

ATTACHMENT EDGE TEST DATA

Attachment EDGE DATA

- Effective Radiated Power Output

Band	Freq. Tuned (MHz)	REF. LEVEL (dBm)	POL (H/V)	ERP (dBm)	ERP (W)	Supplied Power	Note
Cellular	824.20	-14.19	HOR	23.67	0.233	DC 5V	-
	836.60	-13.62	HOR	25.20	0.331	DC 5V	-
	848.80	-12.90	HOR	25.07	0.321	DC 5V	-

Band	Freq. Tuned (MHz)	REF. LEVEL (dBm)	POL (H/V)	ERP (dBm)	ERP (W)	Supplied Power	Note
PCS	1850.2	-13.74	HOR	27.56	0.570	DC 5V	-
	1880.0	-13.44	HOR	27.72	0.592	DC 5V	-
	1909.8	-13.59	HOR	27.43	0.553	DC 5V	-

- Field Strength of SPURIOUS RADIATION

Tested Channel	Freq. (MHz)	Reading (dBm)	Ant. Gain (dBd)	Level (dBm)	POL (H/V)	ERP (dBm)	Result (dBc)	Limit (dBc)
- Cellular Band								
Low (128)	1648.40	-38.94	6.71	-32.23	H	23.67	55.90	36.67
	1648.40	-41.52	6.71	-34.81	V		58.48	36.67
Middle (190)	1672.80	-38.16	6.60	-31.56	H	25.20	56.76	38.20
	1672.80	-41.30	6.60	-34.70	V		59.90	38.20
High (251)	1697.60	-39.58	6.48	-33.10	H	25.07	58.17	38.07
	1697.60	-40.52	6.48	-34.04	V		59.11	38.07
- PCS Band								
Tested Channel	Freq. (MHz)	Reading (dBm)	Ant. Gain (dBi)	Level (dBm)	POL (H/V)	EIRP (dBm)	Result (dBc)	Limit (dBc)
Low (512)	3700.40	-44.70	9.57	-35.13	H	27.56	62.69	40.56
	3700.40	-43.51	9.57	-33.94	V		61.50	40.56
Middle (661)	3760.00	-44.28	9.47	-34.81	H	27.72	62.53	40.72
	3760.00	-43.75	9.47	-34.28	V		62.00	40.72
High (810)	3819.60	-44.65	9.37	-35.28	H	27.43	62.71	40.43
	3819.60	-44.12	9.37	-34.75	V		62.18	40.43

NOTE 1 : No other emissions were detected at a level greater than 10dB below limit.

NOTE 2 : Reading Value = Level at Antenna Terminals

Antenna Gain = Substitute Antenna Gain

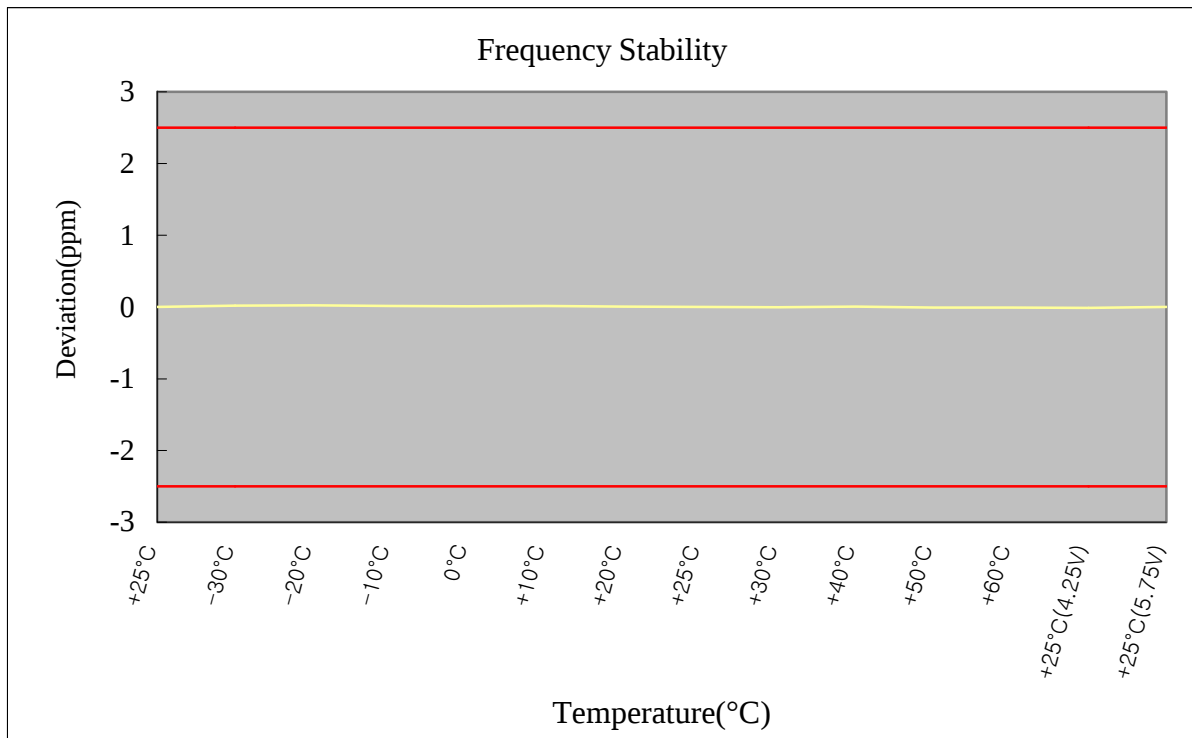
Level = Correct Generator Level

Attachment EDGE DATA

- Frequency Stability

BAND : Cellular
 OPERATING FREQUENCY : 836,599,961 Hz
 CHANNEL : 190(Mid)
 REFERENCE VOLTAGE : 5 VDC
 DEVIATION LIMIT : ± 0.00025 % or 2.5 ppm

VOLTAGE (%)	POWER (VDC)	TEMP (dB)	FREQ (Hz)	Deviation (%)
100%	5	+25(Ref)	836,599,961	0.000000
100%		-30	836,599,975	0.000002
100%		-20	836,599,979	0.000002
100%		-10	836,599,972	0.000002
100%		0	836,599,968	0.000001
100%		+10	836,599,972	0.000002
100%		+20	836,599,965	0.000001
100%		+25	836,599,961	0.000000
100%		+30	836,599,958	0.000000
100%		+40	836,599,966	0.000001
100%		+50	836,599,952	-0.000001
100%		+60	836,599,954	-0.000001
85%	4.25	+25	836,599,949	-0.000001
115%	5.75	+25	836,599,961	0.000000
BATT.ENDPOINT	-	+25	-	-



