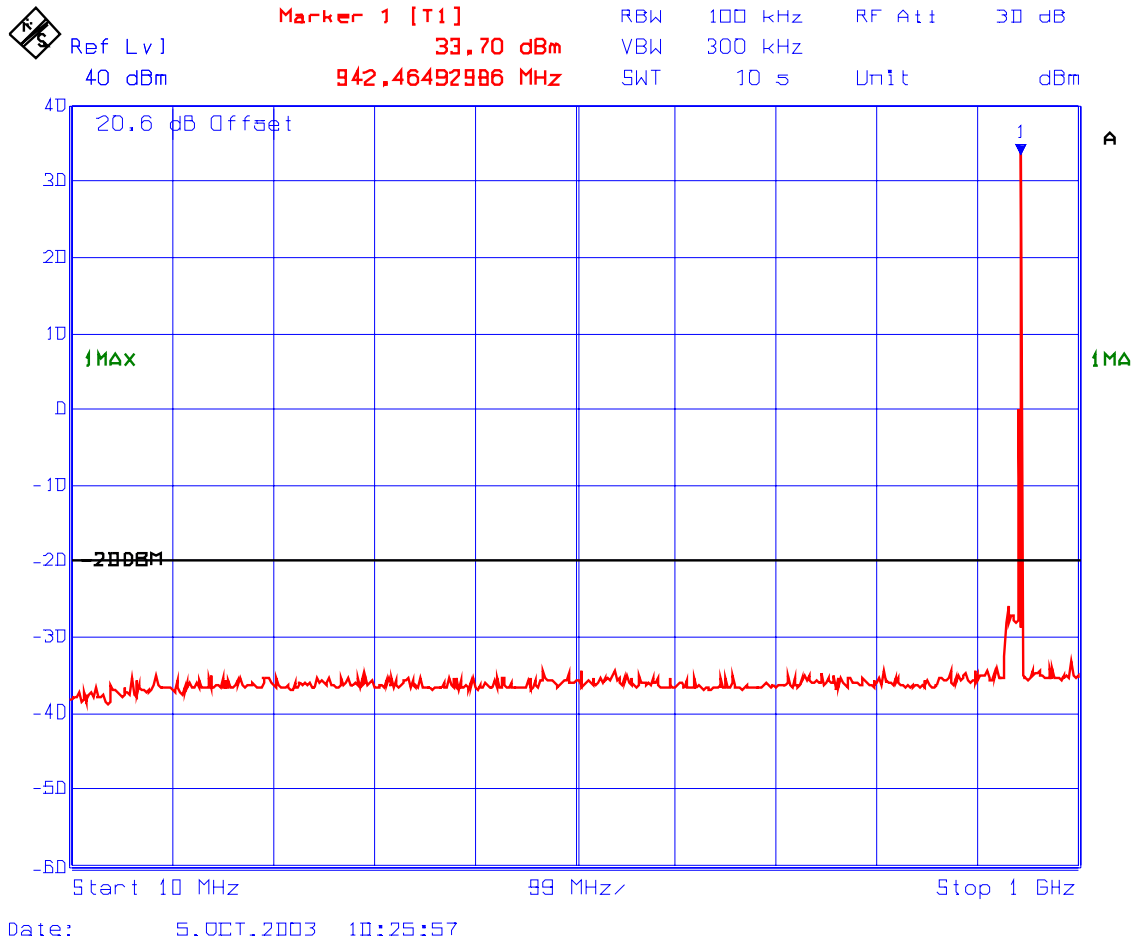
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 381 Spurious Emissions conducted with 2 RF signal inputs/outputs Fc: 941 MHz, Fc - 12.5 kHz



