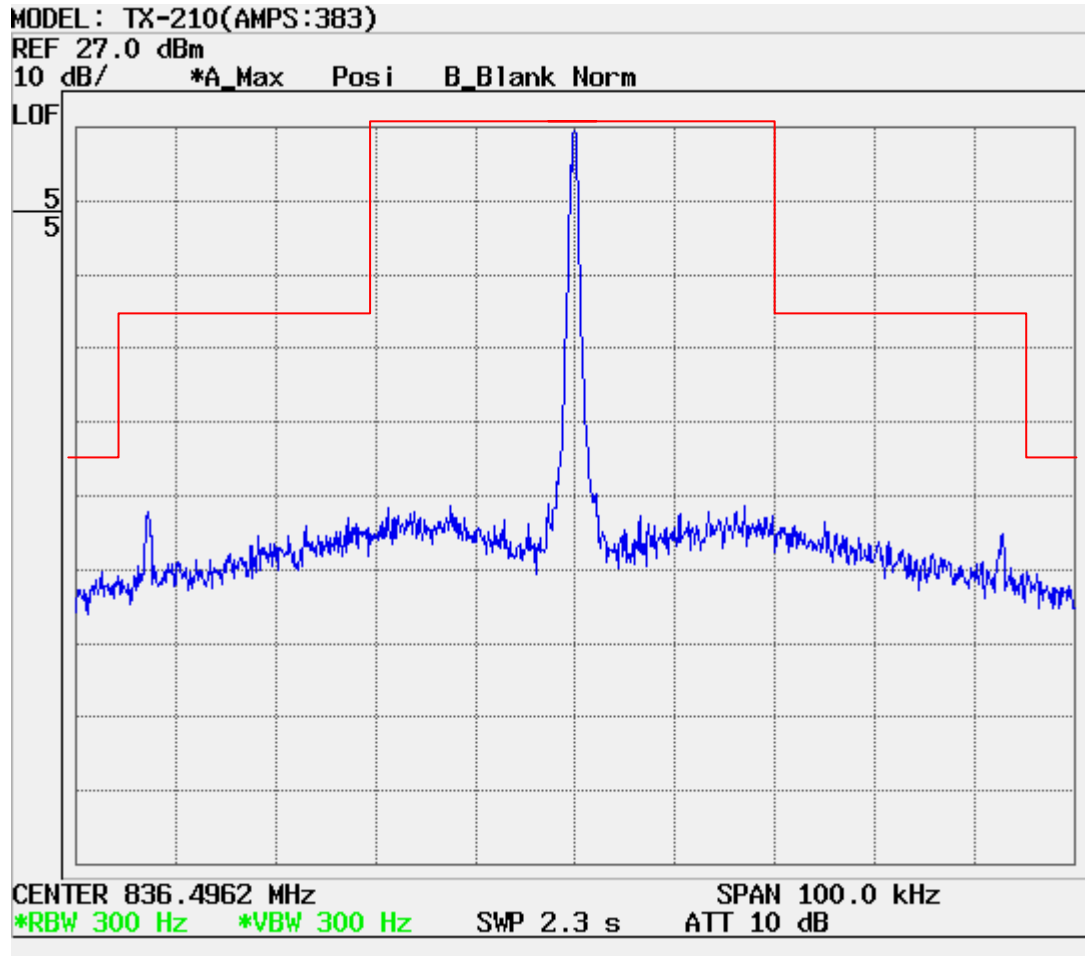
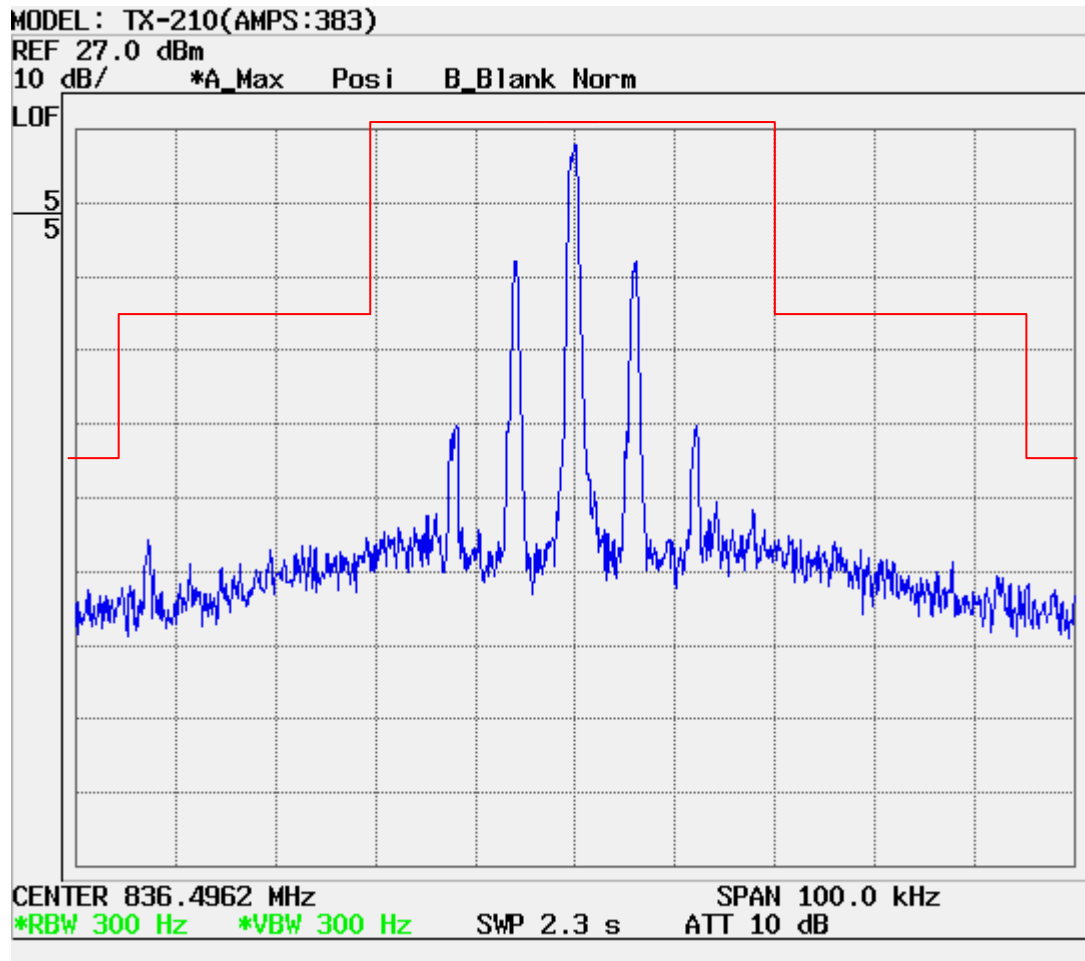


ATTACHMENT D – TEST PLOTS

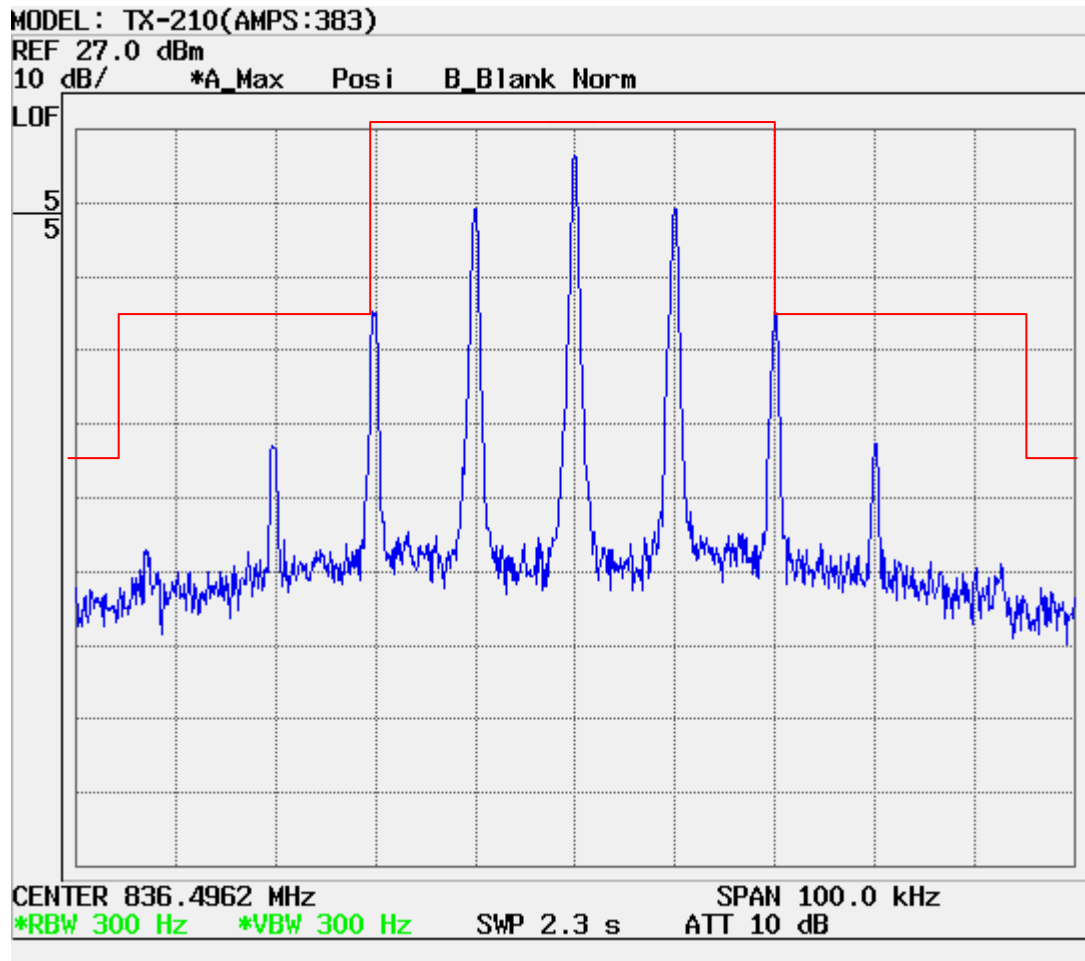
■ AMPS MODE (0383 CH.) Test Mode: Unmodulated Signal