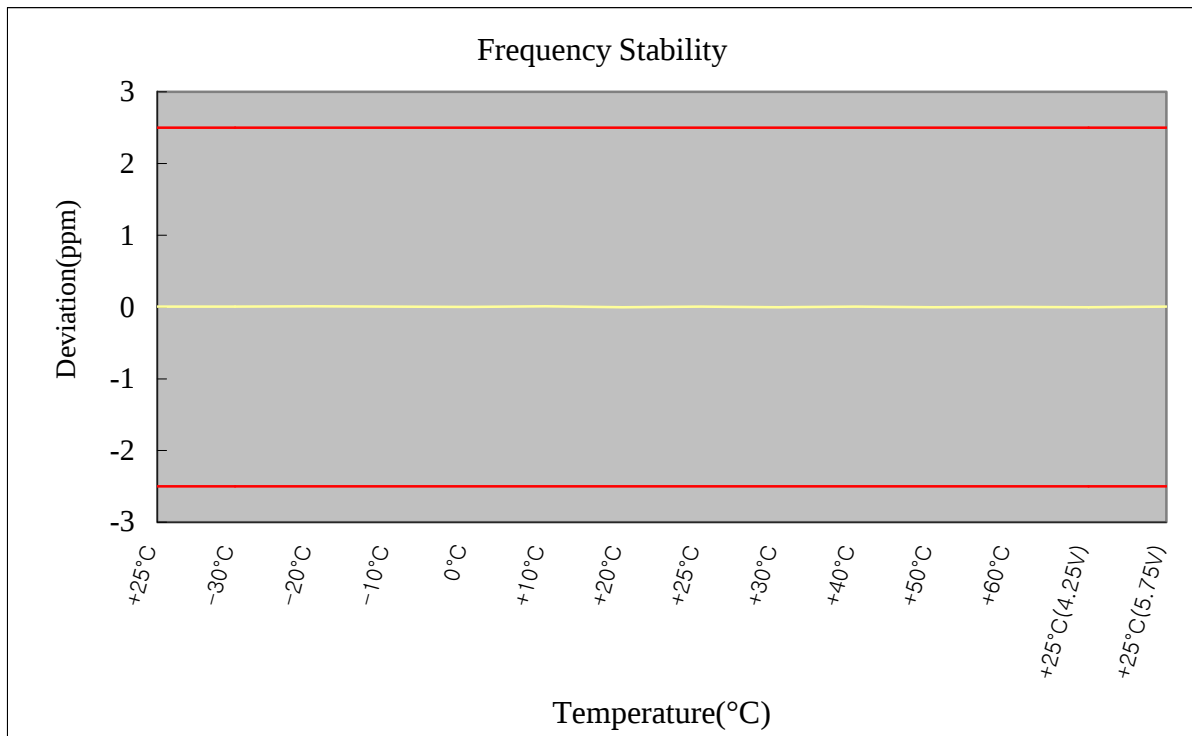
Attachment EDGE DATA

- Frequency Stability

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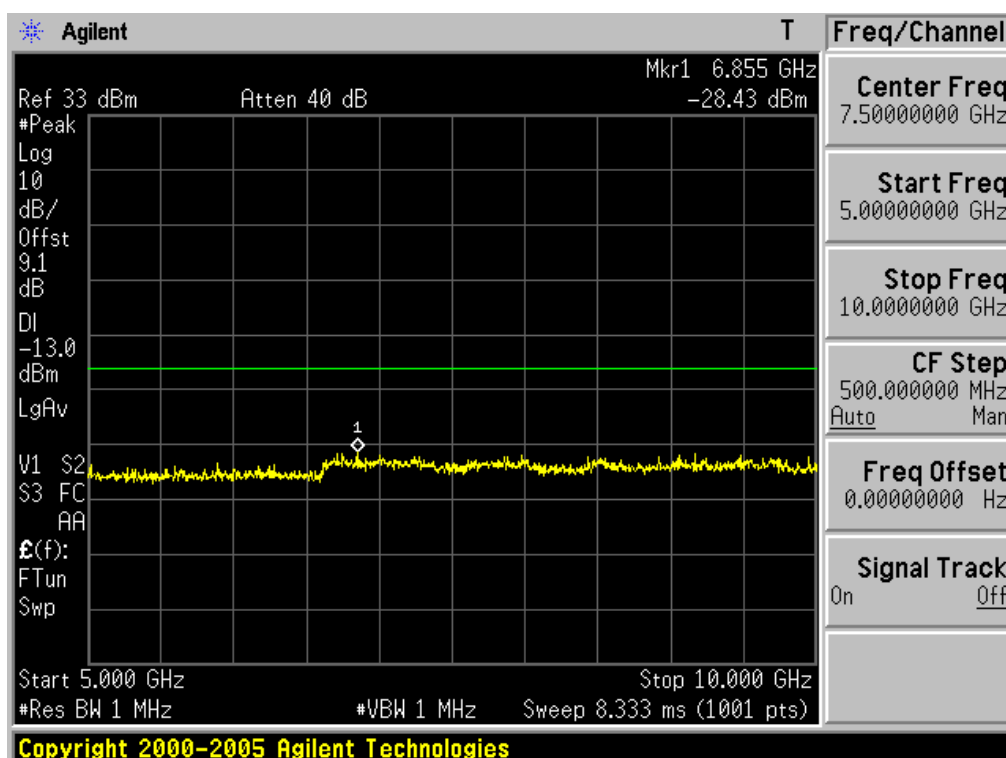
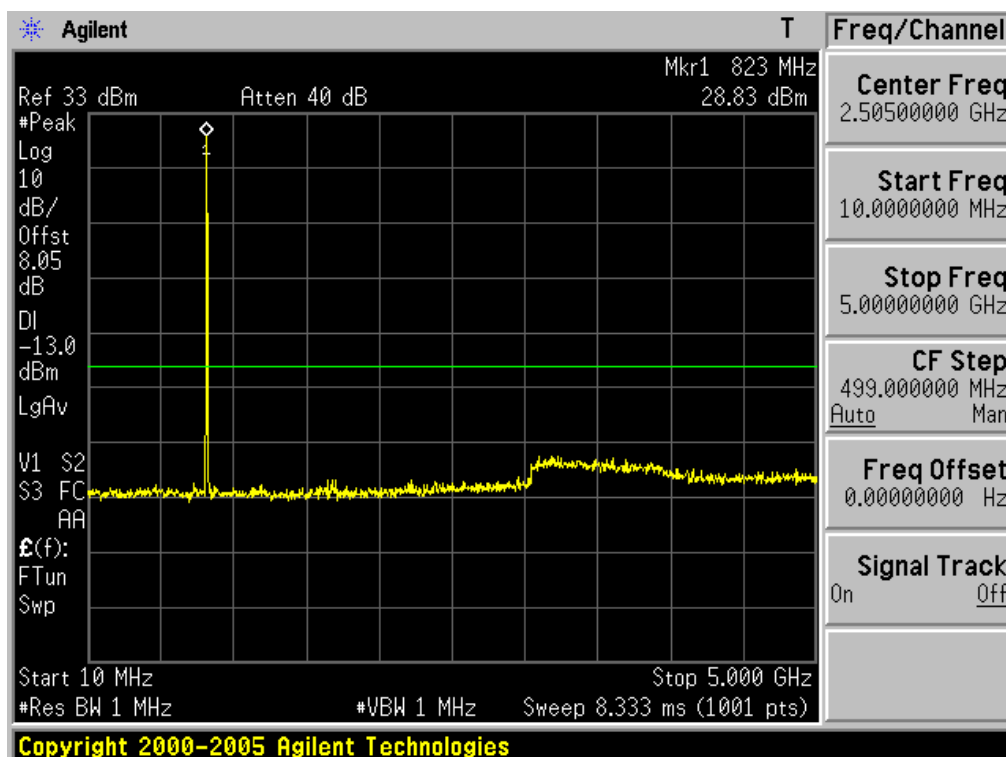
BAND : PCS
 OPERATING FREQUENCY : 1,879,999,938 Hz
 CHANNEL : 661(Mid)
 REFERENCE VOLTAGE : 5 VDC
 DEVIATION LIMIT : ± 0.00025 % or 2.5 ppm