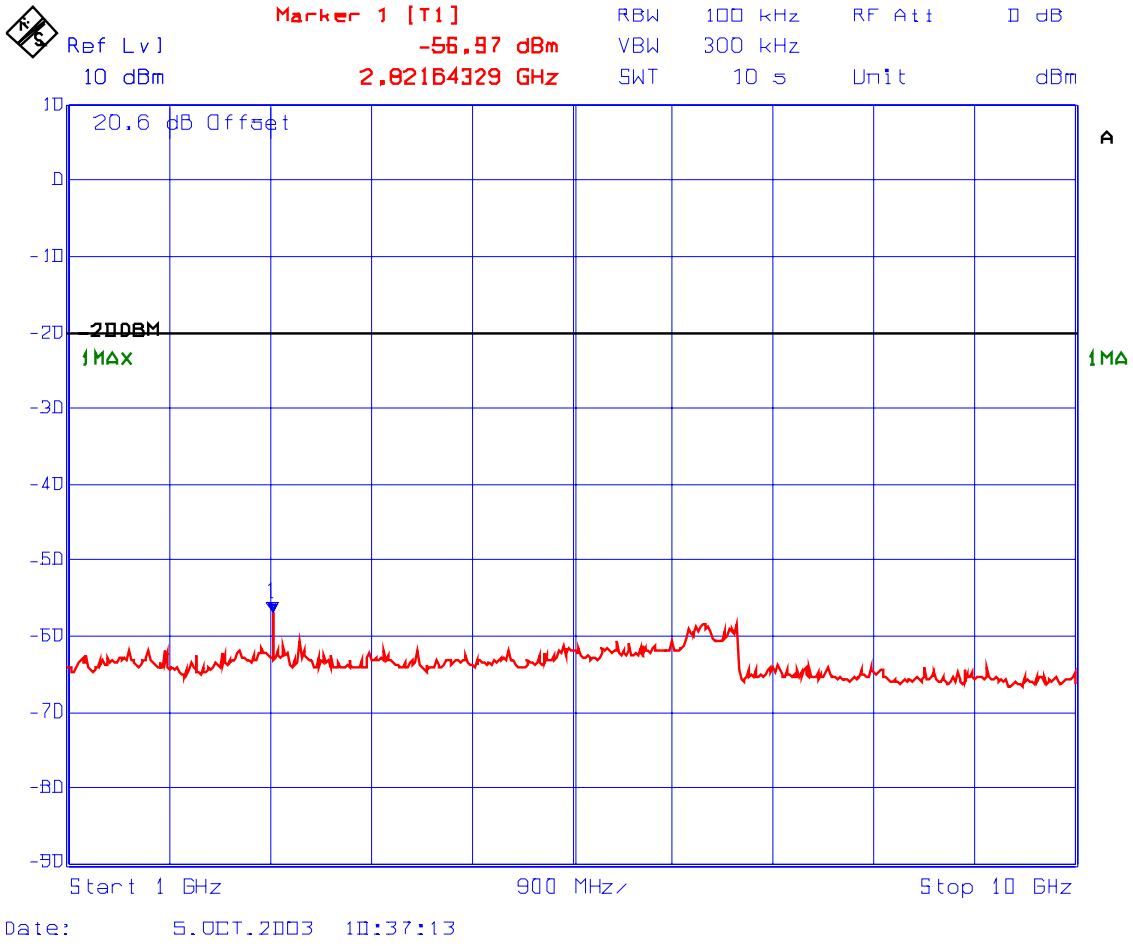
- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 382 Spurious Emissions conducted with 3 RF signal inputs/outputs Fc: 941 MHz, Fc - 12.5 kHz, Fc – 25 kHz



- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

PLOT # 383 Spurious Emissions conducted with 3 RF signal inputs/outputs Fc: 941 MHz, Fc - 12.5 kHz, Fc – 25 kHz



- *All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)*

6.10. TRANSMITTER SPURIOUS/HARMONIC RADIATED EMISSIONS @ 22.917(A), (B), (C) & (D), 90.208 & 90.210

6.10.1. Limits

The most stringent limit of 50+10*log(P in Watts) dBc is applied for all sub-bands for worst case.

6.10.2. Method of Measurements

The spurious/harmonic ERP measurements are using substitution method specified in Exhibit 8, § 8.2 of this report and its value in dBc is calculated as follows:

(1) If the transmitter's antenna is an integral part of the EUT, the ERP is measured using substitution method.
(2) If the transmitter's antenna is non-integral and diverse, the lowest ERP of the carrier with 0 dBi antenna gain is used for calculation of the spurious/harmonic emissions in dBc:
Lowest ERP of the carrier = EIRP – 2.15 dB = Pc + G - 2.15 dB = xxx dBm (conducted) + 0 dBi – 2.15 dB
(3) Spurious /harmonic emissions levels expressed in dBc (dB below carrier) are as follows:

ERP of spurious/harmonic (dBc) = ERP of carrier (dBm) – ERP of spurious/harmonic emission (dBm)

6.10.3. Test Equipment List

Test Instruments	Manufacturer	Model No.	Serial No.	Frequency Range
Spectrum Analyzer/ EMI Receiver	Hewlett Packard	HP 8546A	…	9 kHz to 5.6 GHz with built-in 30 dB Gain Pre-selector, QP, Average & Peak Detectors.
RF Amplifier	Com-Power	PA-102		1 MHz to 1 GHz, 30 dB gain nomimal
Microwave Amplifier	Hewlett Packard	HP 83017A		1 GHz to 26.5 GHz, 30 dB nominal
Biconilog Antenna	EMCO	3142	10005	30 MHz to 2 GHz
Dipole Antenna	EMCO	3121C	8907-434	30 GHz – 1 GHz
Dipole Antenna	EMCO	3121C	8907-440	30 GHz – 1 GHz
Horn Antenna	EMCO	3155	9701-5061	1 GHz – 18 GHz
Horn Antenna	EMCO	3155	9911-5955	1 GHz – 18 GHz
RF Signal Generator	Hewlett Packard	HP 83752B	3610A00457	0.01 – 20 GHz

6.10.4. Test Setup

Please refer to Photo # 1to 2 in Annex 1 for detailed of test setup.