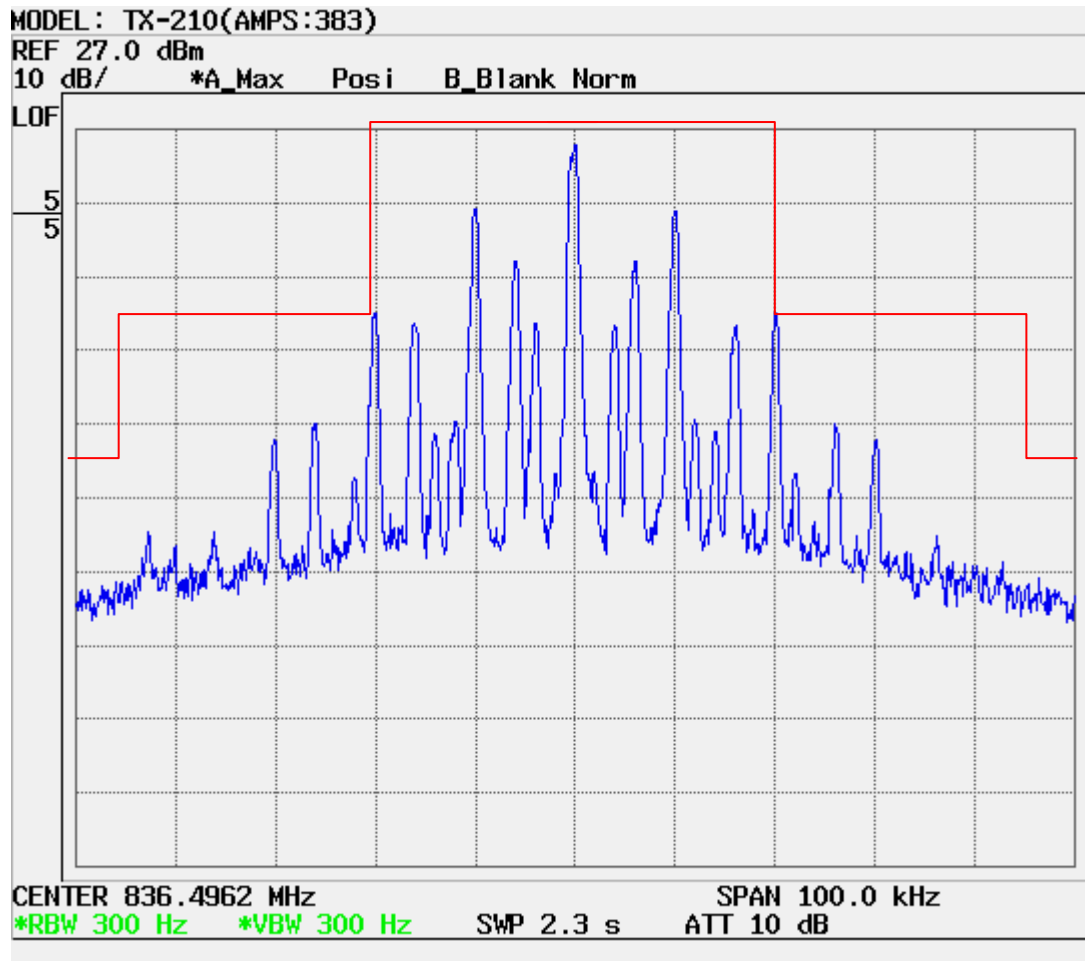
■ AMPS MODE (0383 CH.) Test Mode: SAT



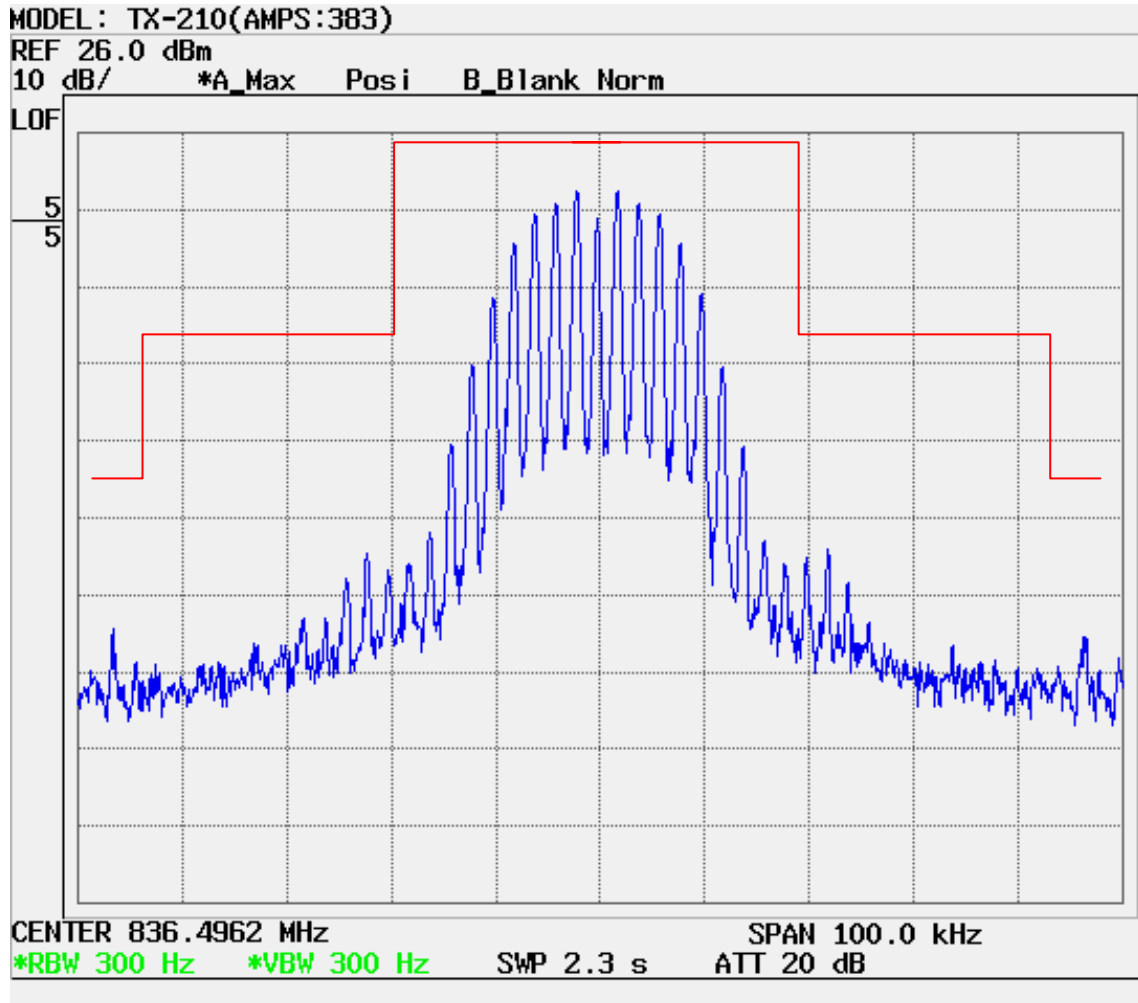
■ AMPS MODE (0383 CH.) Test Mode: ST



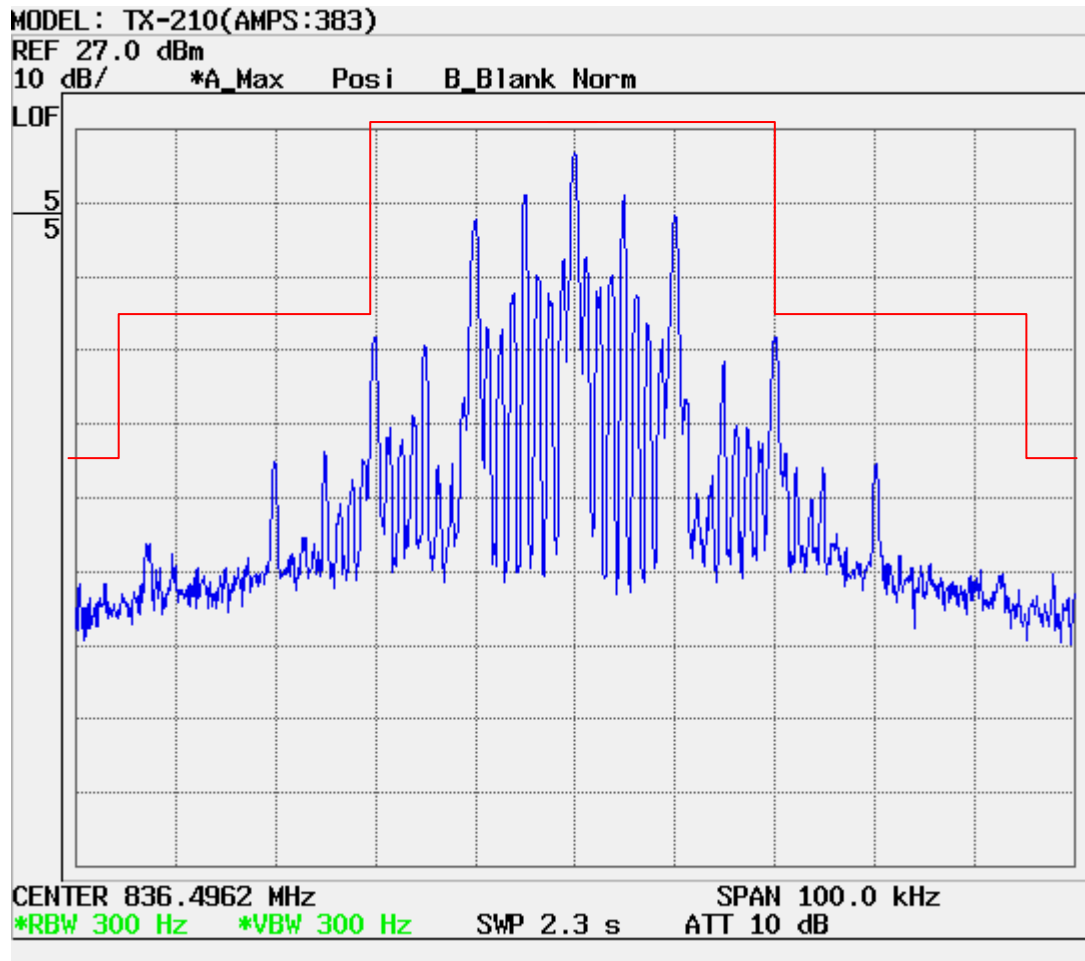
■ **AMPS MODE (0383 CH.) Test Mode: SAT+ST**



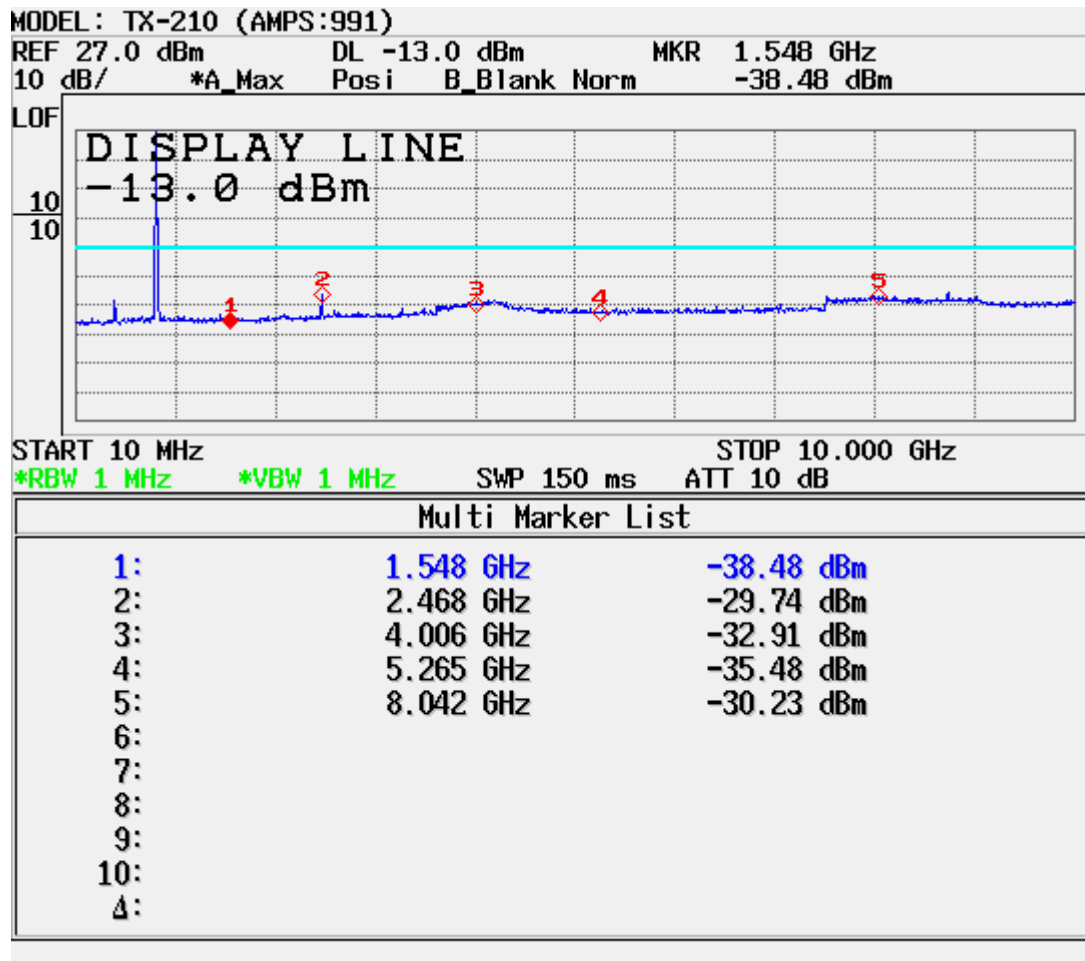
■ AMPS MODE (0383 CH.) Test Mode: Voice



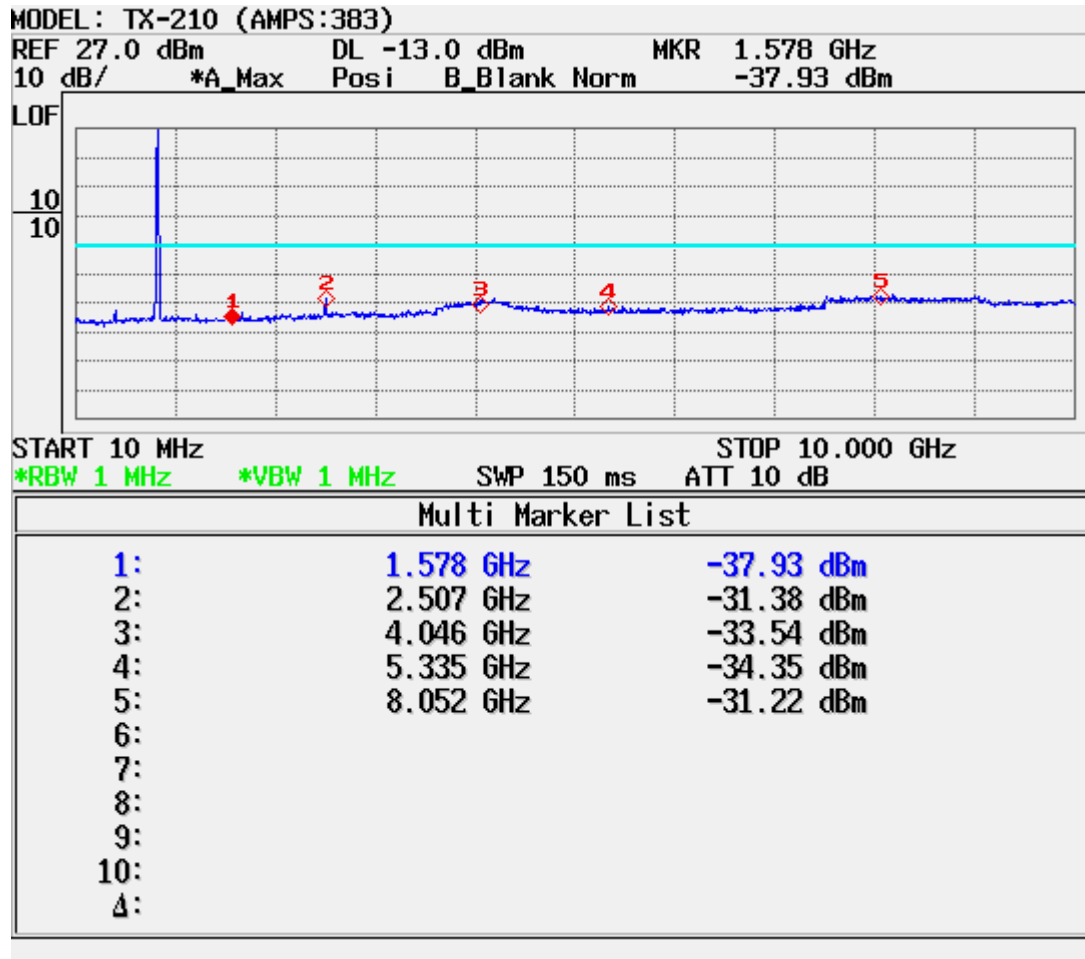
■ **AMPS MODE (0383 CH.) Test Mode: Wide Band Data**



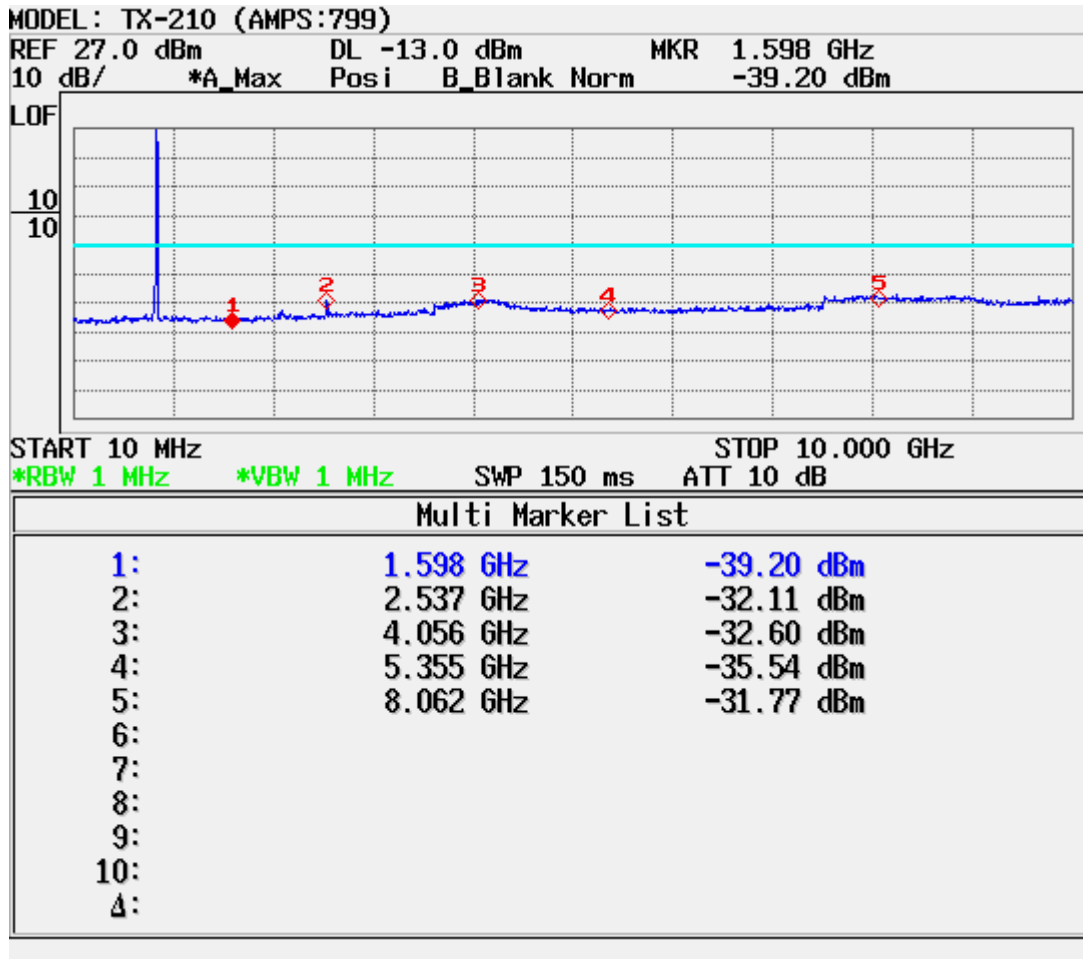
■ AMPS MODE (0991 CH.) Conducted Spurious