VOLTAGE (%)	POWER (VDC)	TEMP (dB)	FREQ (Hz)	Deviation (%)
100%	5	+25(Ref)	1,879,999,938	0.000000
100%		-30	1,879,999,945	0.000001
100%		-20	1,879,999,953	0.000001
100%		-10	1,879,999,941	0.000001
100%		0	1,879,999,933	0.000000
100%		+10	1,879,999,948	0.000001
100%		+20	1,879,999,928	0.000000
100%		+25	1,879,999,938	0.000000
100%		+30	1,879,999,924	0.000000
100%		+40	1,879,999,941	0.000001
100%		+50	1,879,999,927	0.000000
100%		+60	1,879,999,931	0.000000
85%	4.25	+25	1,879,999,923	0.000000
115%	5.75	+25	1,879,999,938	0.000000
BATT.ENDPOINT	-	+25	-	-



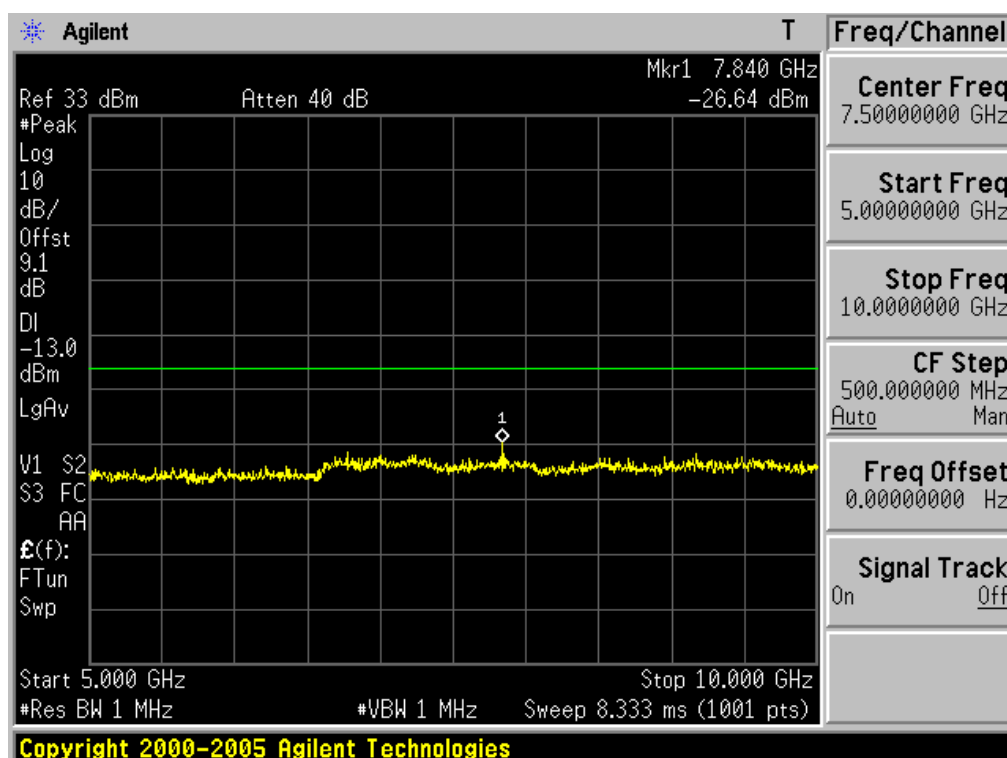
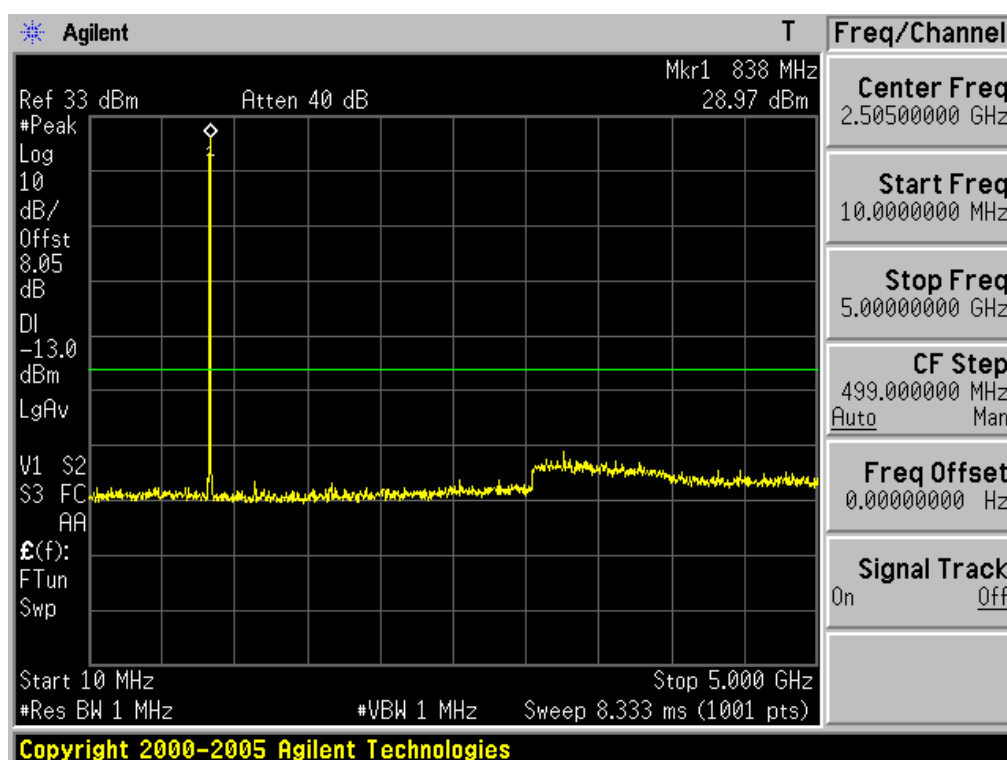
Attachment EDGE DATA