6.10.5. Test Data

6.10.5.1. Band 806-824 MHz

6.10.5.1.1. Lowest Frequency (806 MHz)

FREQUENCY (MHz)	E-FIELD Level @3m (dBuV/m)	ERP Substitution measured by Method (dBm)	(dBc)	EMI Receiver Detector (Peak/QP)	ANTENNA PLANE (H/V)	LIMIT (dBc)	MARGIN (dB)	PASS/ FAIL
30 – 10000	**	**	**	PEAK	V & H	-55.5	**	PASS
• The emissions were scanned from 30 MHz to 10 GHz and no significant rf spurious/harmonic emissions were found to be less than 20 dB below the FCC Limits.								

6.10.5.1.2. Middle Frequency (815 MHz)

FREQUENCY (MHz)	E-FIELD Level @3m (dBuV/m)	ERP Substitution measured by Method (dBm)	(dBc)	EMI Receiver Detector (Peak/QP)	ANTENNA PLANE (H/V)	LIMIT (dBc)	MARGIN (dB)	PASS/ FAIL
30 – 10000	**	**	**	PEAK	V & H	-55.8	**	PASS
• The emissions were scanned from 30 MHz to 10 GHz and no significant rf spurious/harmonic emissions were found to be less than 20 dB below the FCC Limits.								

6.10.5.1.3. Highest Frequency (824 MHz)

FREQUENCY (MHz)	E-FIELD Level @3m (dBuV/m)	ERP Substitution measured by Method (dBm)	(dBc)	EMI Receiver Detector (Peak/QP)	ANTENNA PLANE (H/V)	LIMIT (dBc)	MARGIN (dB)	PASS/ FAIL
30 – 10000	**	**	**	PEAK	V & H	-55.6	**	PASS
• The emissions were scanned from 30 MHz to 10 GHz and no significant rf spurious/harmonic emissions were found to be less than 20 dB below the FCC Limits.								

6.10.5.2. Band 824-849 MHz

6.10.5.2.1. Lowest Frequency (824 MHz)

FREQUENCY (MHz)	E-FIELD Level @3m (dBuV/m)	ERP Substitution measured by Method (dBm)	ERP Substitution measured by Method (dBc)	EMI Receiver Detector (Peak/QP)	ANTENNA PLANE (H/V)	LIMIT (dBc)	MARGIN (dB)	PASS/ FAIL
30 – 10000	**	**	**	PEAK	V & H	-47.1	**	PASS
• The emissions were scanned from 30 MHz to 10 GHz and no significant rf spurious/harmonic emissions were found to be less than 20 dB below the FCC Limits.								

6.10.5.2.2. Middle Frequency (836.5 MHz)

FREQUENCY (MHz)	E-FIELD Level @3m (dBuV/m)	ERP Substitution measured by Method (dBm)	ERP Substitution measured by Method (dBc)	EMI Receiver Detector (Peak/QP)	ANTENNA PLANE (H/V)	LIMIT (dBc)	MARGIN (dB)	PASS/ FAIL
30 – 10000	**	**	**	PEAK	V & H	-47.1	**	PASS
• The emissions were scanned from 30 MHz to 10 GHz and no significant rf spurious/harmonic emissions were found to be less than 20 dB below the FCC Limits.								

6.10.5.2.3. Highest Frequency (849 MHz)

FREQUENCY (MHz)	E-FIELD Level @3m (dBuV/m)	ERP Substitution measured by Method (dBm)	ERP Substitution measured by Method (dBc)	EMI Receiver Detector (Peak/QP)	ANTENNA PLANE (H/V)	LIMIT (dBc)	MARGIN (dB)	PASS/ FAIL
30 – 10000	**	**	**	PEAK	V & H	-47.1	**	PASS
• The emissions were scanned from 30 MHz to 10 GHz and no significant rf spurious/harmonic emissions were found to be less than 20 dB below the FCC Limits.								