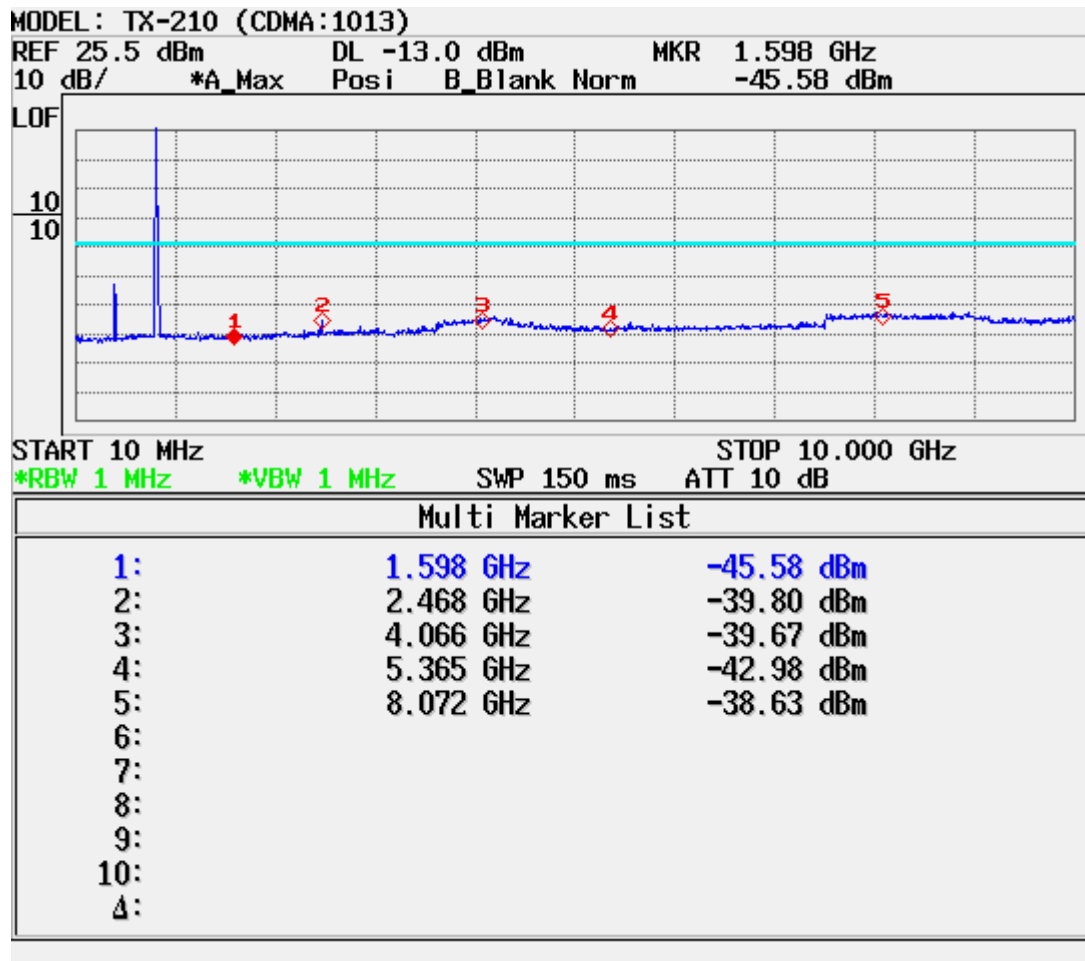
■ AMPS MODE (0383 CH.) Conducted Spurious



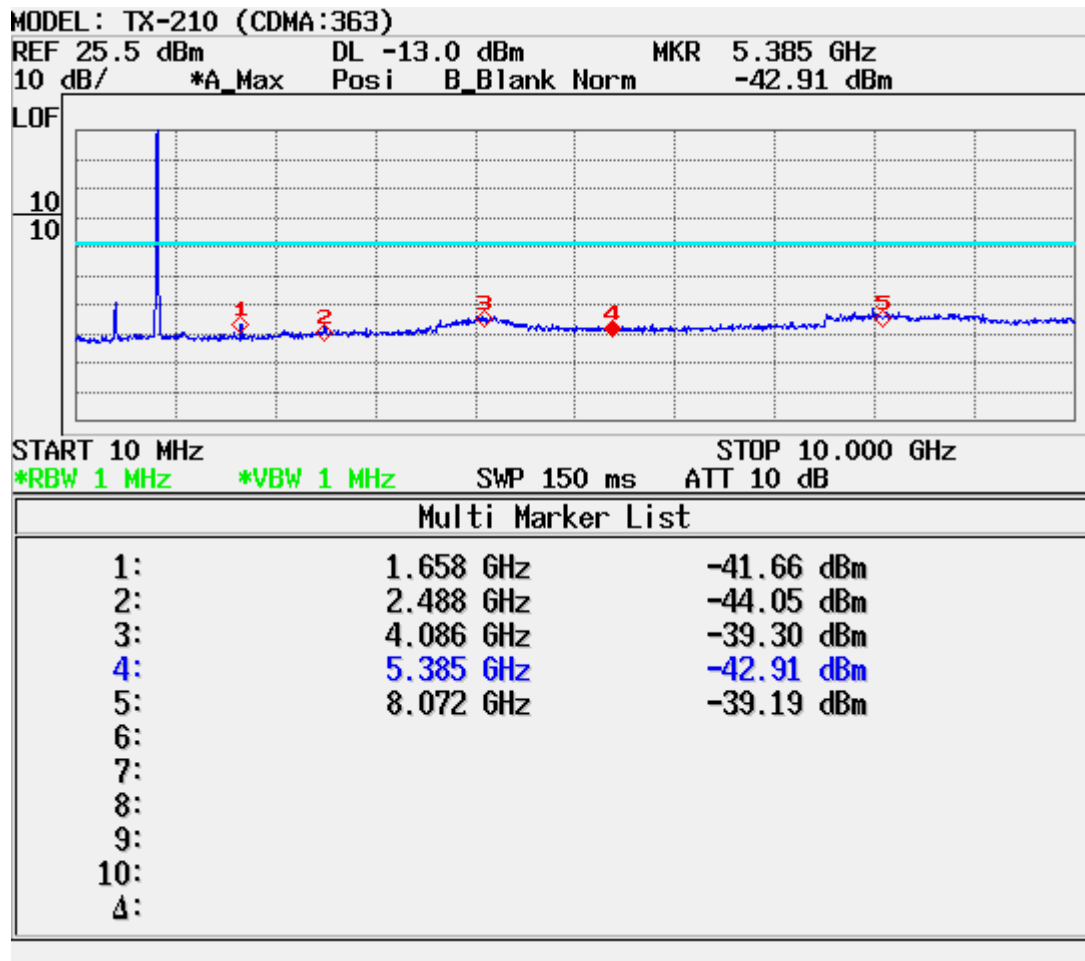
■ AMPS MODE (0799 CH.) Conducted Spurious



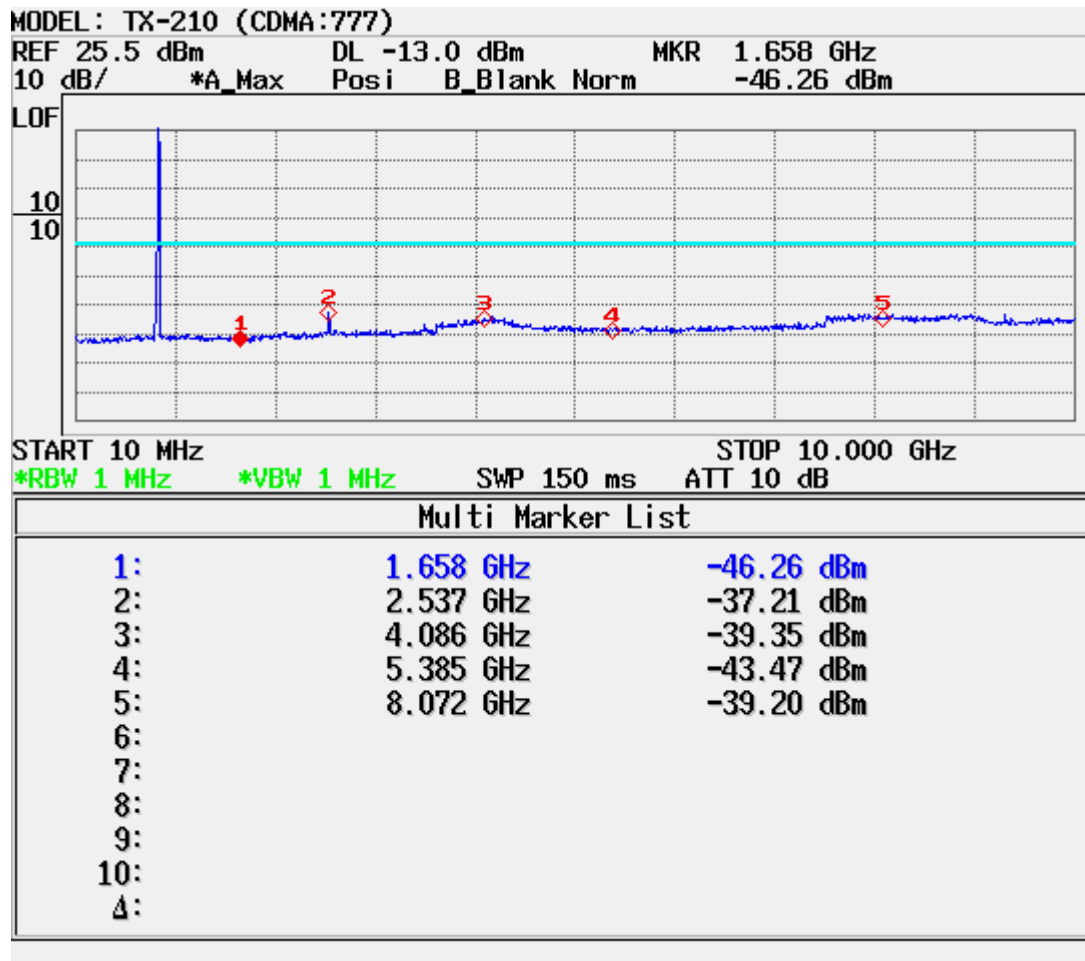
■ CDMA MODE (1013 CH.) Conducted Spurious



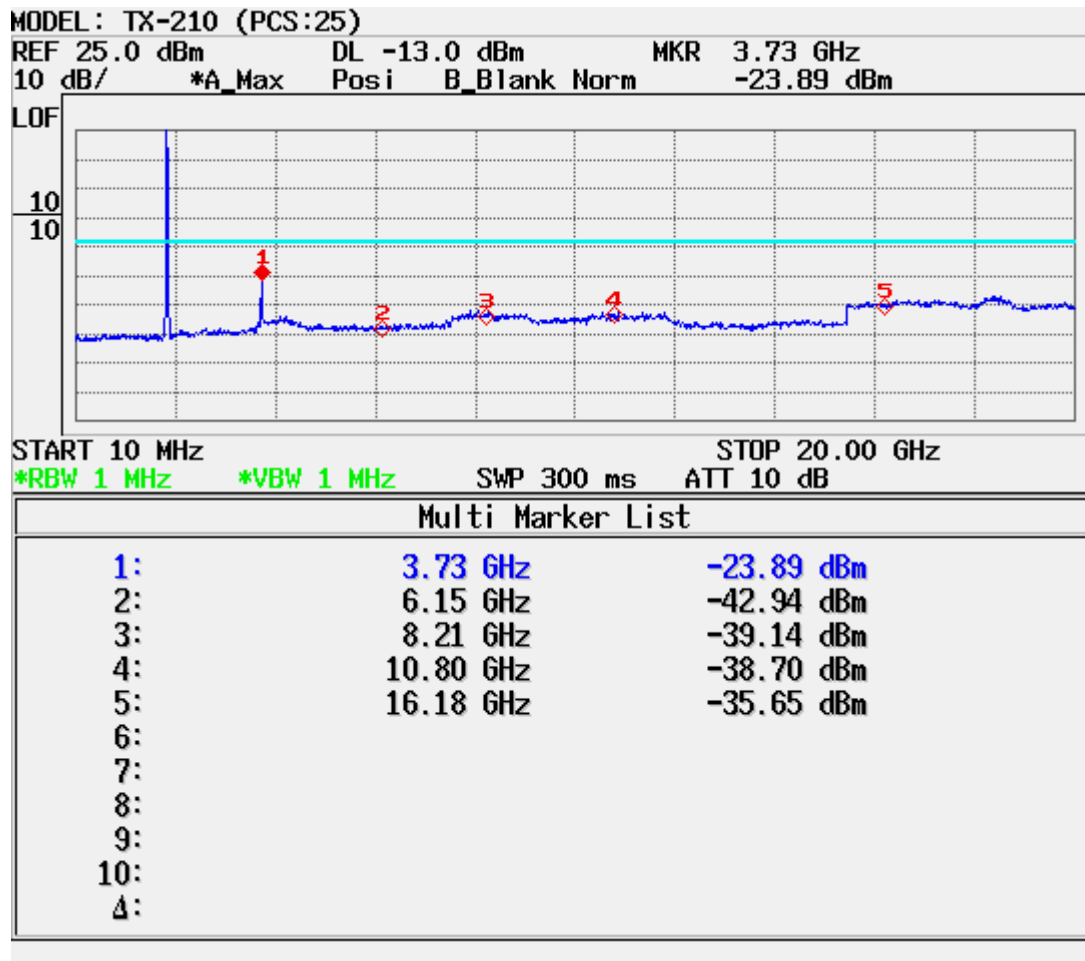
■ CDMA MODE (0363 CH.) Conducted Spurious



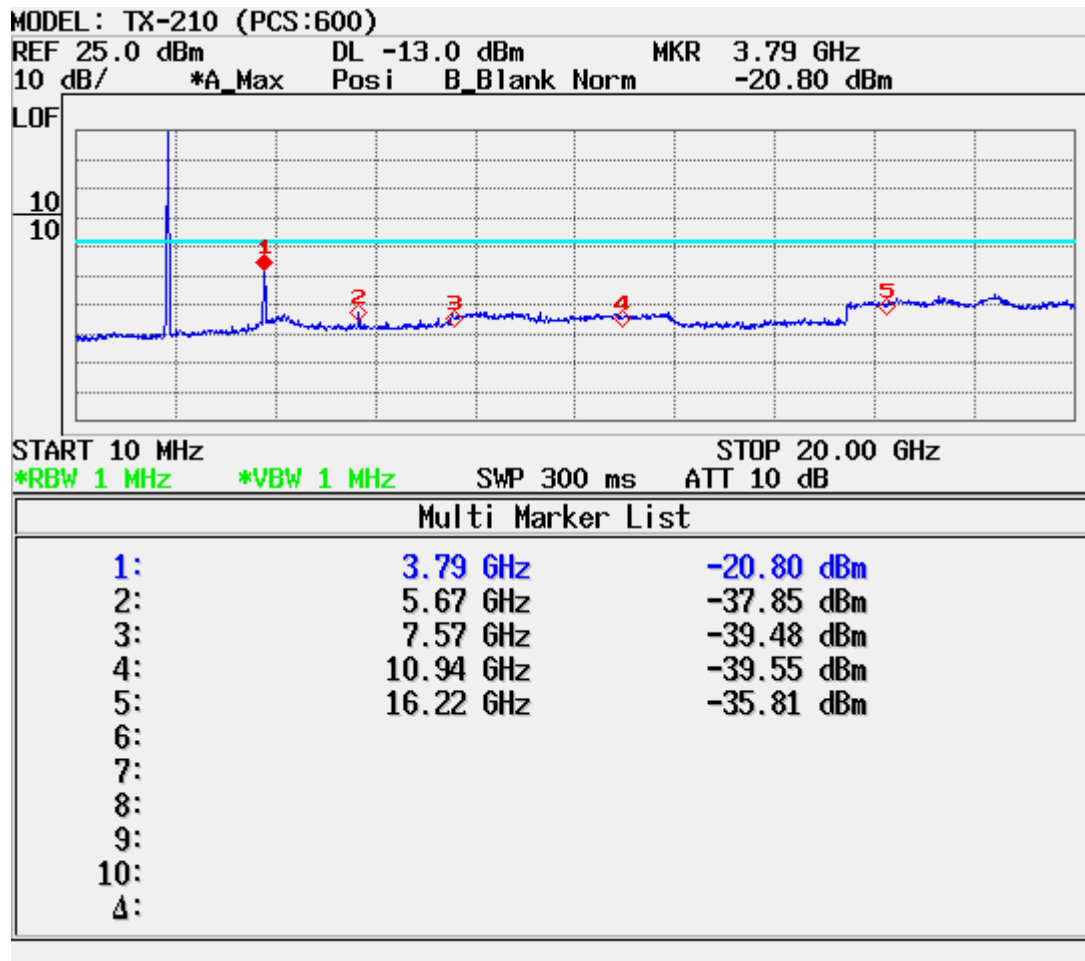
■ CDMA MODE (0777 CH.) Conducted Spurious