- Conducted Spurious EDGE Cellular Band Ch.128



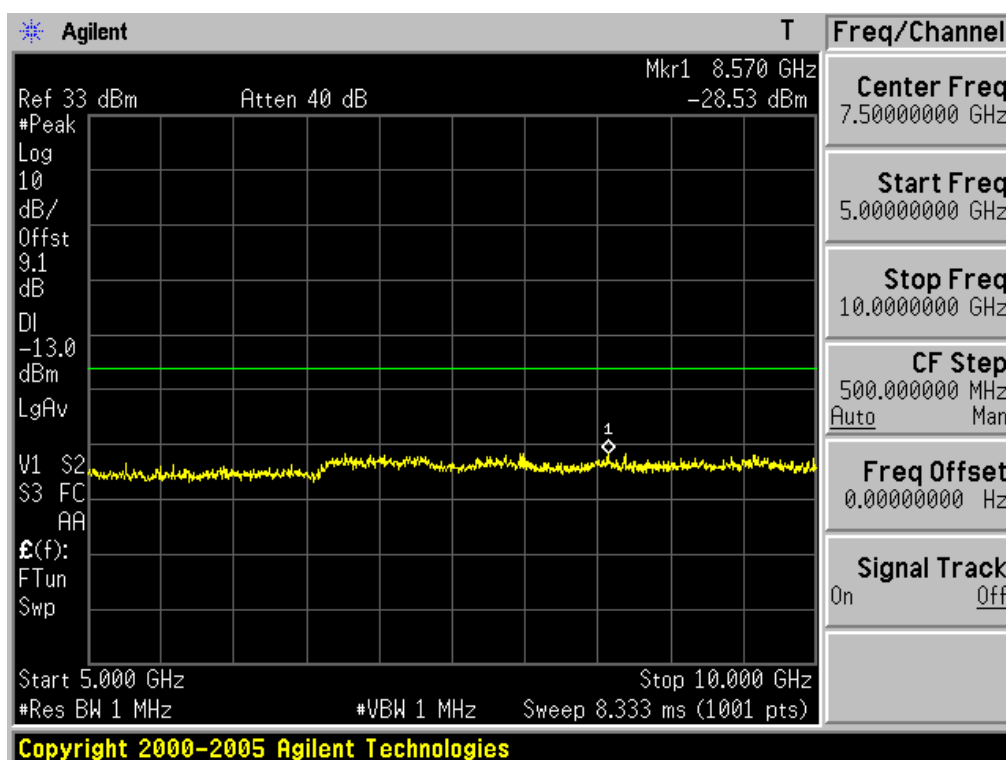
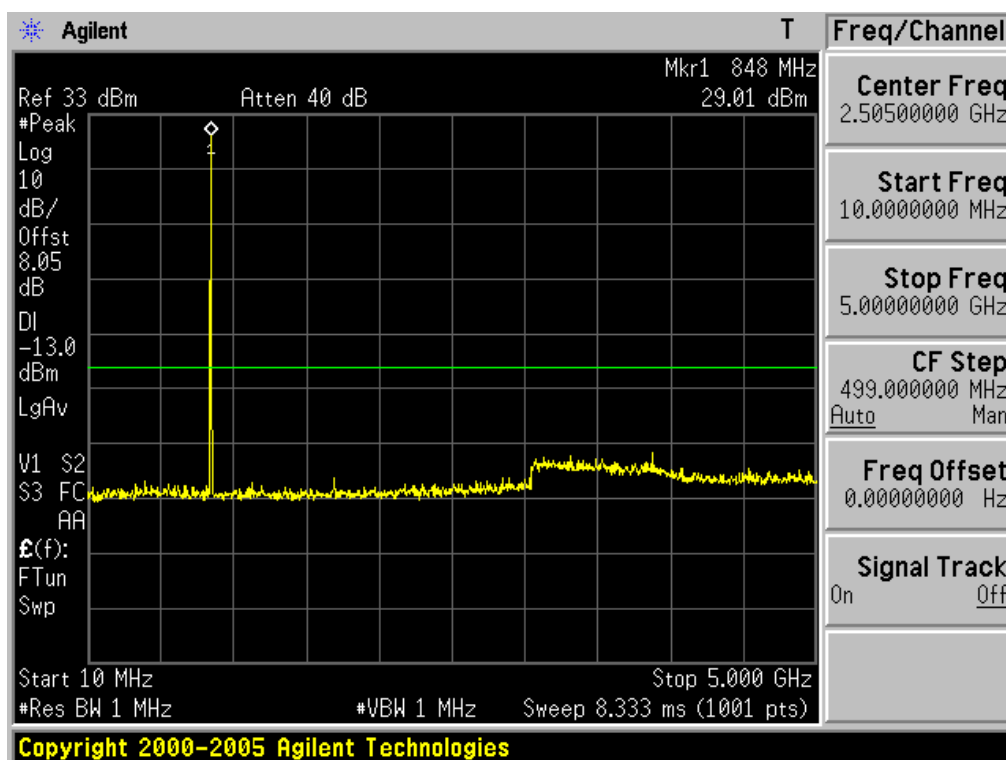
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- Conducted Spurious EDGE Cellular Band Ch.190



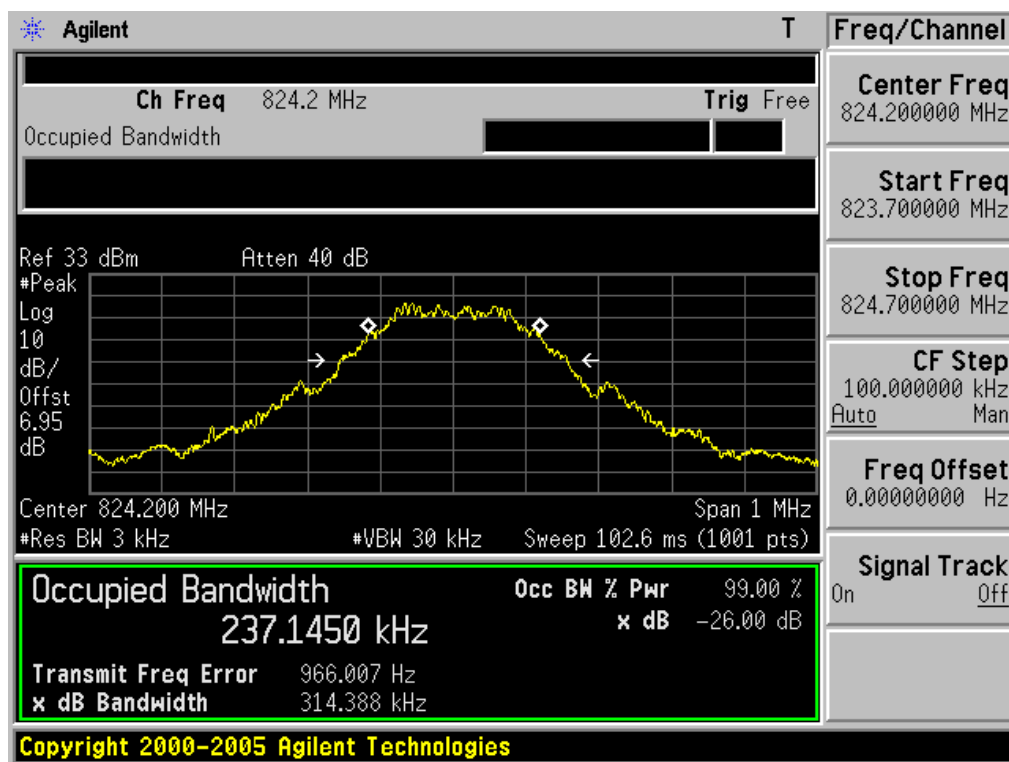
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- Conducted Spurious EDGE Cellular Band Ch.251