6.10.5.3. Band 851-869 MHz

6.10.5.3.1. Lowest Frequency (851 MHz)

FREQUENCY (MHz)	E-FIELD Level @3m (dBuV/m)	ERP Substitution measured by Method (dBm)	(dBc)	EMI Receiver Detector (Peak/QP)	ANTENNA PLANE (H/V)	LIMIT (dBc)	MARGIN (dB)	PASS/ FAIL
30 – 10000	**	**	**	PEAK	V & H	-56.6	**	PASS
• The emissions were scanned from 30 MHz to 10 GHz and no significant rf spurious/harmonic emissions were found to be less than 20 dB below the FCC Limits.								

6.10.5.3.2. Middle Frequency (860 MHz)

FREQUENCY (MHz)	E-FIELD Level @3m (dBuV/m)	ERP Substitution measured by Method (dBm)	(dBc)	EMI Receiver Detector (Peak/QP)	ANTENNA PLANE (H/V)	LIMIT (dBc)	MARGIN (dB)	PASS/ FAIL
30 – 10000	**	**	**	PEAK	V & H	-56.5	**	PASS
• The emissions were scanned from 30 MHz to 10 GHz and no significant rf spurious/harmonic emissions were found to be less than 20 dB below the FCC Limits.								

6.10.5.3.3. Highest Frequency (869 MHz)

FREQUENCY (MHz)	E-FIELD Level @3m (dBuV/m)	ERP Substitution measured by Method (dBm)	(dBc)	EMI Receiver Detector (Peak/QP)	ANTENNA PLANE (H/V)	LIMIT (dBc)	MARGIN (dB)	PASS/ FAIL
30 – 10000	**	**	**	PEAK	V & H	-56.4	**	PASS
• The emissions were scanned from 30 MHz to 10 GHz and no significant rf spurious/harmonic emissions were found to be less than 20 dB below the FCC Limits.								

6.10.5.4. Band 869-894 MHz

6.10.5.4.1. Lowest Frequency (869 MHz)

FREQUENCY (MHz)	E-FIELD Level @3m (dBuV/m)	ERP Substitution measured by Method (dBm)	(dBc)	EMI Receiver Detector (Peak/QP)	ANTENNA PLANE (H/V)	LIMIT (dBc)	MARGIN (dB)	PASS/ FAIL
30 – 10000	**	**	**	PEAK	V & H	-47.1	**	PASS
• The emissions were scanned from 30 MHz to 10 GHz and no significant rf spurious/harmonic emissions were found to be less than 20 dB below the FCC Limits.								

6.10.5.4.2. Middle Frequency (881.5 MHz)

FREQUENCY (MHz)	E-FIELD Level @3m (dBuV/m)	ERP Substitution measured by Method (dBm)	(dBc)	EMI Receiver Detector (Peak/QP)	ANTENNA PLANE (H/V)	LIMIT (dBc)	MARGIN (dB)	PASS/ FAIL
30 – 10000	**	**	**	PEAK	V & H	-47.1	**	PASS
• The emissions were scanned from 30 MHz to 10 GHz and no significant rf spurious/harmonic emissions were found to be less than 20 dB below the FCC Limits.								

6.10.5.4.3. Highest Frequency (894 MHz)

FREQUENCY (MHz)	E-FIELD Level @3m (dBuV/m)	ERP Substitution measured by Method (dBm)	(dBc)	EMI Receiver Detector (Peak/QP)	ANTENNA PLANE (H/V)	LIMIT (dBc)	MARGIN (dB)	PASS/ FAIL
30 – 10000	**	**	**	PEAK	V & H	-47.1	**	PASS
• The emissions were scanned from 30 MHz to 10 GHz and no significant rf spurious/harmonic emissions were found to be less than 20 dB below the FCC Limits.								

6.10.5.5. Band 896-902 MHz

6.10.5.5.1. Lowest Frequency (896 MHz)

FREQUENCY (MHz)	E-FIELD Level @3m (dBuV/m)	ERP Substitution measured by Method (dBm)	ERP Substitution measured by Method (dBc)	EMI Receiver Detector (Peak/QP)	ANTENNA PLANE (H/V)	LIMIT (dBc)	MARGIN (dB)	PASS/ FAIL
30 – 10000	**	**	**	PEAK	V & H	-55.9	**	PASS
• The emissions were scanned from 30 MHz to 10 GHz and no significant rf spurious/harmonic emissions were found to be less than 20 dB below the FCC Limits.								

6.10.5.5.2. Highest Frequency (902 MHz)

FREQUENCY (MHz)	E-FIELD Level @3m (dBuV/m)	ERP Substitution measured by Method (dBm)	ERP Substitution measured by Method (dBc)	EMI Receiver Detector (Peak/QP)	ANTENNA PLANE (H/V)	LIMIT (dBc)	MARGIN (dB)	PASS/ FAIL
30 – 10000	**	**	**	PEAK	V & H	-55.8	**	PASS
• The emissions were scanned from 30 MHz to 10 GHz and no significant rf spurious/harmonic emissions were found to be less than 20 dB below the FCC Limits.								