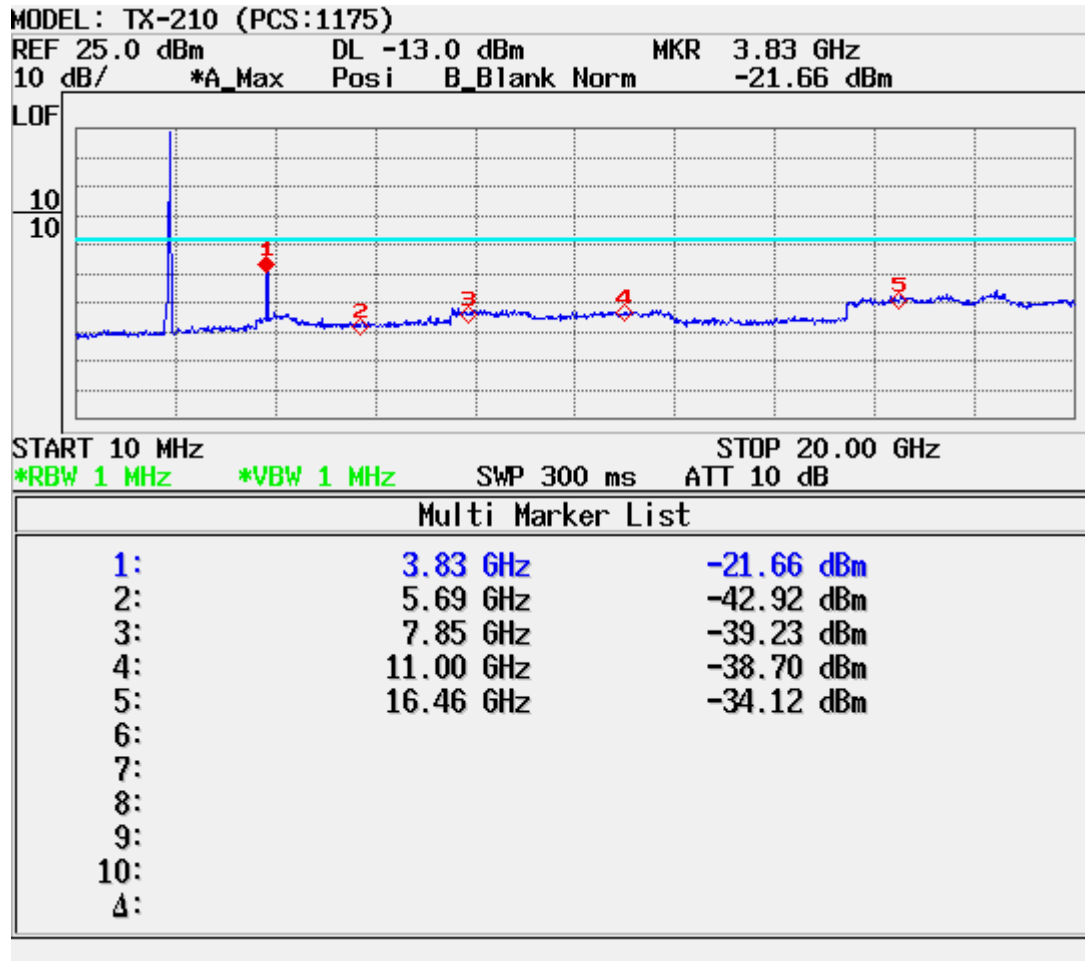
■ PCS CDMA MODE (0025 CH.) Conducted Spurious



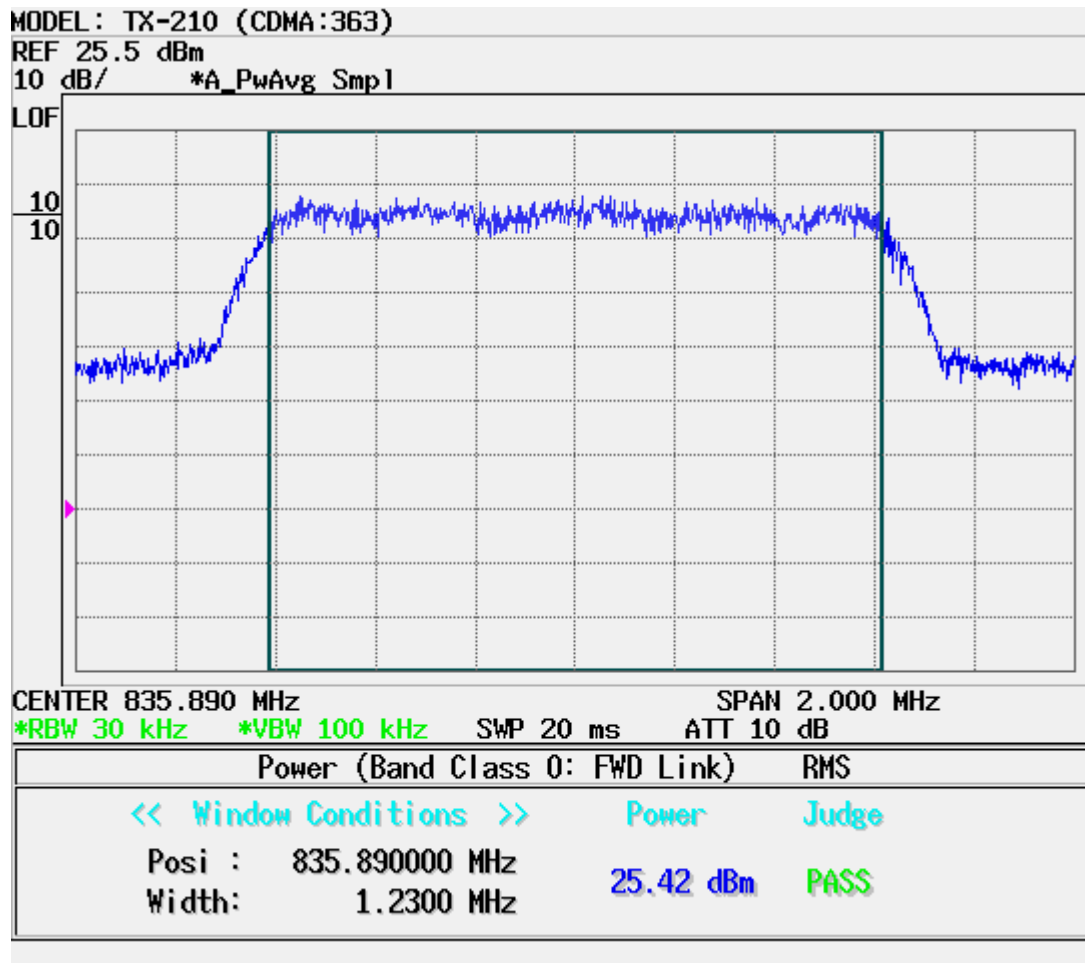
■ PCS CDMA MODE (0600 CH.) Conducted Spurious



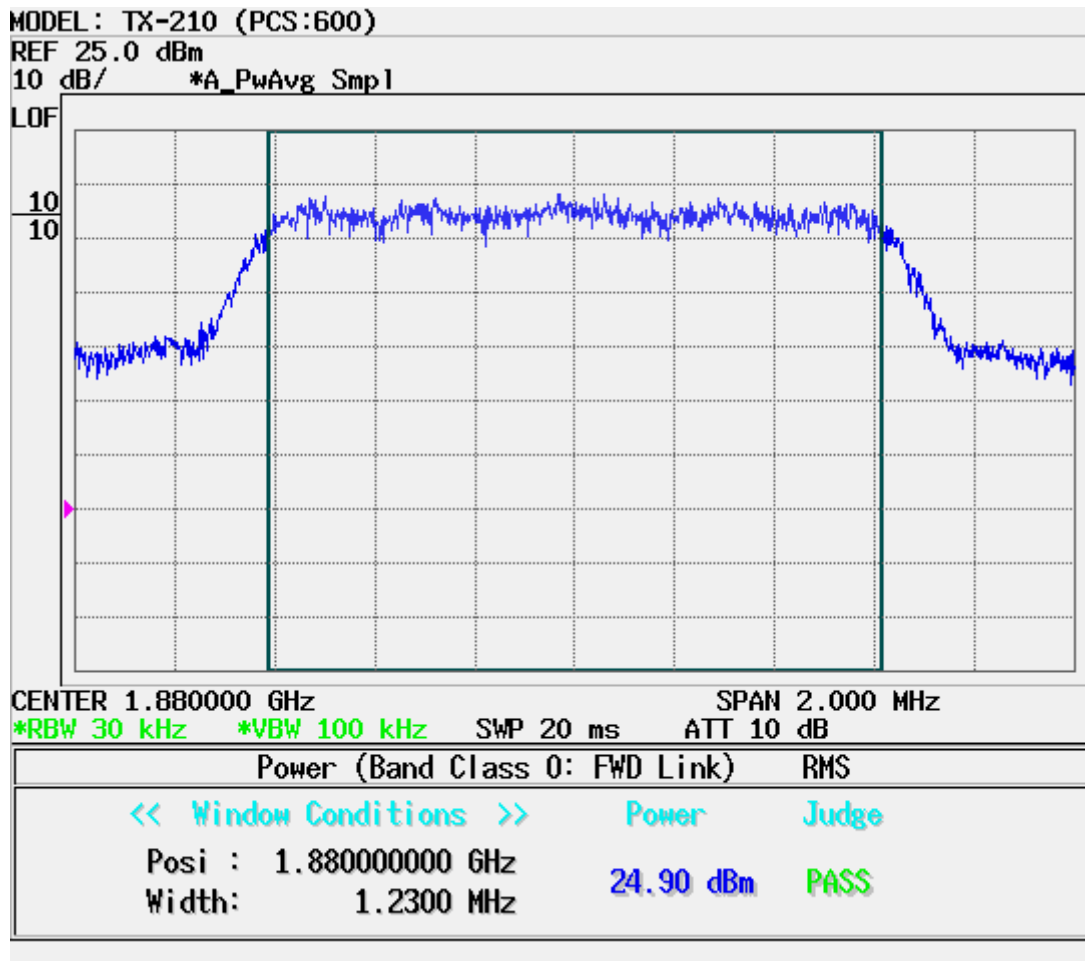
■ PCS CDMA MODE (1175 CH.) Conducted Spurious



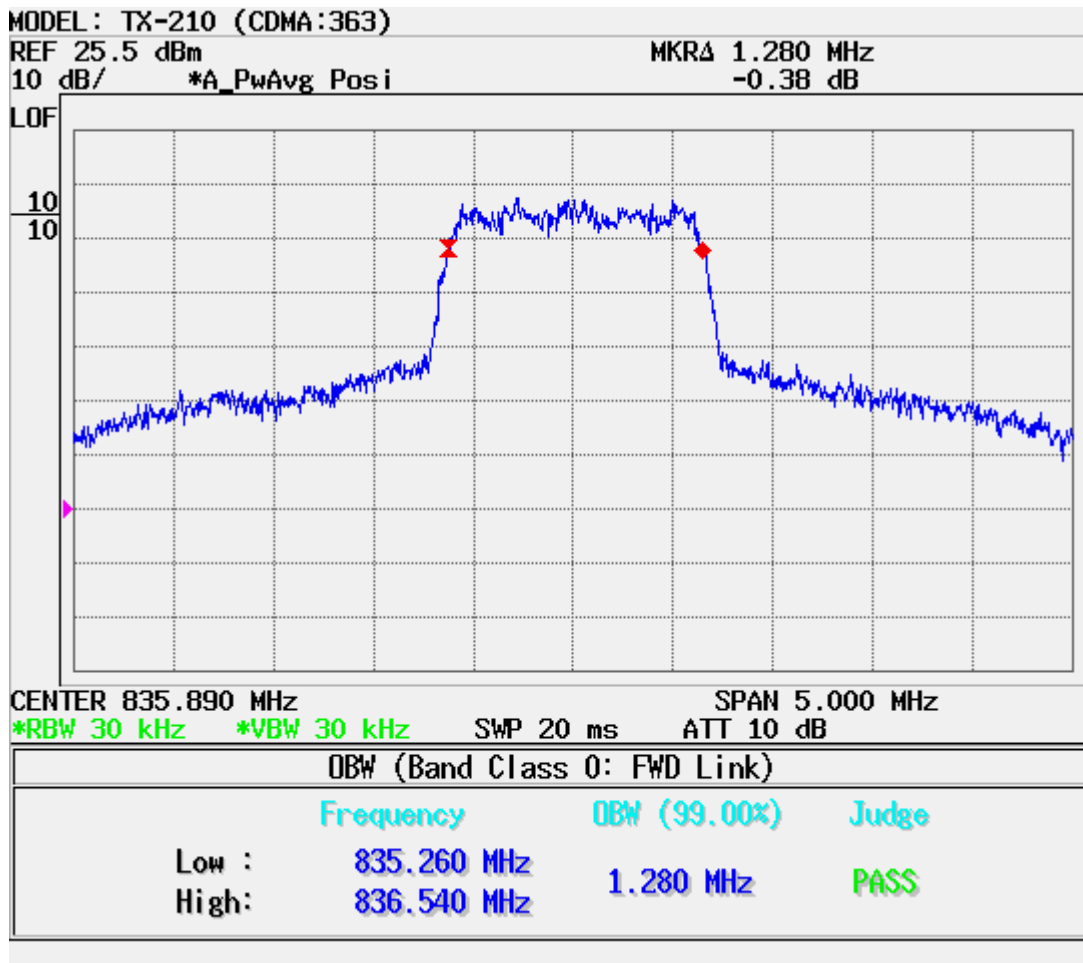
■ CDMA MODE (0363 CH.) : Channel Power



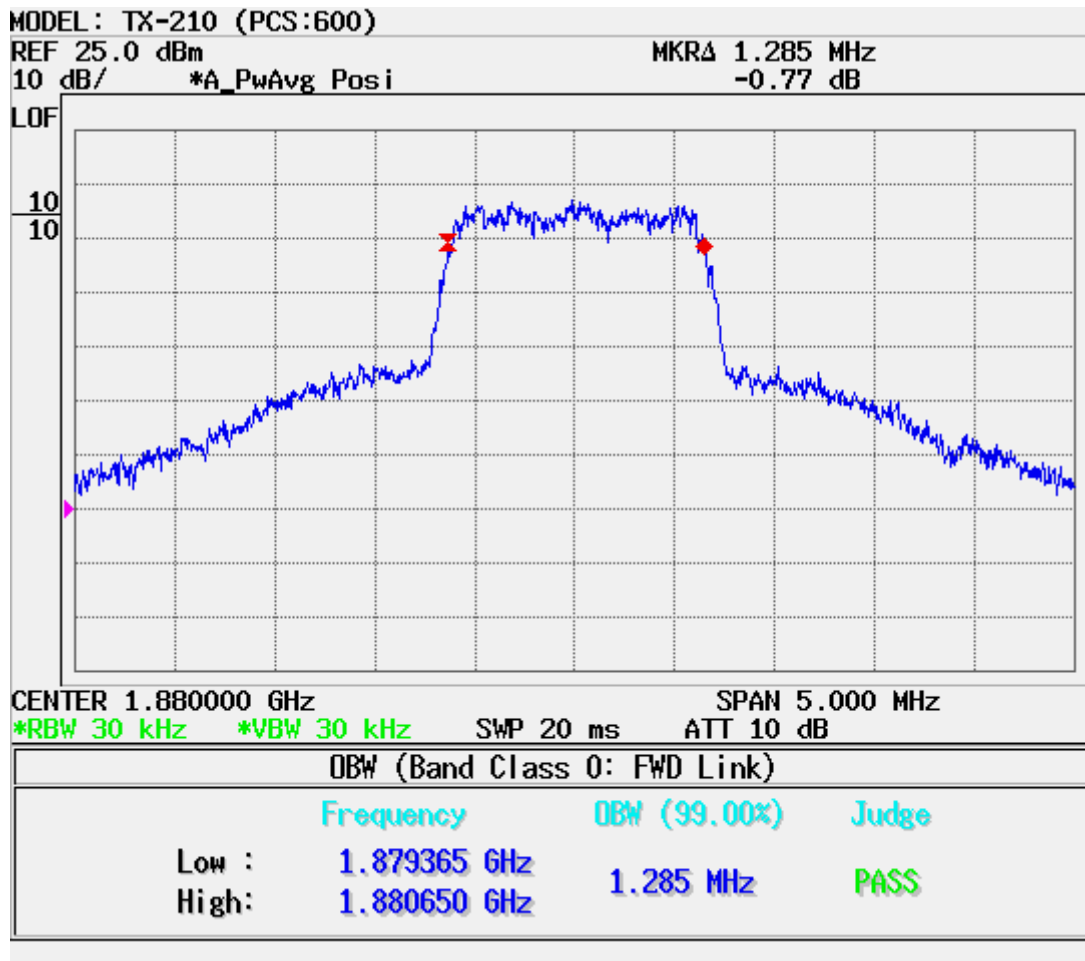
■ PCS CDMA MODE (0600 CH.) : Channel Power