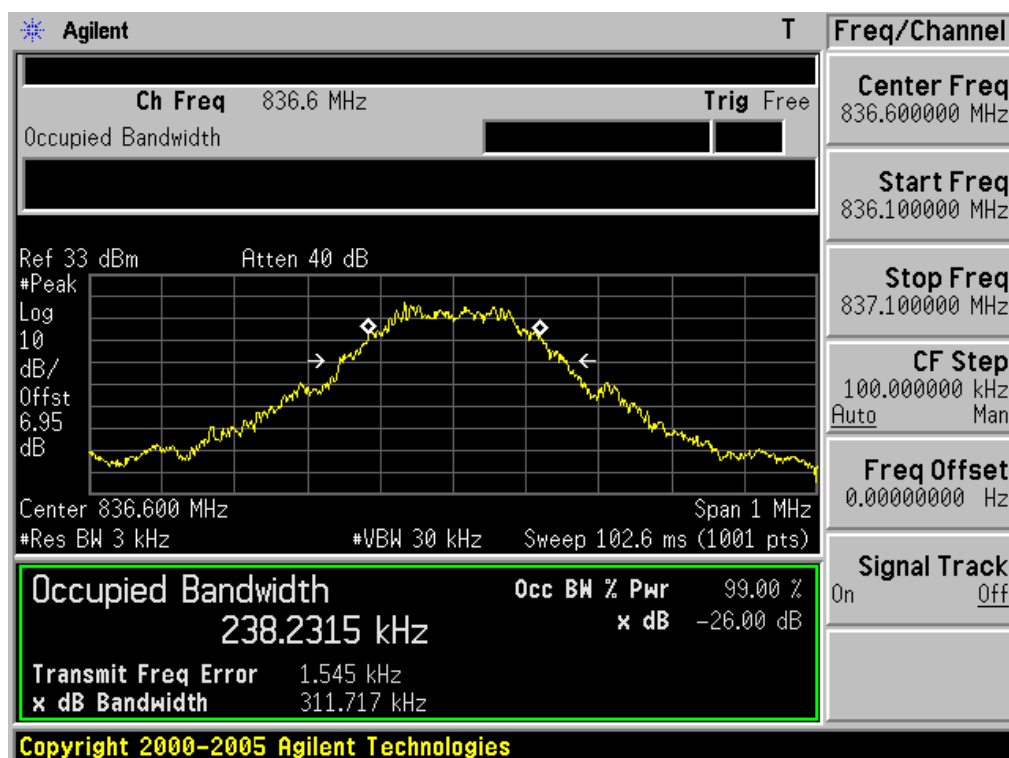


Attachment EDGE DATA

- Occupied Bandwidth. EDGE Cellular Band Ch. 128

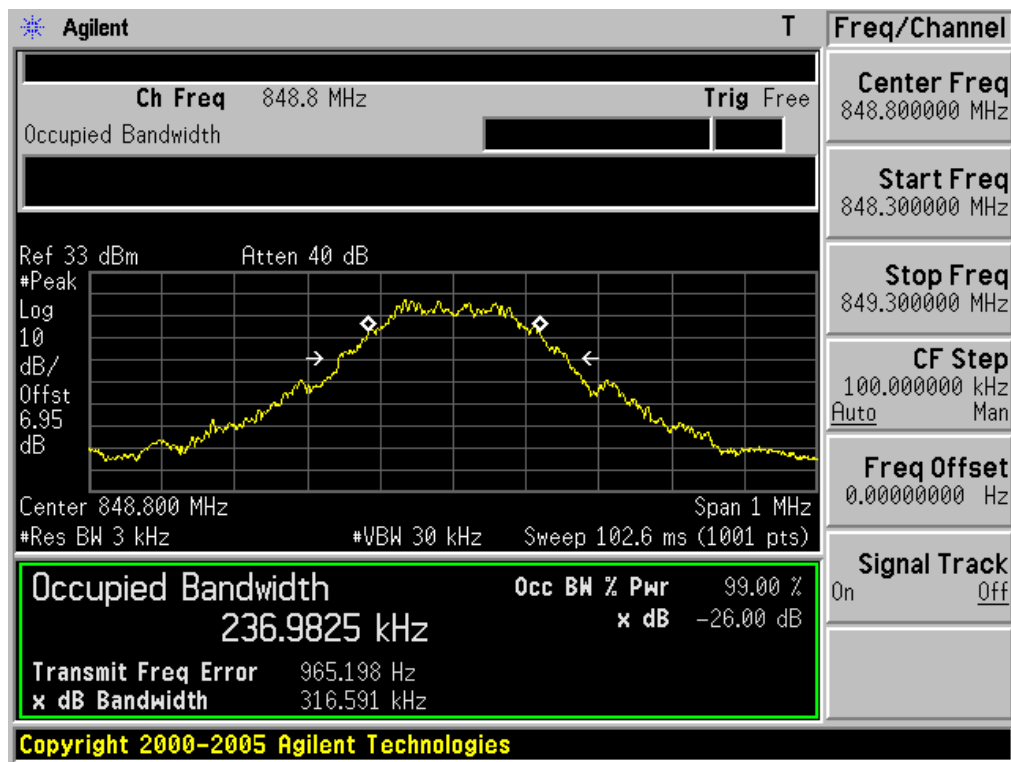


- Occupied Bandwidth. EDGE Cellular Band Ch. 190



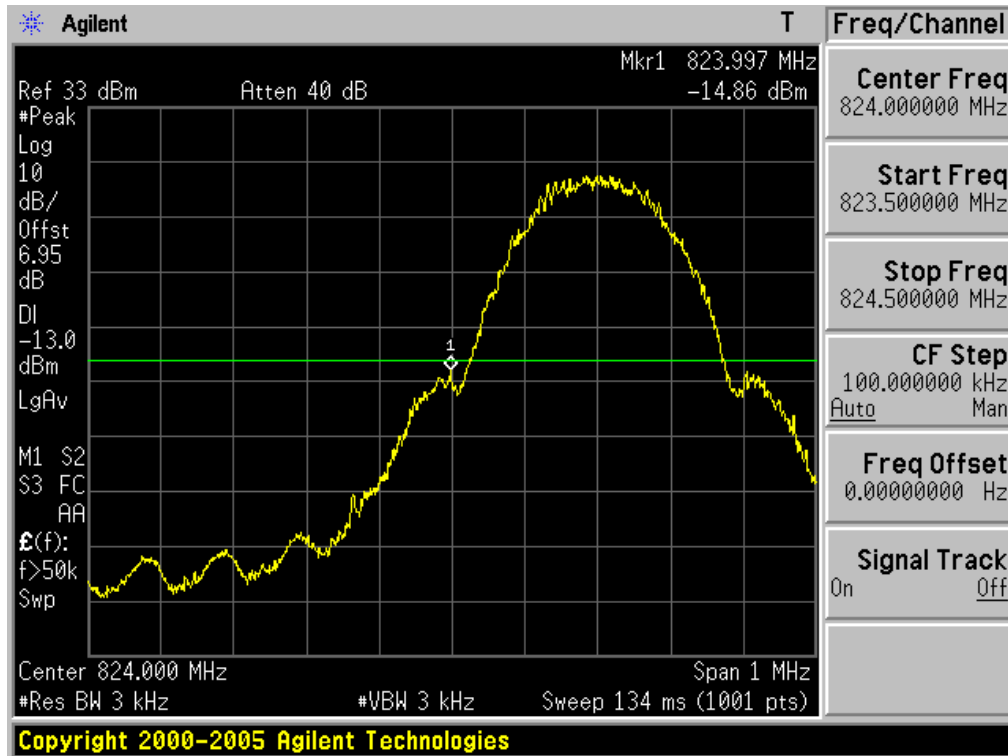
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- Occupied Bandwidth. EDGE Cellular Band Ch. 251