6.10.5.6. Band 928-941 MHz

6.10.5.6.1. Lowest Frequency (928 MHz)

FREQUENCY (MHz)	E-FIELD Level @3m (dBuV/m)	ERP Substitution measured by Method (dBm)	ERP Substitution measured by Method (dBc)	EMI Receiver Detector (Peak/QP)	ANTENNA PLANE (H/V)	LIMIT (dBc)	MARGIN (dB)	PASS/ FAIL
30 – 10000	**	**	**	PEAK	V & H	-56.7	**	PASS
• The emissions were scanned from 30 MHz to 10 GHz and no significant rf spurious/harmonic emissions were found to be less than 20 dB below the FCC Limits.								

6.10.5.6.2. Middle Frequency (934.5 MHz)

FREQUENCY (MHz)	E-FIELD Level @3m (dBuV/m)	ERP Substitution measured by Method (dBm)	ERP Substitution measured by Method (dBc)	EMI Receiver Detector (Peak/QP)	ANTENNA PLANE (H/V)	LIMIT (dBc)	MARGIN (dB)	PASS/ FAIL
30 – 10000	**	**	**	PEAK	V & H	-57.4	**	PASS
• The emissions were scanned from 30 MHz to 10 GHz and no significant rf spurious/harmonic emissions were found to be less than 20 dB below the FCC Limits.								

6.10.5.6.3. Highest Frequency (941 MHz)

FREQUENCY (MHz)	E-FIELD Level @3m (dBuV/m)	ERP Substitution measured by Method (dBm)	ERP Substitution measured by Method (dBc)	EMI Receiver Detector (Peak/QP)	ANTENNA PLANE (H/V)	LIMIT (dBc)	MARGIN (dB)	PASS/ FAIL
30 – 10000	**	**	**	PEAK	V & H	-57.2	**	PASS
• The emissions were scanned from 30 MHz to 10 GHz and no significant rf spurious/harmonic emissions were found to be less than 20 dB below the FCC Limits.								

EXHIBIT 7. MEASUREMENT UNCERTAINTY

The measurement uncertainties stated were calculated in accordance with the requirements of NIST Technical Note 1297 and NIS 81 (1994)

7.1. RADIATED EMISSION MEASUREMENT UNCERTAINTY

CONTRIBUTION (Radiated Emissions)	PROBABILITY DISTRIBUTION	UNCERTAINTY (± dB)	
		3 m	10 m
Antenna Factor Calibration	Normal (k=2)	±1.0	±1.0
Cable Loss Calibration	Normal (k=2)	±0.3	±0.5
EMI Receiver specification	Rectangular	±1.5	±1.5
Antenna Directivit	Rectangular	+0.5	+0.5
Antenna factor variation with height	Rectangular	±2.0	±0.5
Antenna phase center variation	Rectangular	0.0	±0.2
Antenna factor frequency interpolation	Rectangular	±0.25	±0.25
Measurement distance variation	Rectangular	±0.6	±0.4
Site imperfections	Rectangular	±2.0	±2.0
Mismatch: Receiver VRC $\Gamma_1 = 0.2$ Antenna VRC $\Gamma_R = 0.67$(Bi) 0.3 (Lp) Uncertainty limits $20\text{Log}(1\pm\Gamma_1\Gamma_R)$	U-Shaped	+1.1 -1.25	±0.5
System repeatability	Std. Deviation	±0.5	±0.5
Repeatability of EUT		-	-
Combined standard uncertainty	Normal	+2.19 / -2.21	+1.74 / -1.72
Expanded uncertainty U	Normal (k=2)	+4.38 / -4.42	+3.48 / -3.44

Calculation for maximum uncertainty when 3m biconical antenna including a factor of k=2 is used:

$U = 2u_c(y) = 2x(+2.19) = +4.38$ dB And $U = 2u_c(y) = 2x(-2.21) = -4.42$ dB

EXHIBIT 8. MEASUREMENT METHODS

8.1. CONDUCTED POWER MEASUREMENTS

- The following shall be applied to the combination(s) of the radio device and its intended antenna(e).
- I f the RF level is user adjustable, all measurements shall be made with the highest power level available to the user for that combination.
- The following method of measurement shall apply to both conducted and radiated measurements.
- The radiated measurements are performed at the Ultratech Calibrated Open Field Test Site.
- The measurement shall be performed using normal operation of the equipment with modulation.