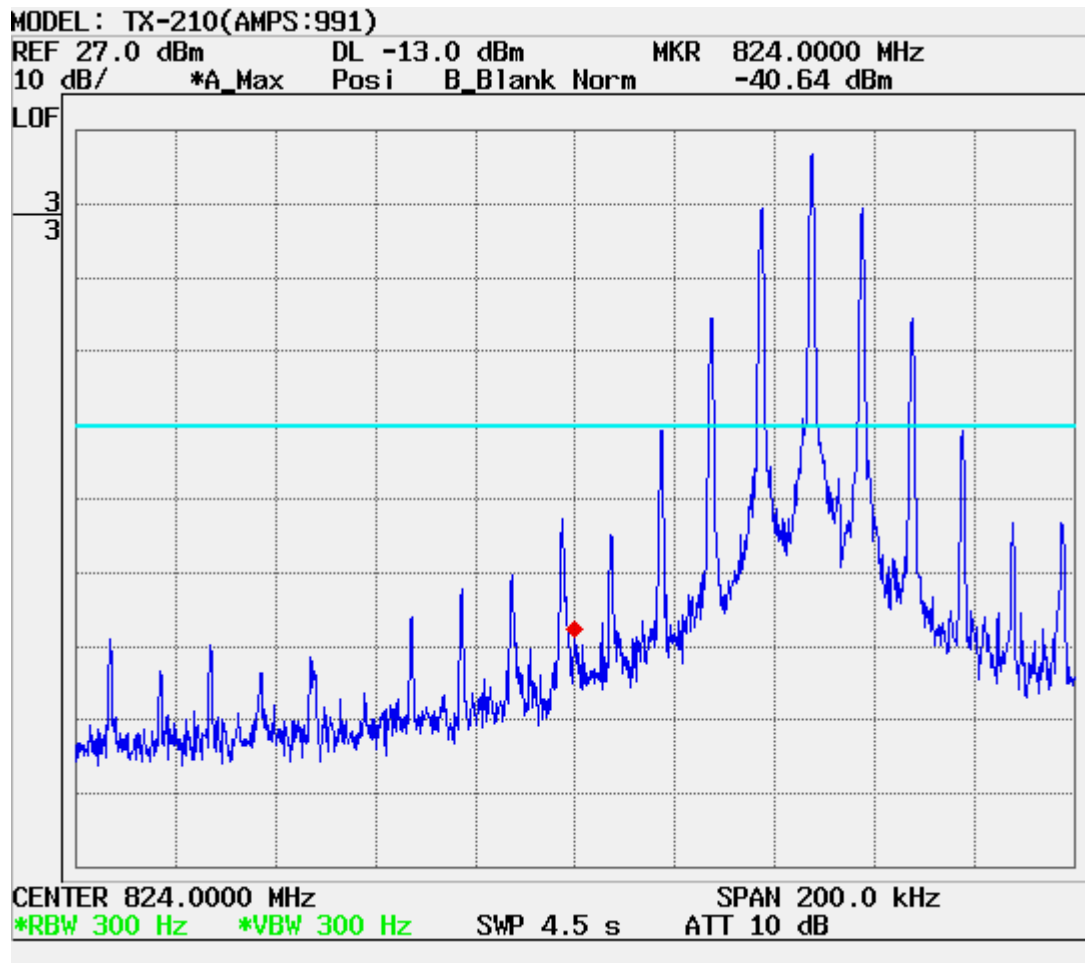
■ CDMA Mode (0363 CH.) : Occupied Bandwidth



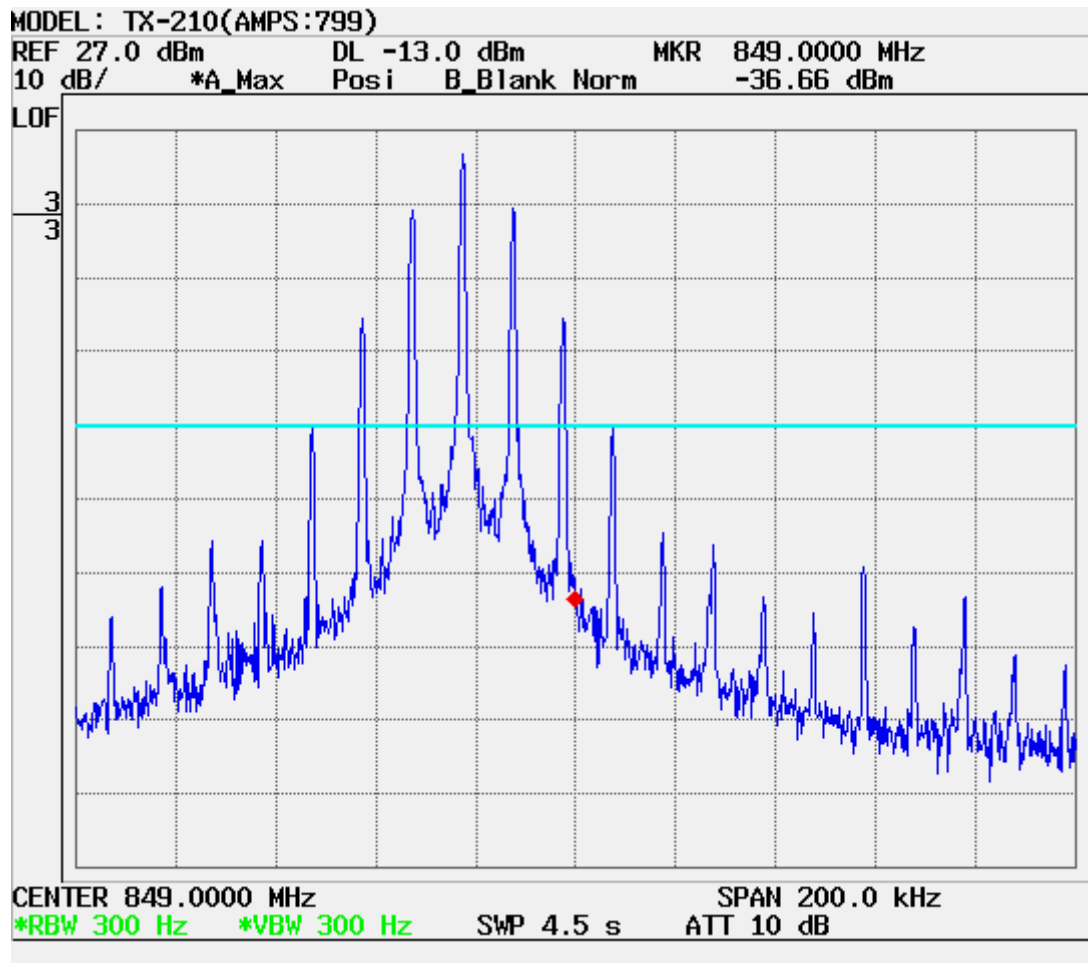
■ PCS CDMA Mode (0600 CH) : Occupied Bandwidth