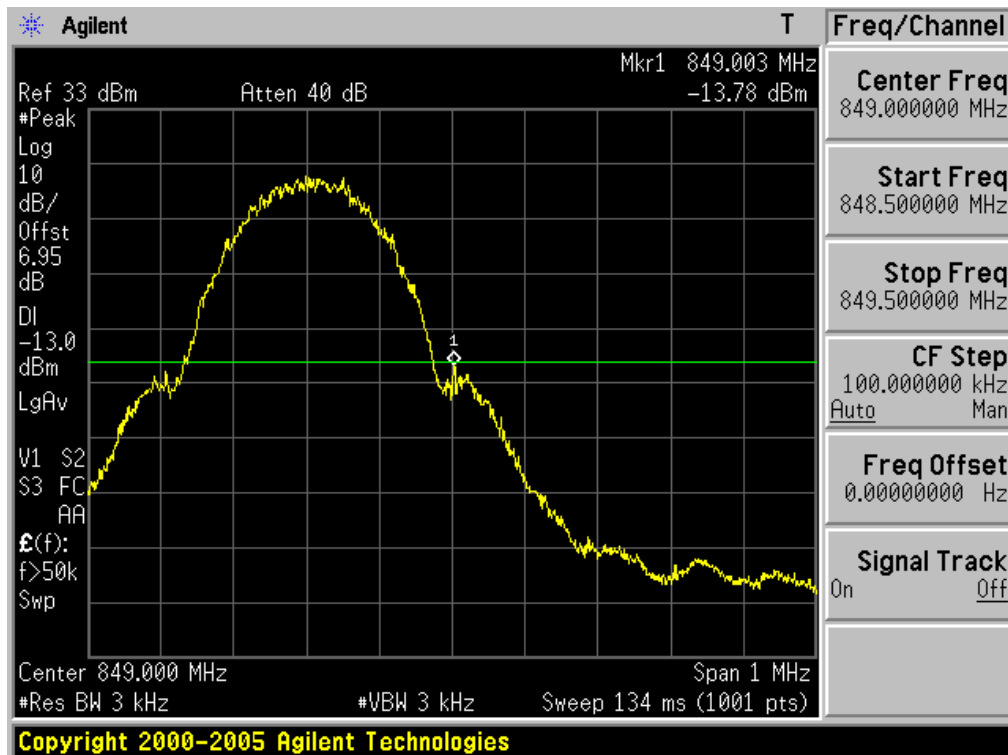


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- Band Edge. EDGE Cellular Band Ch. 128

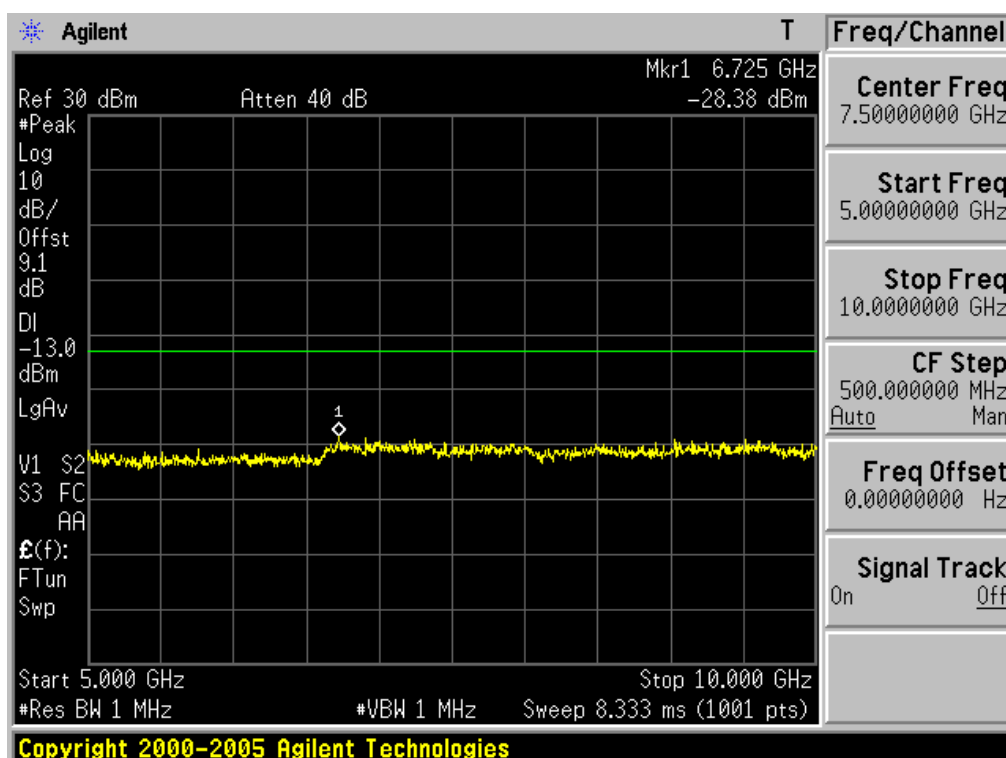
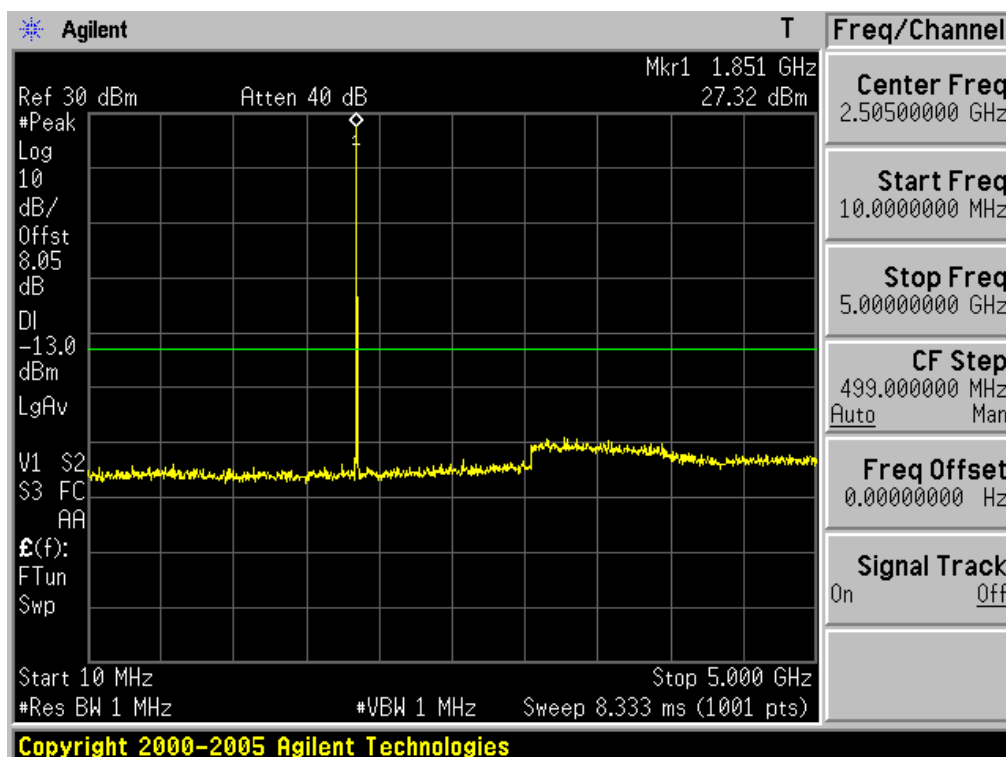