Test procedure shall be as follows:

Step 1: Duty Cycle measurements if the transmitter's transmission is transient

- Using a EMI Receiver with the frequency span set to 0 Hz and the sweep time set at a suitable value to capture the envelope peaks and the duty cycle of the transmitter output signal;
- The duty cycle of the transmitter, x = Tx on / (Tx on + Tx off) with $0<x<1$, is measure and recorded in the test report. For the purpose of testing, the equipment shall be operated with a duty cycle that is equal or more than 0.1.

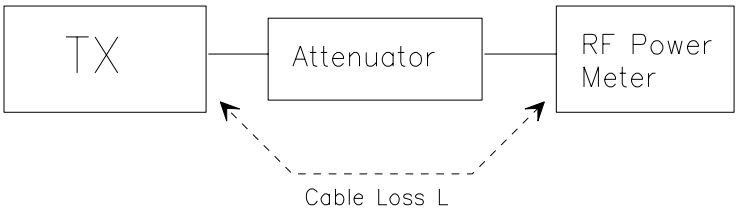
Step 2: Calculation of Average EIRP. See Figure 1

- The average output power of the transmitter shall be determined using a wideband, calibrated RF average power meter with the power sensor with an integration period that exceeds the repetition period of the transmitter by a factor 5 or more. The observed value shall be recorded as "A" (in dBm);
- The e.i.r.p. shall be calculated from the above measured power output "A", the observed duty cycle x, and the applicable antenna assembly gain "G" in dBi, according to the formula:

EIRP = A + G + 10log(1/x)

{ X = 1 for continuous transmission => 10log(1/x) = 0 dB }

Figure 1.



8.2. RADIATED POWER MEASUREMENTS (ERP & EIRP) USING SUBSTITUTION METHOD

8.2.1. Maximizing RF Emission Level (E-Field)

(a) The measurements was performed with full rf output power and modulation.
(b) Test was performed at listed 3m open area test site (listed with FCC, IC, ITI, NVLAP, ACA & VCCI).
(c) The transmitter under test was placed at the specified height on a non-conducting turntable (80 cm height)
(d) The BICONILOG antenna (20 MHz to 1 GHz) or HORN antenna (1 GHz to 18 GHz) was used for measuring.
(e) Load an appropriate correction factors file in EMI Receiver for correcting the field strength reading level

Total Correction Factor recorded in the EMI Receiver = Cable Loss + Antenna Factor
E (dBuV/m) = Reading (dBuV) + Total Correction Factor (dB/m)

(f) Set the EMI Receiver and #2 as follows:

Center Frequency:	test frequency
Resolution BW:	100 kHz
Video BW:	same
Detector Mode:	positive
Average:	off
Span:	3 x the signal bandwidth

(g) The test antenna was lowered or raised from 1 to 4 meters until the maximum signal level was detected.
(h) The transmitter was rotated through 360^{o} about a vertical axis until a higher maximum signal was received.
(i) The test antenna was lowered or raised again from 1 to 4 meters until a maximum was obtained. This level was recorded.
(j) The recorded reading was corrected to the true field strength level by adding the antenna factor, cable loss and subtracting the pre-amplifier gain.
(k) The above steps were repeated with both transmitters' antenna and test receiving antenna placed in vertical and horizontal polarization. Both readings with the antennas placed in vertical and horizontal polarization shall be recorded.
(l) Repeat for all different test signal frequencies

8.2.2. Measuring the EIRP of Spurious/Harmonic Emissions using Substitution Method

(a) Set the EMI Receiver (for measuring E-Field) and Receiver #2 (for measuring EIRP) as follows:

Center Frequency:	equal to the signal source
Resolution BW:	10 kHz
Video BW:	same
Detector Mode:	positive
Average:	off
Span:	3 x the signal bandwidth

(b) Load an appropriate correction factors file in EMI Receiver for correcting the field strength reading level

Total Correction Factor recorded in the EMI Receiver = Cable Loss + Antenna Factor
E (dBuV/m) = Reading (dBuV) + Total Correction Factor (dB/m)

(c) Select the frequency and E-field levels obtained in the Section 8.2.1 for ERP/EIRP measurements.
(d) Substitute the EUT by a signal generator and one of the following transmitting antenna (substitution antenna):
- DIPOLE antenna for frequency from 30-1000 MHz or
- HORN antenna for frequency above 1 GHz }.

(e) Mount the transmitting antenna at 1.5 meter high from the ground plane.
(f) Use one of the following antenna as a receiving antenna:
- DIPOLE antenna for frequency from 30-1000 MHz or
- HORN antenna for frequency above 1 GHz }.