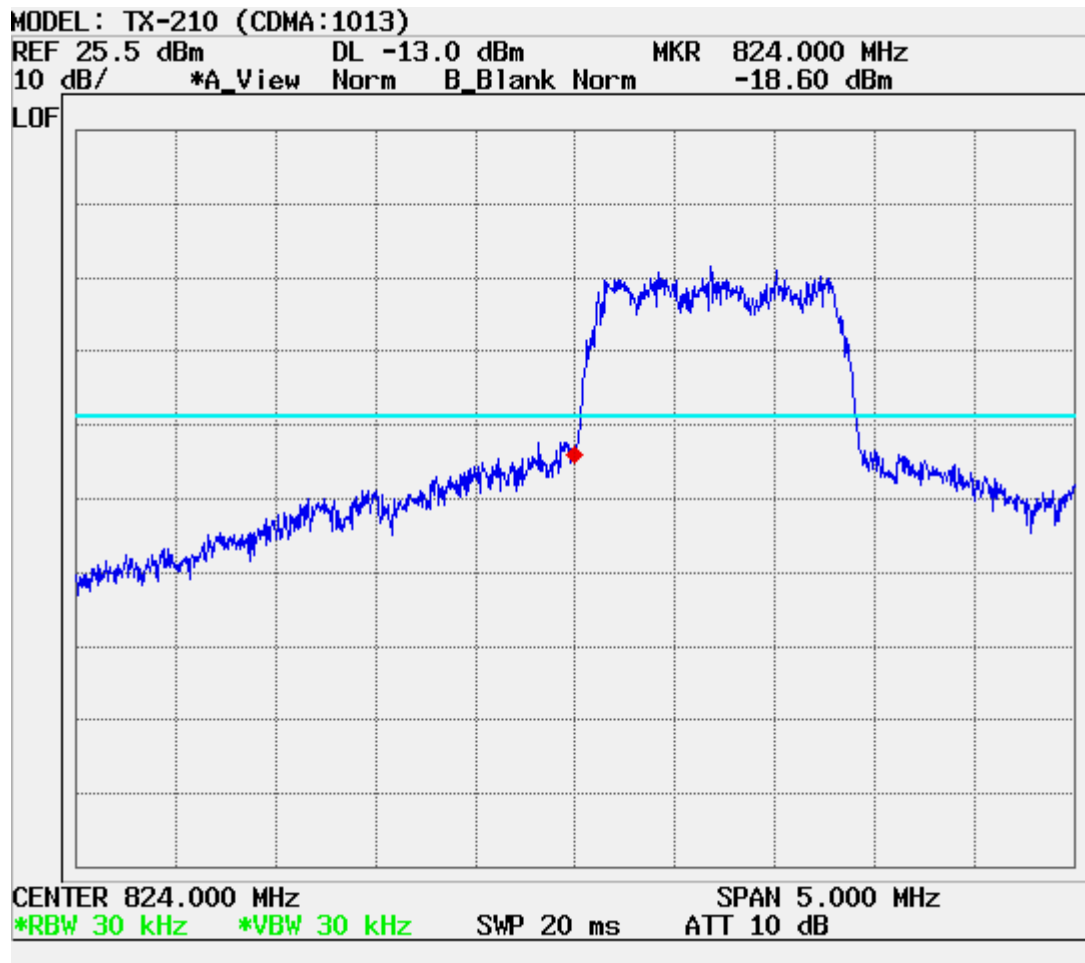
■ AMPS Mode (991 CH.) Block edge



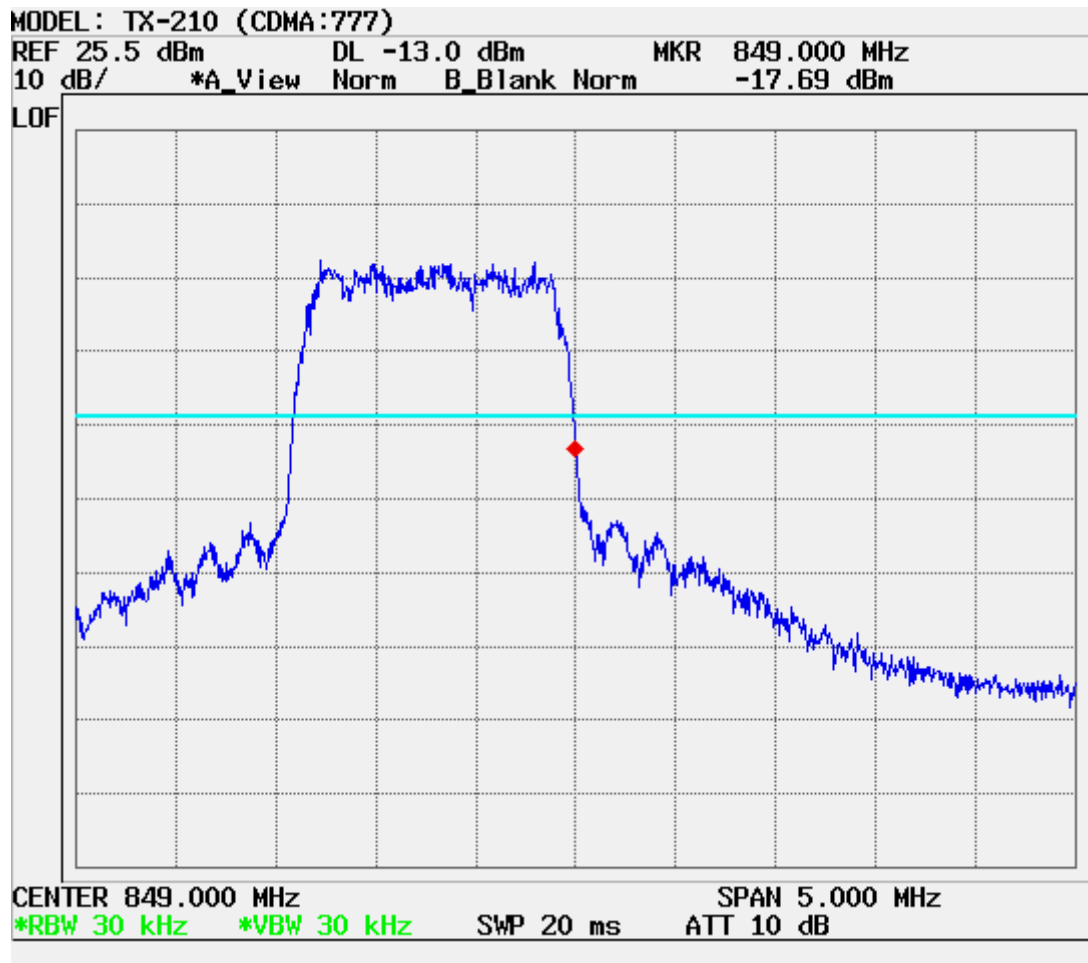
■ AMPS Mode (799 CH.) Band edge



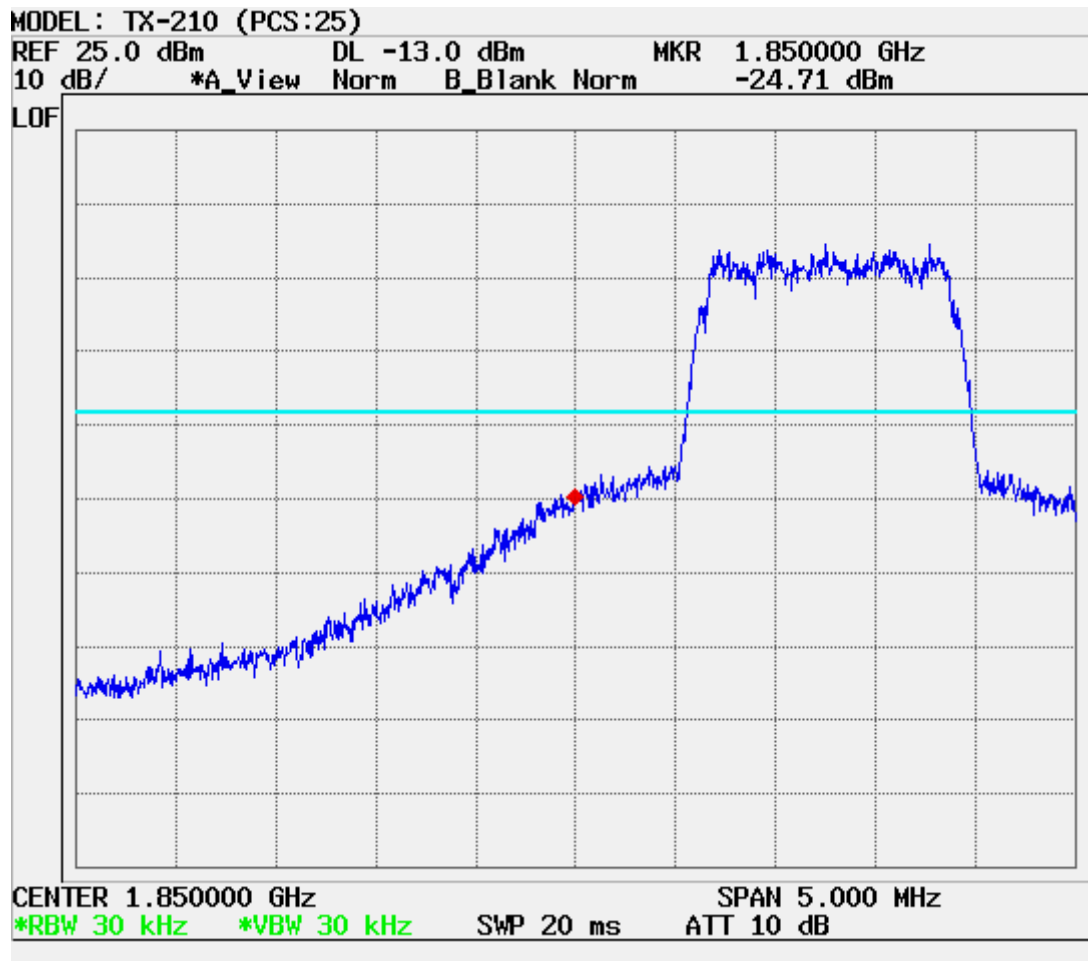
■ CDMA Cellular (1013 CH.) Band Edge



■ CDMA Cellular (777 CH.) Band Edge



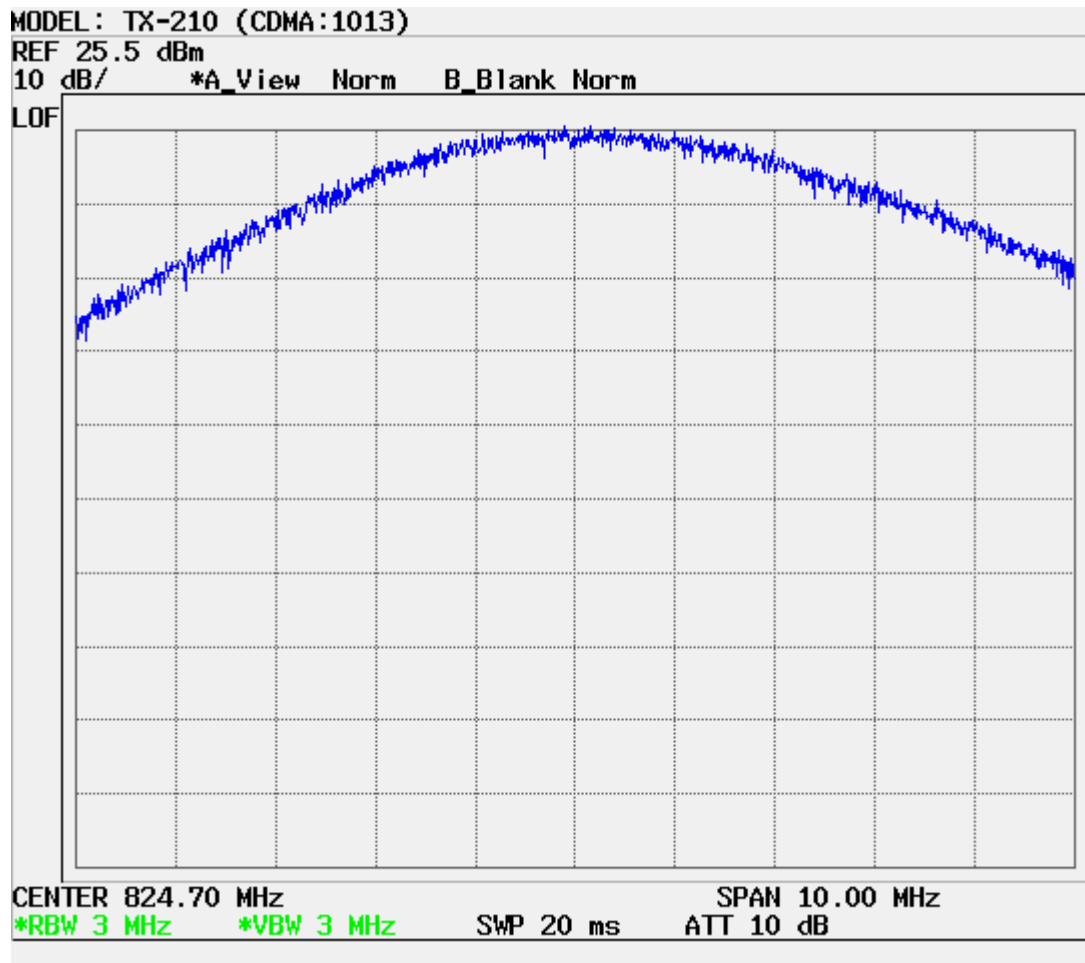
■ PCS Mode Band Edge (25 CH.)



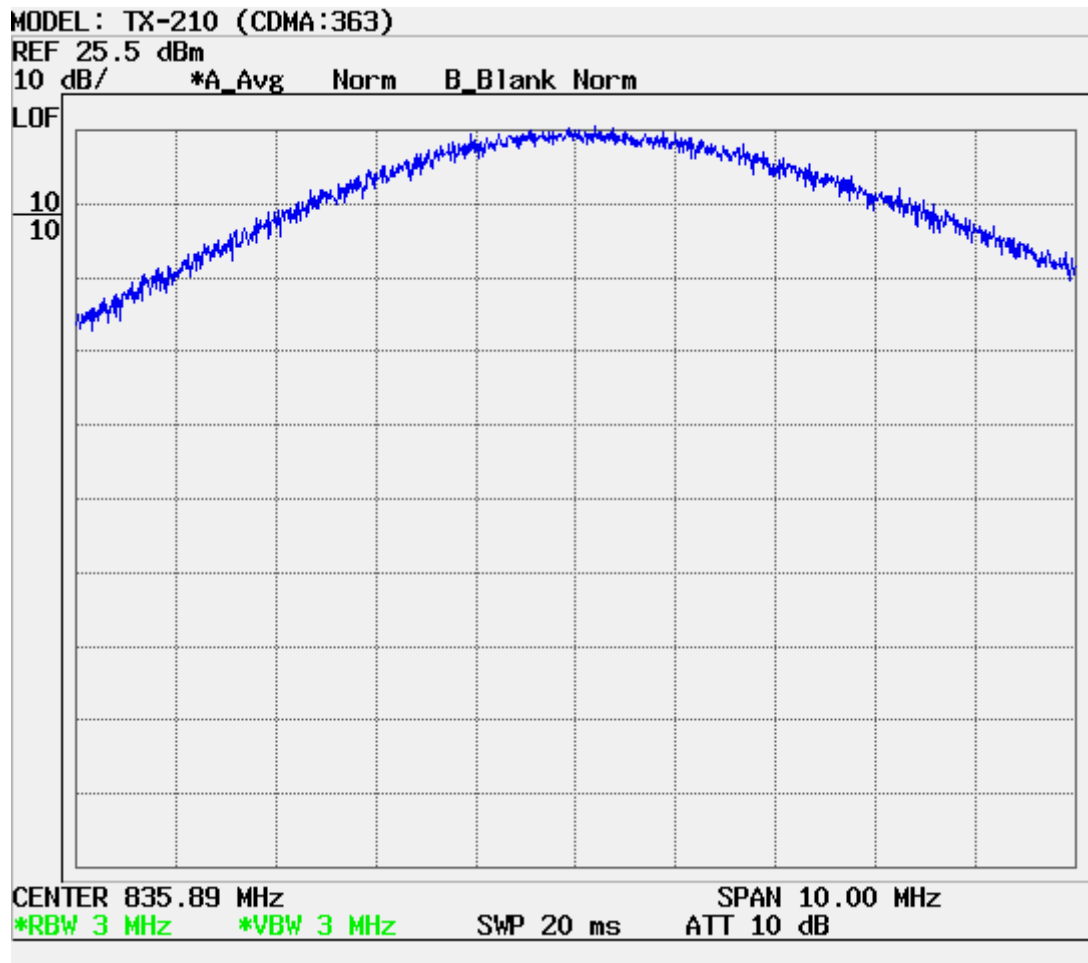
■ PCS Mode Band Edge (1175 CH.)