- Band Edge. EDGE Cellular Band Ch. 251

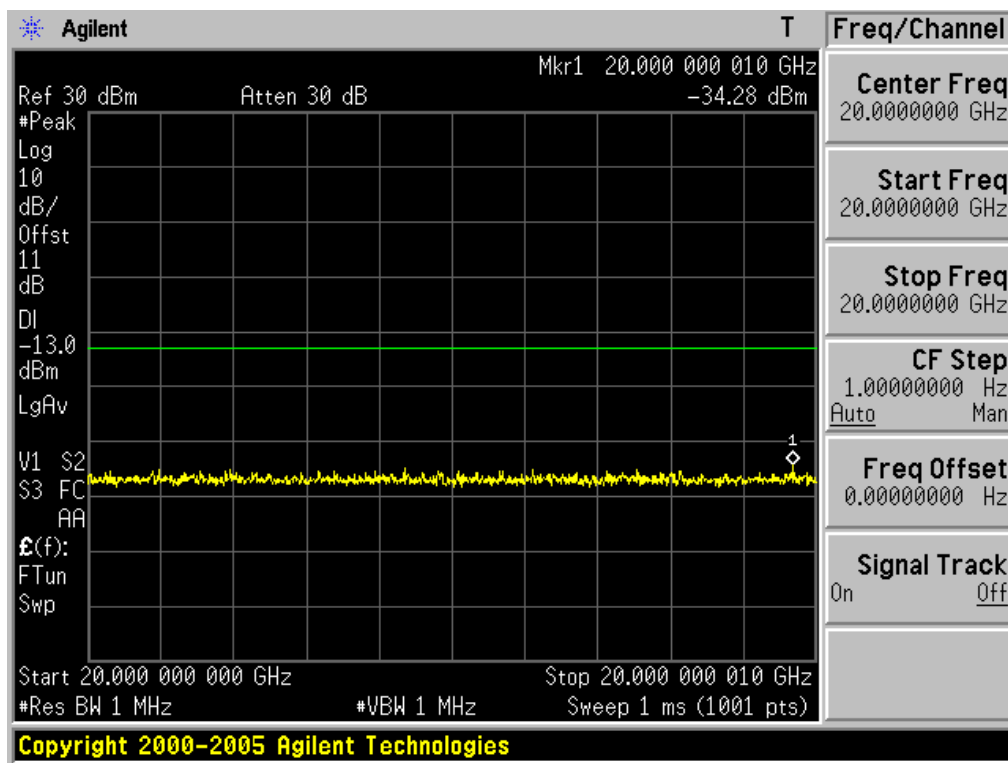
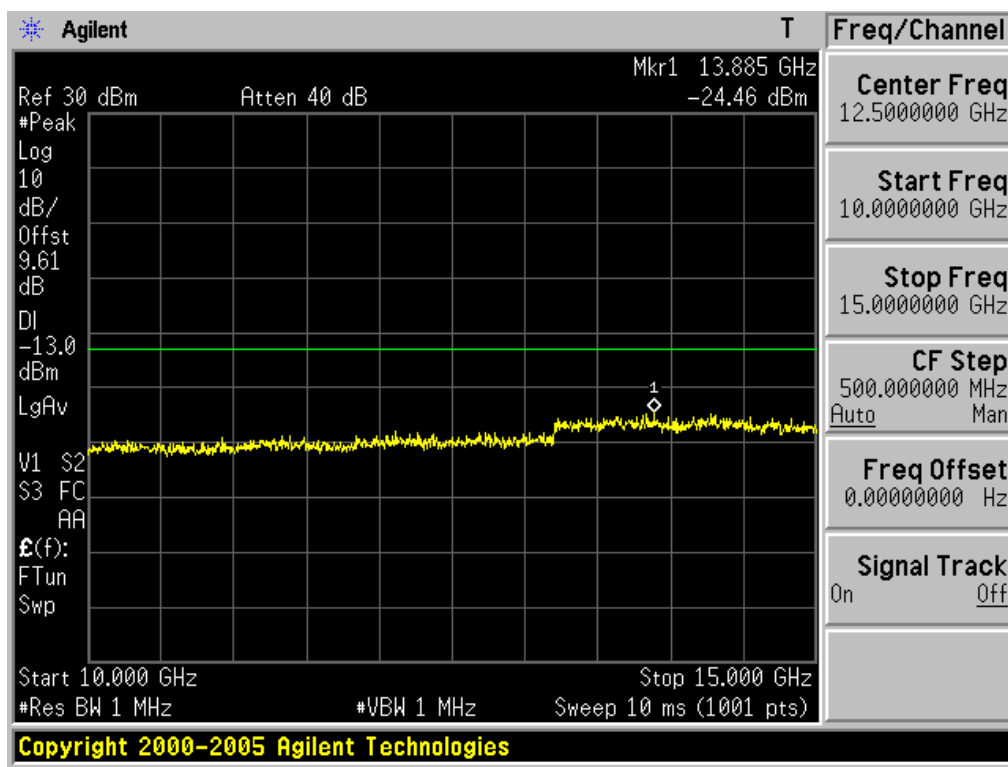


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- Conducted Spurious EDGE PCS Band Ch.512