(g) If the DIPOLE antenna is used, tune it's elements to the frequency as specified in the calibration manual.
(h) Adjust both transmitting and receiving antenna in a VERTICAL polarization.
(i) Tune the EMI Receivers to the test frequency.
(j) Lower or raise the test antenna from 1 to 4 meters until the maximum signal level was detected.
(k) The transmitter was rotated through 360^{o} about a vertical axis until a higher maximum signal was received.
(l) Lower or raise the test antenna from 1 to 4 meters until the maximum signal level was detected.
(m) Adjust input signal to the substitution antenna until an equal or a known related level to that detected from the transmitter was obtained in the test receiver.
(n) Record the power level read from the Average Power Meter and calculate the ERP/EIRP as follows:

P = P1 - L1 = (P2 + L2) – L1 = P3 + A + L2 - L1
EIRP = P + G1 = P3 + L2 - L1 + A + G1
ERP = EIRP – 2.15 dB
Total Correction factor in EMI Receiver # 2 = L2 – L1 + G1

Where: P: Actual RF Power fed into the substitution antenna port after corrected.
P1: Power output from the signal generator
P2: Power measured at attenuator A input
P3: Power reading on the Average Power Meter
EIRP: EIRP after correction
ERP: ERP after correction

(o) Adjust both transmitting and receiving antenna in a HORIZONTAL polarization, then repeat step (k) to (o)
(p) Repeat step (d) to (o) for different test frequency
(q) Repeat steps (c) to (j) with the substitution antenna oriented in horizontal polarization.
(r) Actual gain of the EUT's antenna is the difference of the measured EIRP and measured RF power at the RF port. Correct the antenna gain if necessary.:

Figure 2

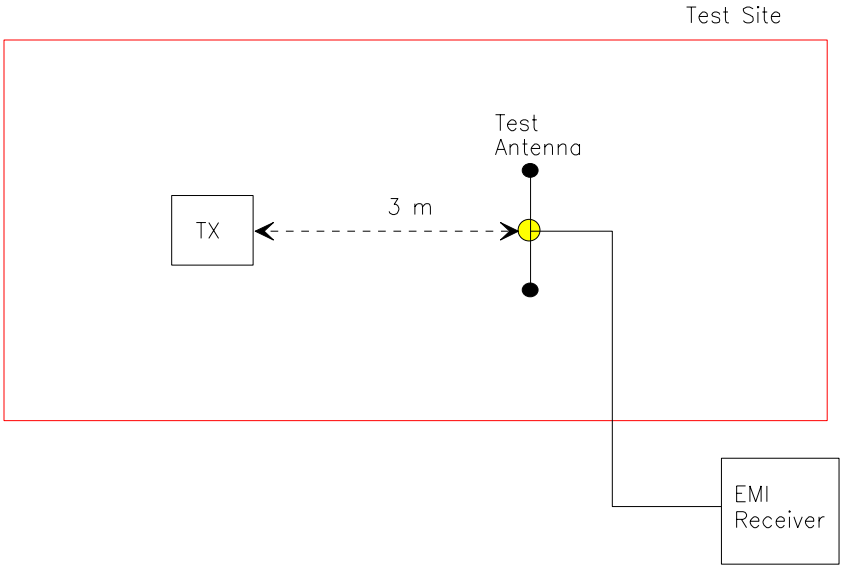
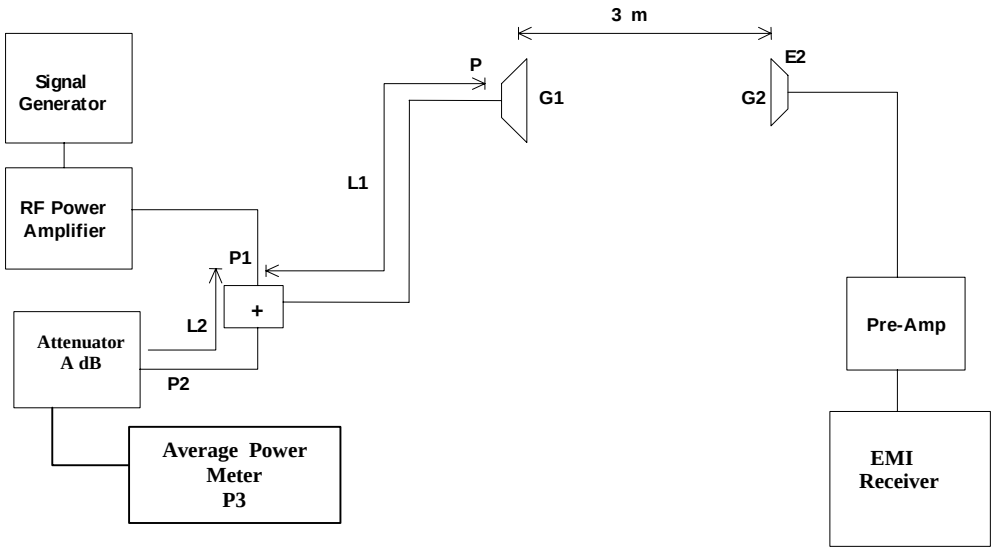


Figure 3



8.3. FREQUENCY STABILITY

Refer to FCC @ 2.1055.