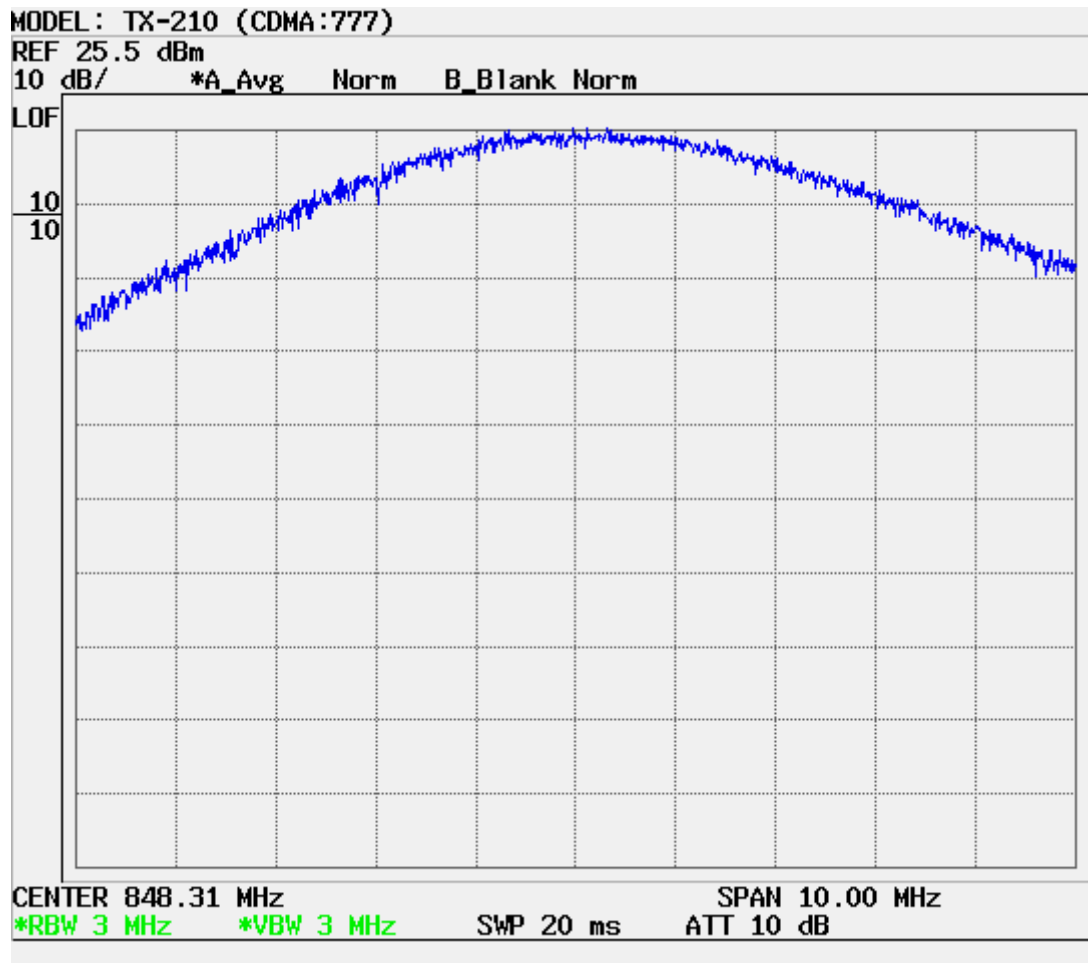
■ CDMA (1013 CH) Test Mode: POWER OUT



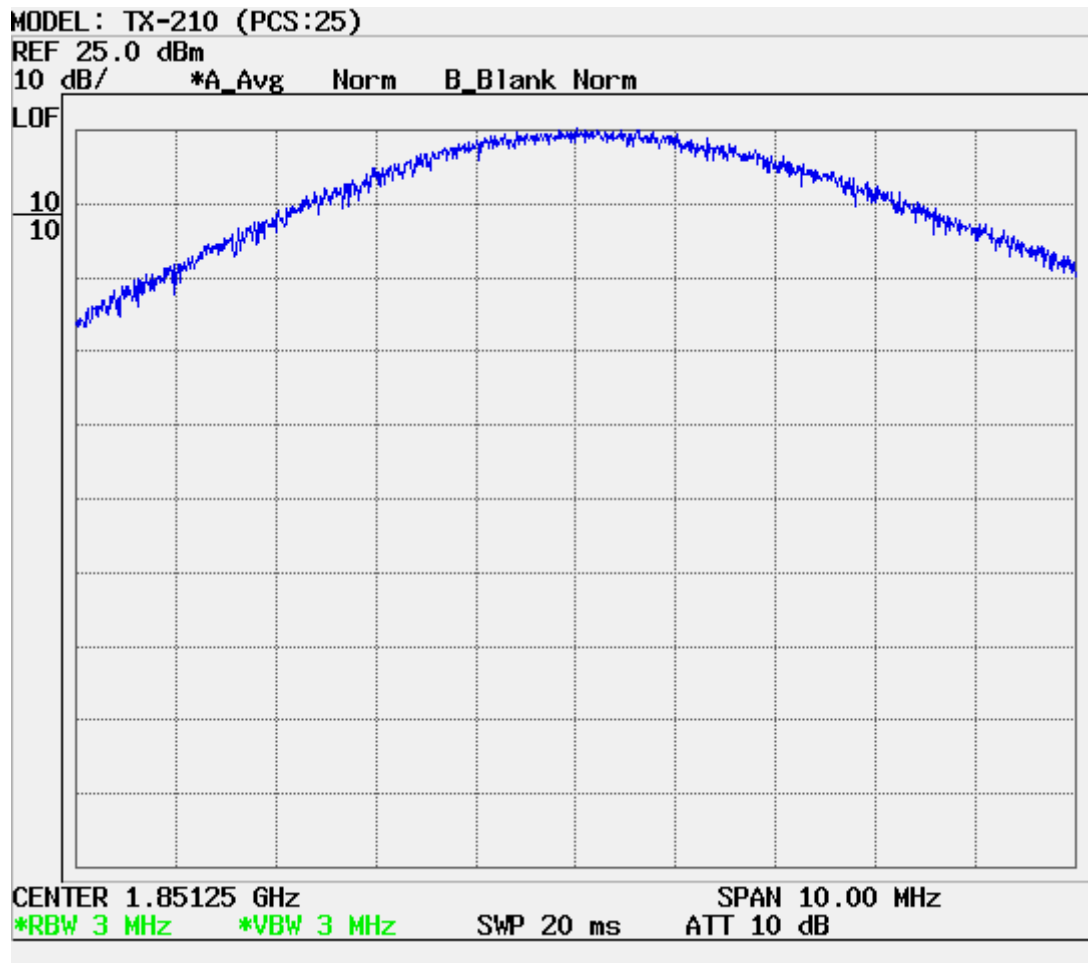
■ CDMA (0363 CH) Test Mode: POWER OUT



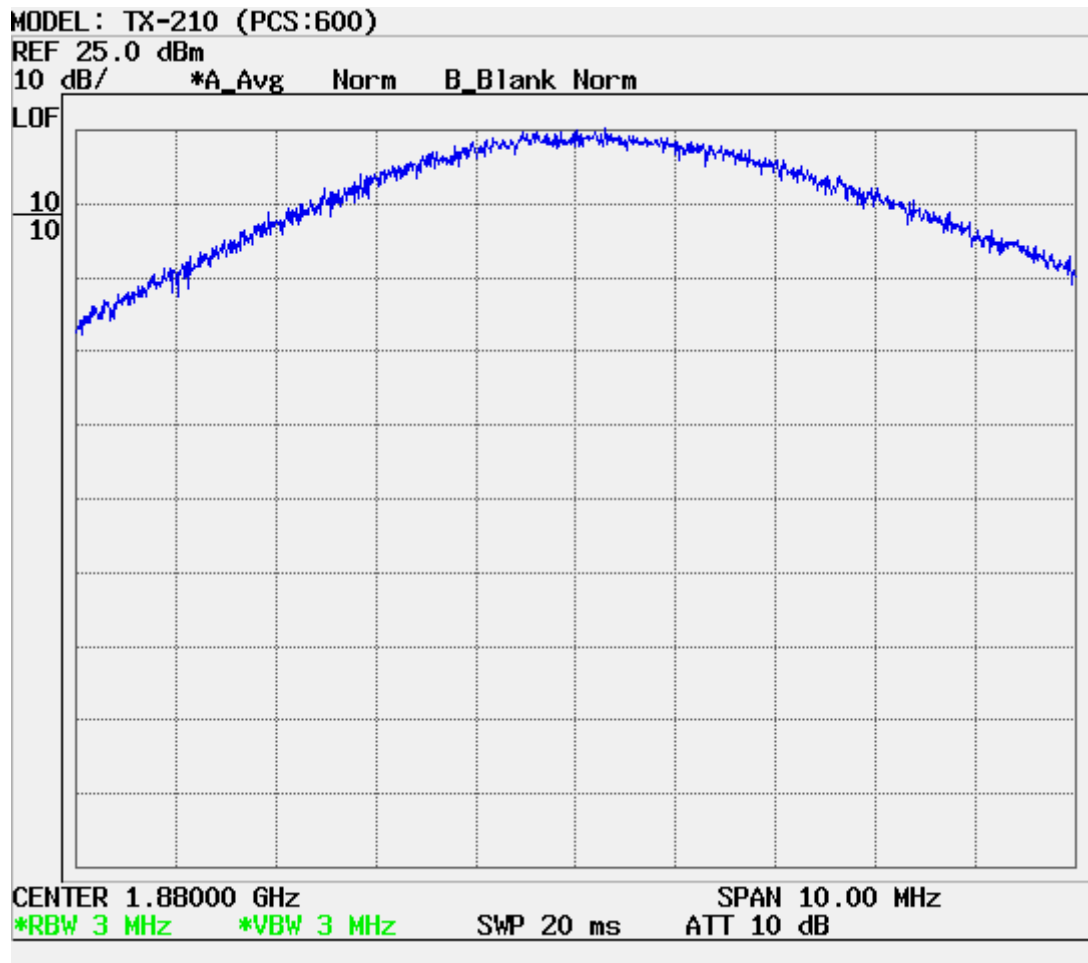
■ CDMA (0777 CH) Test Mode: POWER OUT



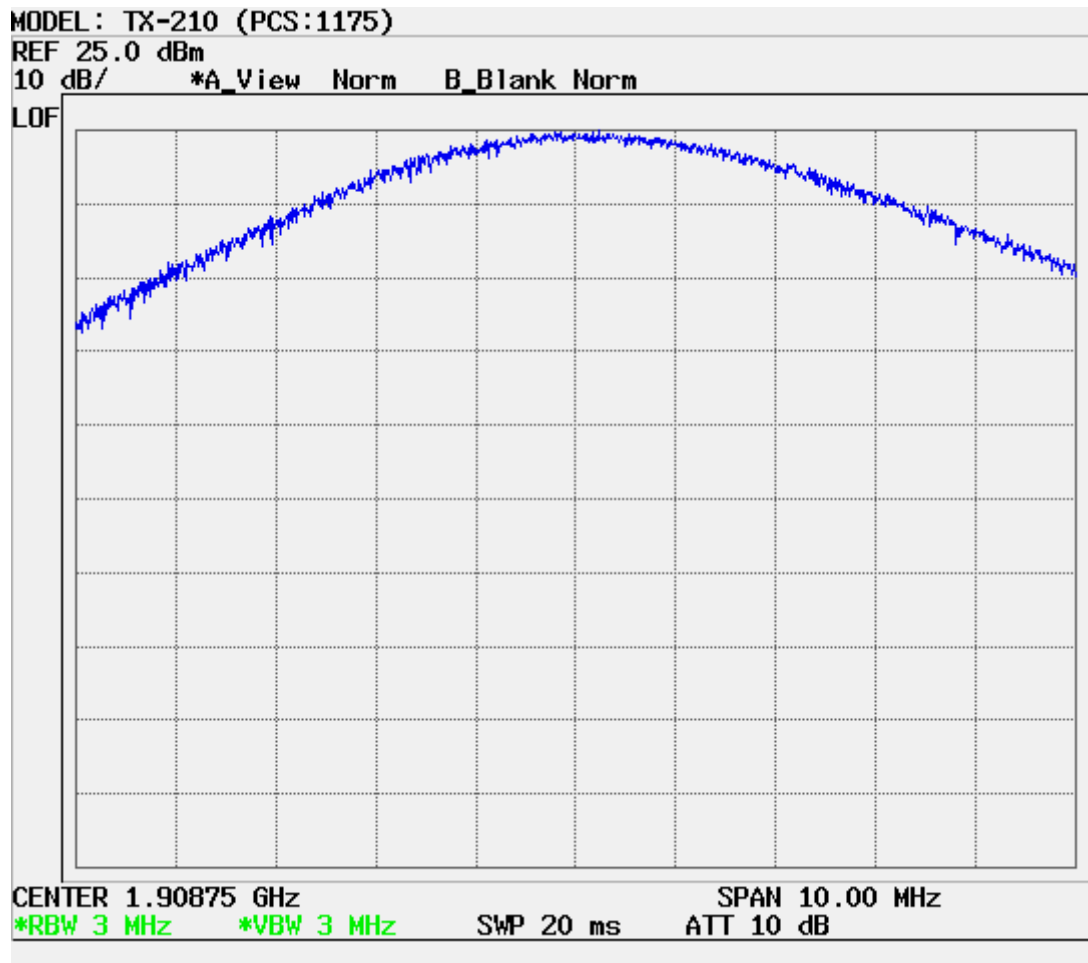
■ PCS CDMA (0025 CH) Test Mode: POWER OUT



■ PCS CDMA (0600 CH) Test Mode: POWER OUT



■ PCS CDMA (1175 CH) Test Mode: POWER OUT



MODEL: TX-210 (AMPS:991)

REF -35.0 dBm

DL -80.0 dBm

MKR 887.83 MHz

10 dB/

*A_View

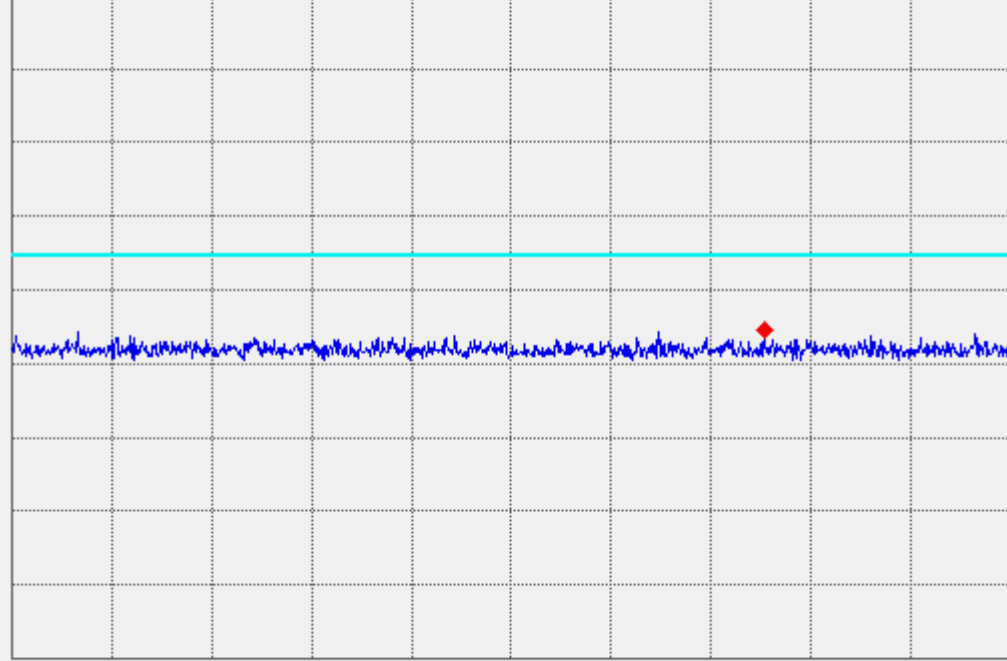
Norm

B_Blank Norm

-90.51 dBm

LOF

MARKER
887.83 MHz



START 869.00 MHz

STOP 894.00 MHz

*RBW 1 MHz

*VBW 1 MHz

SWP 20 ms

ATT 10 dB

MODEL: TX-210 (AMPS:383)

REF -35.0 dBm

DL -80.0 dBm

MKR 889.40 MHz

10 dB/

*A_View

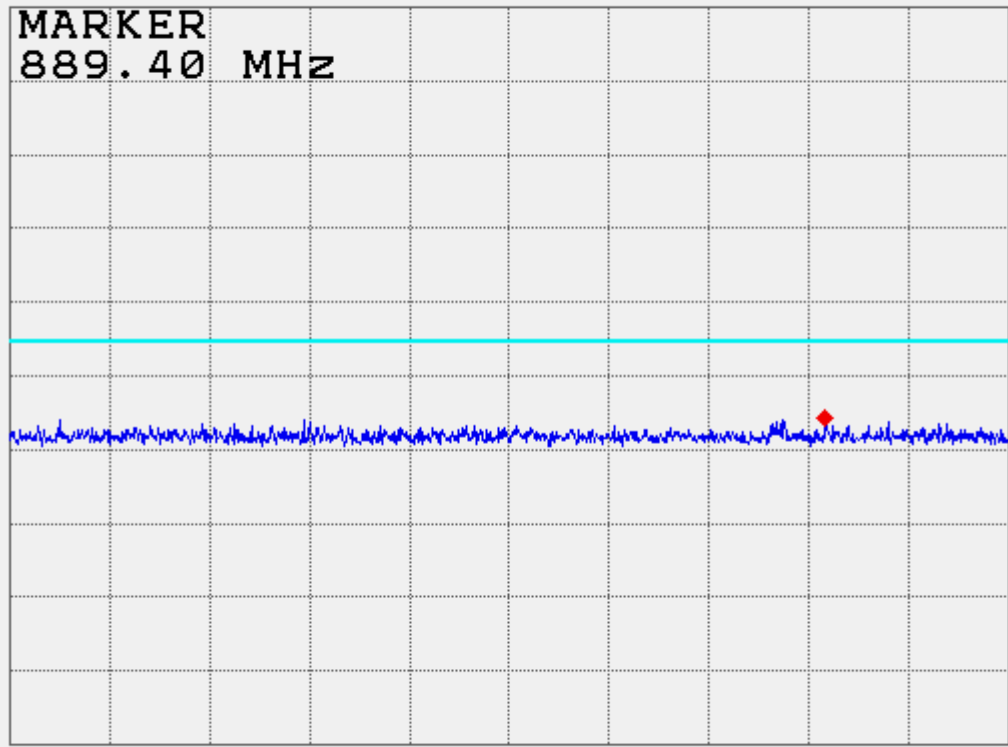
Norm

B_Blank Norm

-90.71 dBm

LOF

MARKER
889.40 MHz



START 869.00 MHz

STOP 894.00 MHz

*RBW 1 MHz

*VBW 1 MHz

SWP 20 ms

ATT 10 dB

MODEL: TX-210 (AMPS:799)

REF -35.0 dBm

DL -80.0 dBm

MKR 870.58 MHz

10 dB/

*A_View

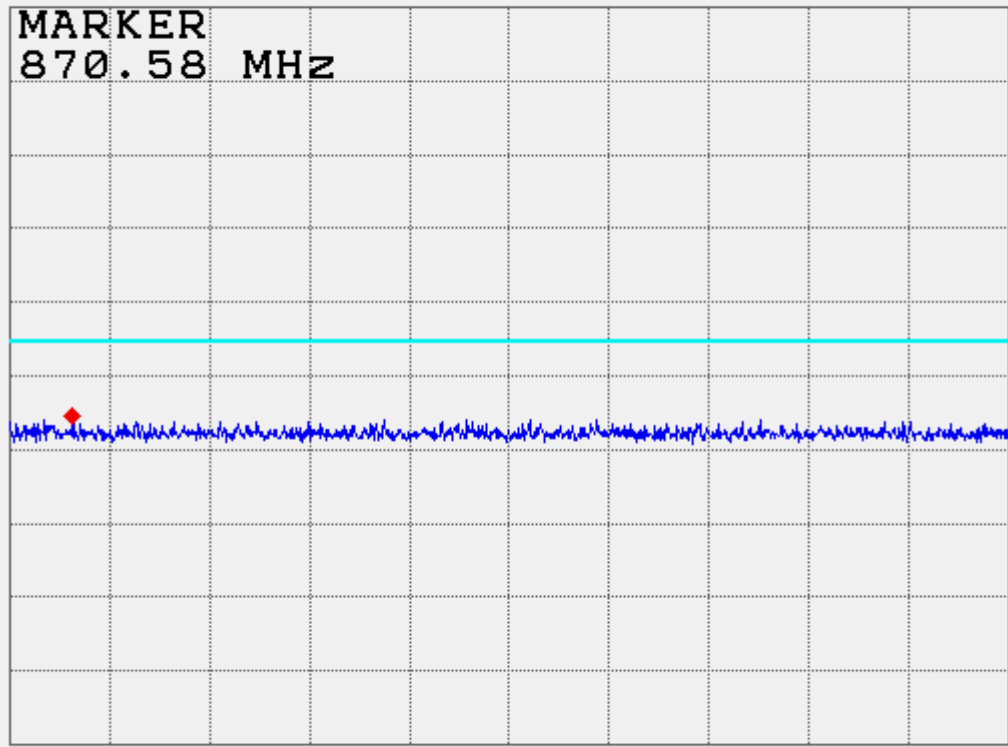
Norm

B_Blank Norm

-90.32 dBm

LOF

MARKER
870.58 MHz



START 869.00 MHz

STOP 894.00 MHz

*RBW 1 MHz

*VBW 1 MHz

SWP 20 ms

ATT 10 dB

MODEL: TX-210 (CDMA:1013)

REF -35.0 dBm

DL -80.0 dBm

MKR 874.73 MHz

10 dB/

*A_View

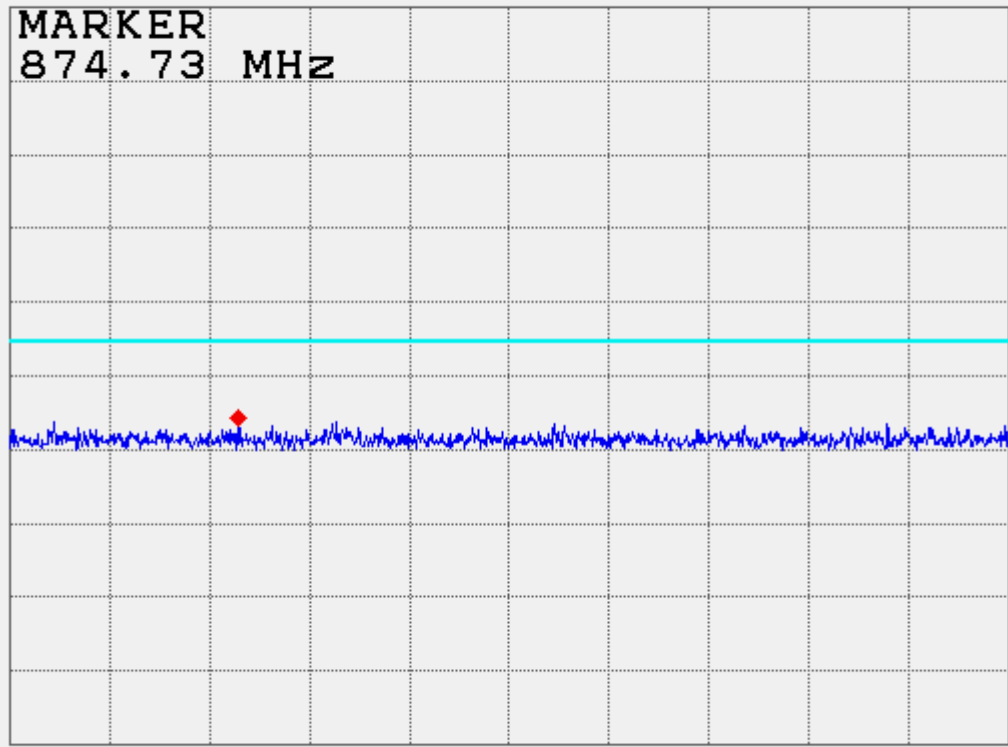
Norm

B_Blank Norm

-90.62 dBm

LOF

MARKER
874.73 MHz



START 869.00 MHz

STOP 894.00 MHz

*RBW 1 MHz

*VBW 1 MHz

SWP 20 ms

ATT 10 dB

MODEL: TX-210 (CDMA:363)

REF -35.0 dBm

DL -80.0 dBm

MKR 872.52 MHz

10 dB/

*A_View

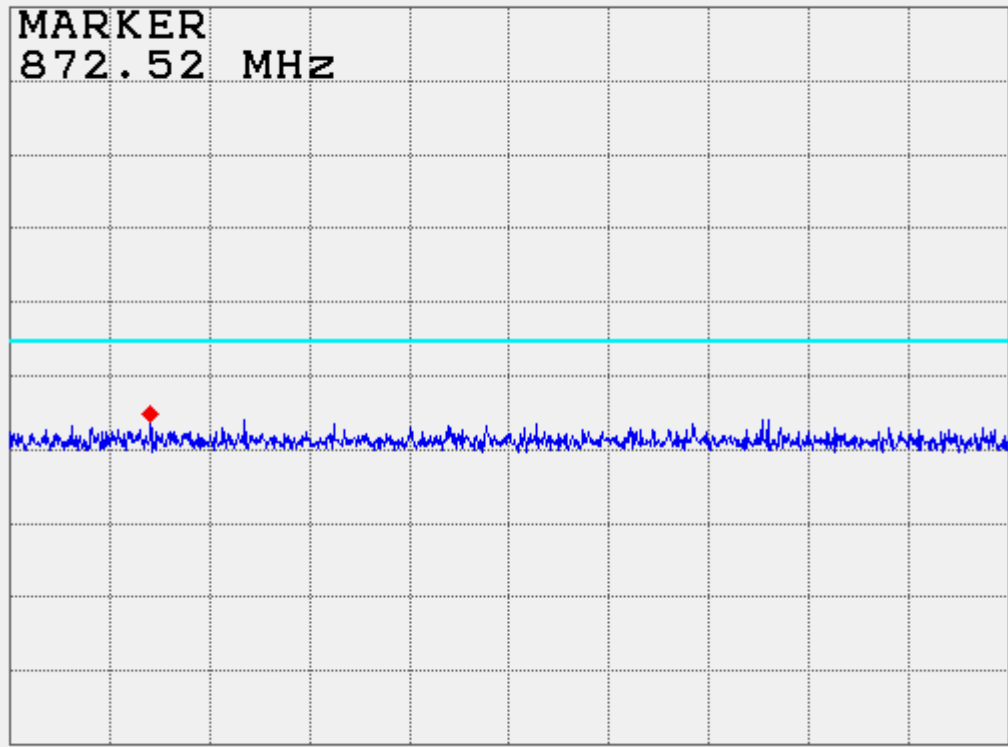
Norm

B_Blank Norm

-90.10 dBm

LOF

MARKER
872.52 MHz



START 869.00 MHz

STOP 894.00 MHz

*RBW 1 MHz

*VBW 1 MHz

SWP 20 ms

ATT 10 dB

MODEL: TX-210 (CDMA:777)

REF -35.0 dBm

DL -80.0 dBm

MKR 872.52 MHz

10 dB/

*A_View

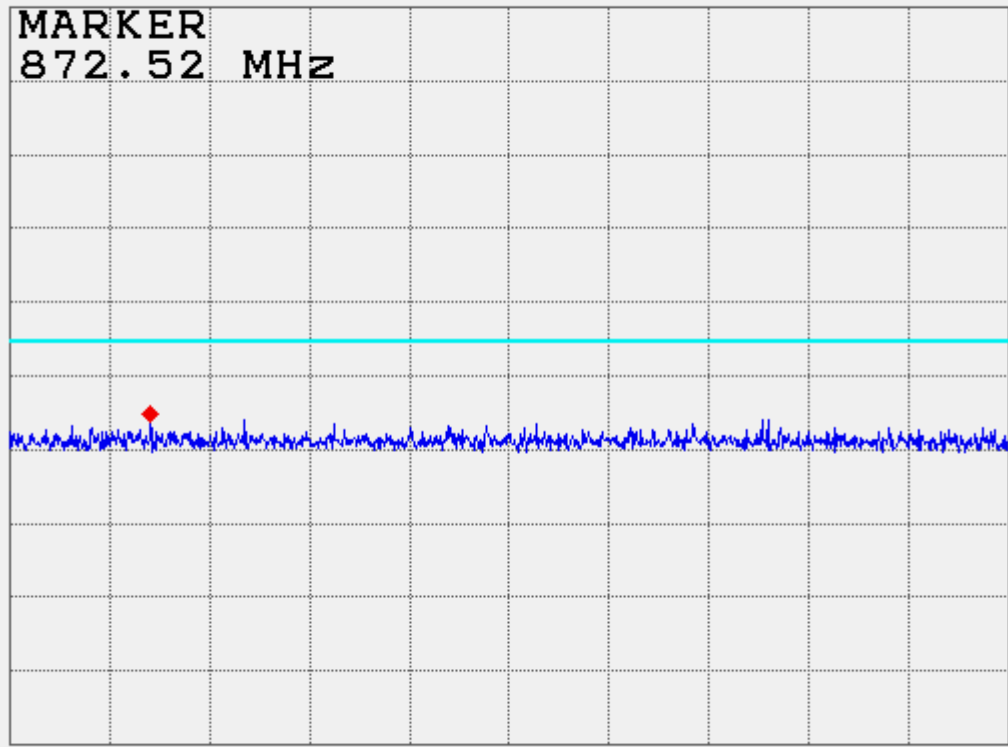
Norm

B_Blank Norm

-90.10 dBm

LOF

MARKER
872.52 MHz



START 869.00 MHz

STOP 894.00 MHz

*RBW 1 MHz

*VBW 1 MHz

SWP 20 ms

ATT 10 dB

Modulation Limiting

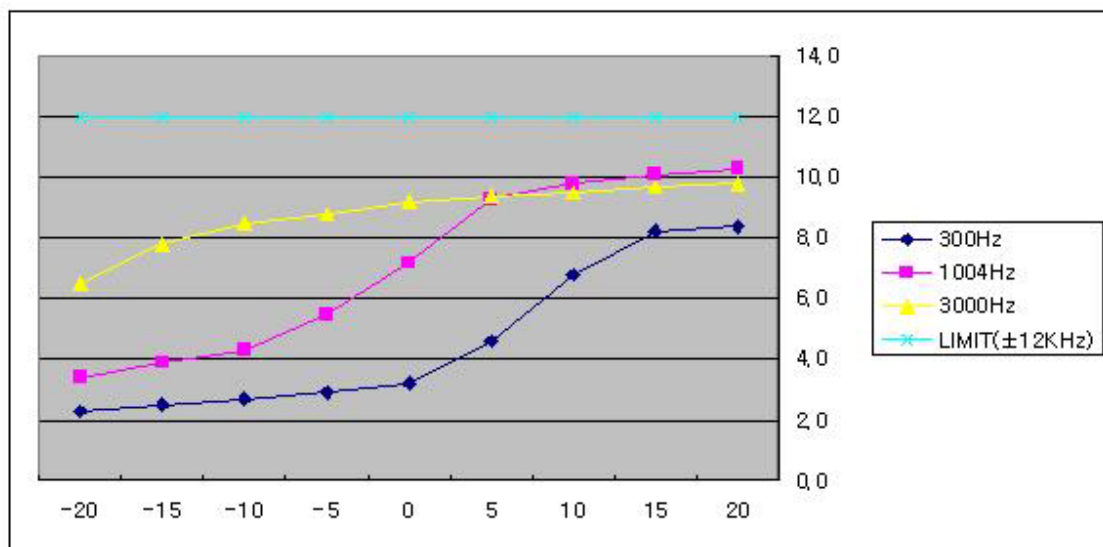
■ SUBJECT: Modulation Characteristics(FCC Part 22)

■ FCC ID: PP4TX-210

■ EUT: Hyundai Curitel Inc. / Tri-Mode Phone

[KHz]

Input(dBV)	300Hz	1004Hz	3000Hz	LIMIT(± 12 KHz)
20	8.4	10.3	9.8	12
15	8.3	10.1	9.7	12
10	6.8	9.8	9.5	12
5	4.6	9.3	9.4	12
0	3.2	7.2	9.2	12
-5	2.9	5.5	8.8	12
-10	2.7	4.3	8.5	12
-15	2.5	3.9	7.8	12
-20	2.3	3.4	6.5	12



TEST METHOD

1. CONNECT MODULATION
2. 1KHz 60% DEVIATION(7.2KHz) AUDUST
3. VARY INPUT LEVEL (5dB)
4. VARY FREQUENCY AT 300Hz, 1004Hz, 3000Hz)

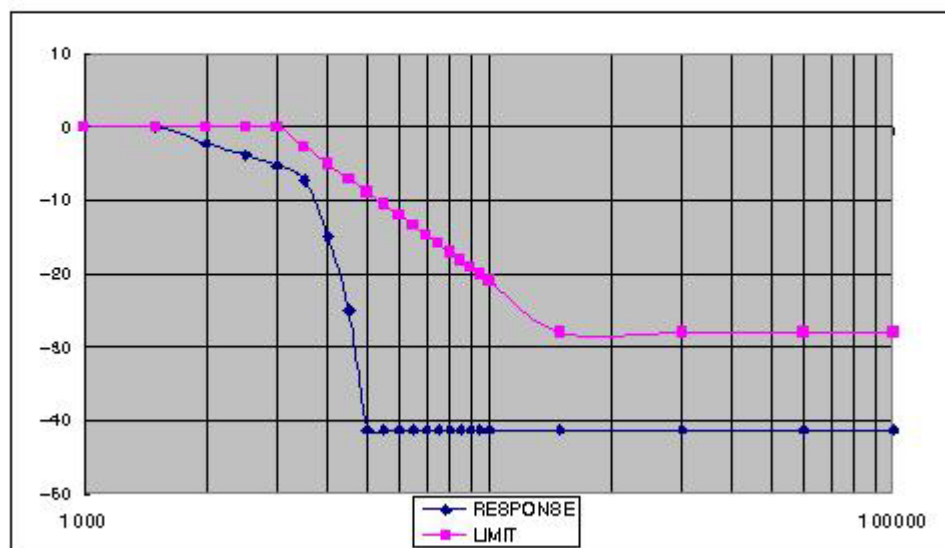
Frequency Response of Audio Low Pass Filter

■ SUBJECT: Modulation Characteristics(FCC Part 22)

■ FCC ID: PP4TX-210

■ EUT: Hyundai Curitel Inc. / Tri-Mode Phone

FREQ	RESPONSE	LIMIT
1000	0	0.00
1500	0	0.00
2000	-2.26	0.00
2500	-3.79	0.00
3000	-5.26	0.00
3500	-7.23	-2.68
4000	-14.85	-5.00
4500	-24.93	-7.04
5000	-41.22	-8.87
5500	-41.22	-10.53
6000	-41.22	-12.04
6500	-41.22	-13.43
7000	-41.22	-14.72
7500	-41.22	-15.92
8000	-41.22	-17.04
8500	-41.22	-18.09
9000	-41.22	-19.08
9500	-41.22	-20.02
10000	-41.22	-20.92
15000	-41.22	-27.96
30000	-41.22	-28
60000	-41.22	-28
100000	-41.22	-28



Transmitter Audio Frequency Response

■ SUBJECT: Modulation Characteristics(FCC Part 22)

■ FCC ID: PP4TX-210

■ EUT: Hyundai Curitel Inc. / Tri-Mode Phone

FREQUENCY	RESONSE	LIMIT	
		-3	1
300	-11.26	-13.46	-9.46
400	-8.52	-10.96	-6.96
500	-6.28	-9.02	-5.02
600	-4.86	-7.44	-3.44
700	-3.62	-6.10	-2.10
800	-2.46	-4.94	-0.94
900	-0.76	-3.92	0.08
1000	0	-3.00	1.00
1200	1.53	-1.42	2.58
1400	2.28	-0.08	3.92
1600	3.52	1.08	5.08
1800	4.62	2.11	6.11
2000	6.02	3.02	7.02
2200	6.28	3.85	7.85
2500	7.13	4.96	8.96
2600	6.92	4.96	9.30
2800	6.54	4.96	9.94
3000	6.29	4.96	10.54
3000	6.7	-40.00	10.54
3200	6.1	-40.00	9.42
3400	4.8	-40.00	8.37
3600	-0.8	-40.00	7.37
3800	-10.4	-40.00	6.43
4000	-12.6	-40.00	5.54
4200	-28.0	-40.00	4.69
4500	-28.0	-40.00	3.50
4800	-28.0	-40.00	2.38
5100	-28.0	-40.00	1.32
5400	-28.0	-40.00	0.33
5700	-28.0	-40.00	-0.61
5900	-28.0	-40.00	-1.21
5900	-28.0	-40.00	-24.46
6100	-28.0	-40.00	-24.46
6100	-28.0	-40.00	-1.79
6500	-28.0	-40.00	-2.89
8000	-28.0	-40.00	-6.50
10000	-28.0	-40.00	-10.38
13000	-28.0	-40.00	-14.93
15000	-28.0	-40.00	-17.42
15000	-28.0	-40.00	-17.46
30000	-28.0	-40.00	-17.46