(a) The frequency stability shall be measured with variation of ambient temperature as follows: From -30 to +50 centigrade except that specified in subparagraph (2) & (3) of this paragraph.

(b) Frequency measurements shall be made at extremes of the specified temperature range and at intervals of not more than 10 centigrade through the range. A period of time sufficient to stabilize all of the components of the oscillator circuit at each temperature level shall be allowed prior to frequency measurement. The short-term transient effects on the frequency of the transmitter due to keying (except for broadcast transmitters) and any heating element cycling normally occurring at each ambient temperature level also shall be shown. Only the portion or portions of the transmitter containing the frequency determining and stability circuitry need be subjected to the temperature variation test.

(d) The frequency stability supply shall be measured with variation of primary supply voltage as follows:

(1) Vary primary supply voltage from 85 to 115 percent of the nominal value for other than hand carried battery equipment.

(2) For hand carried, battery powered equipment, reduce primary supply voltage to the battery operating end point which shall be specified by the manufacturer.

(3) The supply voltage shall be measured at the input to the cable normally provide with the equipment, or at the power supply terminals if cables are not normally provided. Effects on frequency of transmitter keying (except for broadcast transmitters) and any heating element cycling at the nominal supply voltage and at each extreme also shall be shown.

(e) When deemed necessary, the Commission may require tests of frequency stability under conditions in addition to those specifically set out in paragraphs (a), (b), (c) and (d) of this section. (For example, measurements showing the effect of proximity to large metal objects, or of various types of antennas, may be required for portable equipment).

8.4. EMISSION MASK

Voice or Digital Modulation Through a Voice Input Port @ 2.1049(c)(i):- The transmitter was modulated by a 2.5 KHz tone signal at an input level 16 dB greater than that required to produce 50% modulation (e.g.: ±2.5 KHz peak deviation at 1 KHz modulating frequency). The input level was established at the frequency of maximum response of the audio modulating circuit.

Digital Modulation Through a Data Input Port @ 2.1049(h):- Transmitters employing digital modulation techniques - when modulated by an input signal such that its amplitude and symbol rate represent the maximum rated conditions under which the equipment will be operated. The signal shall be applied through any filter networks, pseudo-random generators or other devices required in normal service. Additionally, the Emission Masks shall be shown for operation with any devices used for modifying the spectrum when such devices are operational at the discretion of the user.

The following EMI Receiver bandwidth shall be used for measurement of Emission Mask/Out-of-Band Emission Measurements:

(1) For 25 kHz Channel Spacing: RBW = 300 Hz
(2) For 12.5 kHz or 6.25 kHz Channel Spacings: RBW = 100 Hz

The all cases the Video Bandwidth shall be equal or greater than the measuring bandwidth.

8.5. SPURIOUS EMISSIONS (CONDUCTED)

With transmitter modulation characteristics described in Out-of-Band Emissions measurements @ 2.1049, the transmitter spurious and harmonic emissions were scanned. The spurious and harmonic emissions were measured with the EMI Receiver controls set as RBW = 30 kHz minimum , VBW ≥ RBW and SWEEP TIME = AUTO). The transmitter was operated at a full rated power output, and modulated as follows:

FCC CFR 47, Para. 2.1057 - Frequency spectrum to be investigated:- The spectrum was investigated from the lowest radio generated in the equipment up to at least the 10^{th} harmonic of the carrier frequency or to the highest frequency practicable in the present state of the art of measuring techniques, whichever is lower. Particular attention should be paid to harmonics and subharmonics of the carrier frequency. Radiation at the frequencies of multiplier stages should be checked. The
amplitude of spurious emissions which are attenuated more than 20 dB below the permissible value need not be reported.

FCC CFR 47, Para. 2.1051 - Spurious Emissions at Antenna Terminal:- The radio frequency voltage or powers generated within the equipment and appearing on a spurious frequency shall be checked at the equipment output terminals when properly loaded with a suitable artificial antenna. Curves or equivalent data shall show the magnitude of the harmonic and other spurious emission that can be detected when the equipment is operated under the conditions specified in 2.1049 as appropriate. The magnitude of spurious emissions which are attenuated more than 20 dB below the permissible value need not be specified.