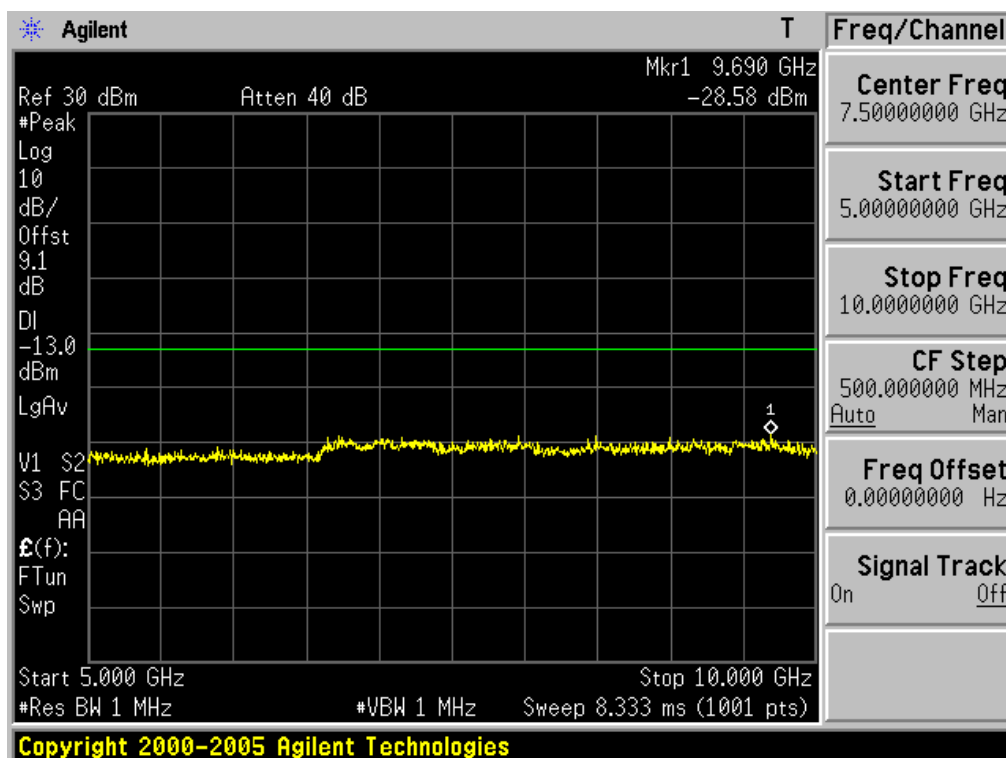
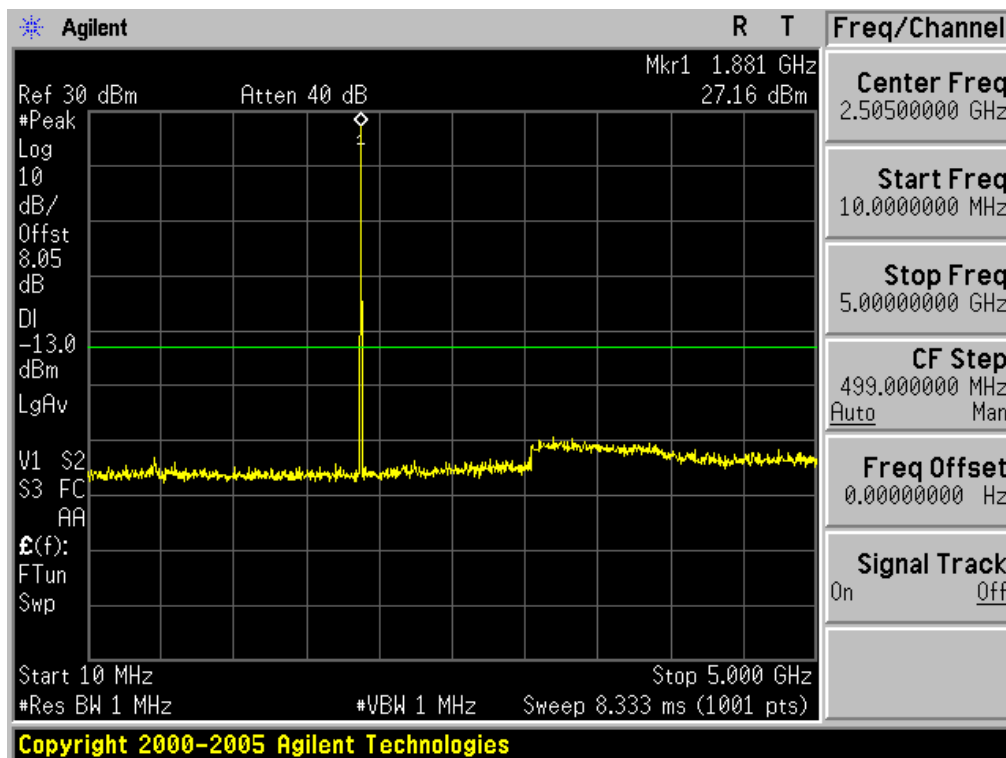


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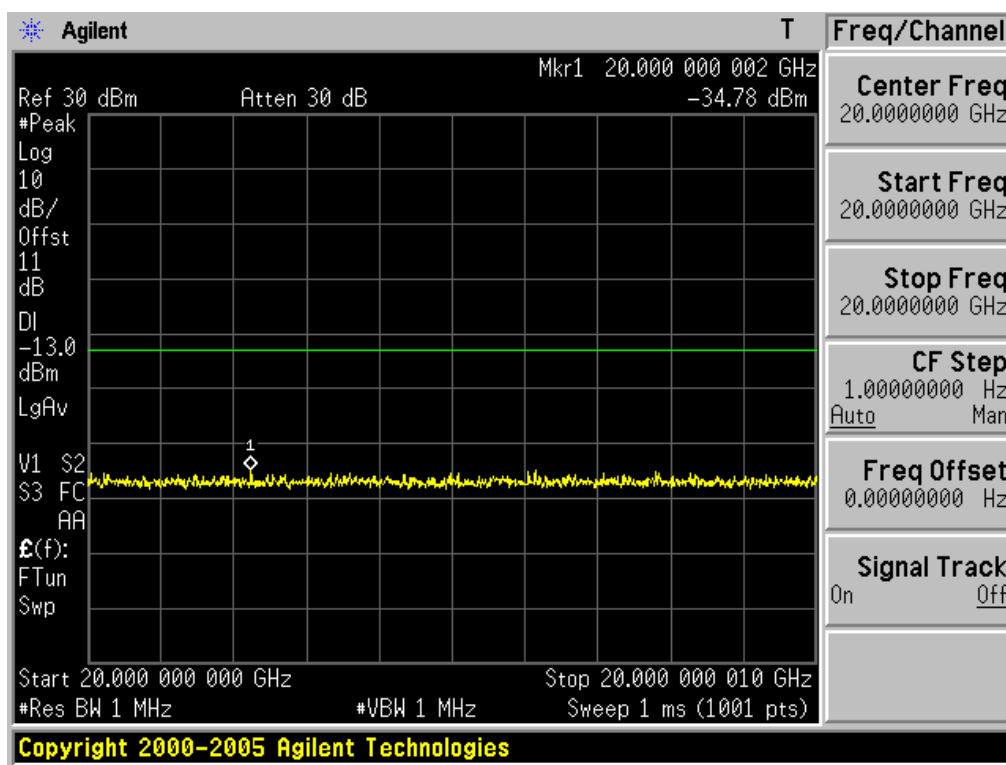
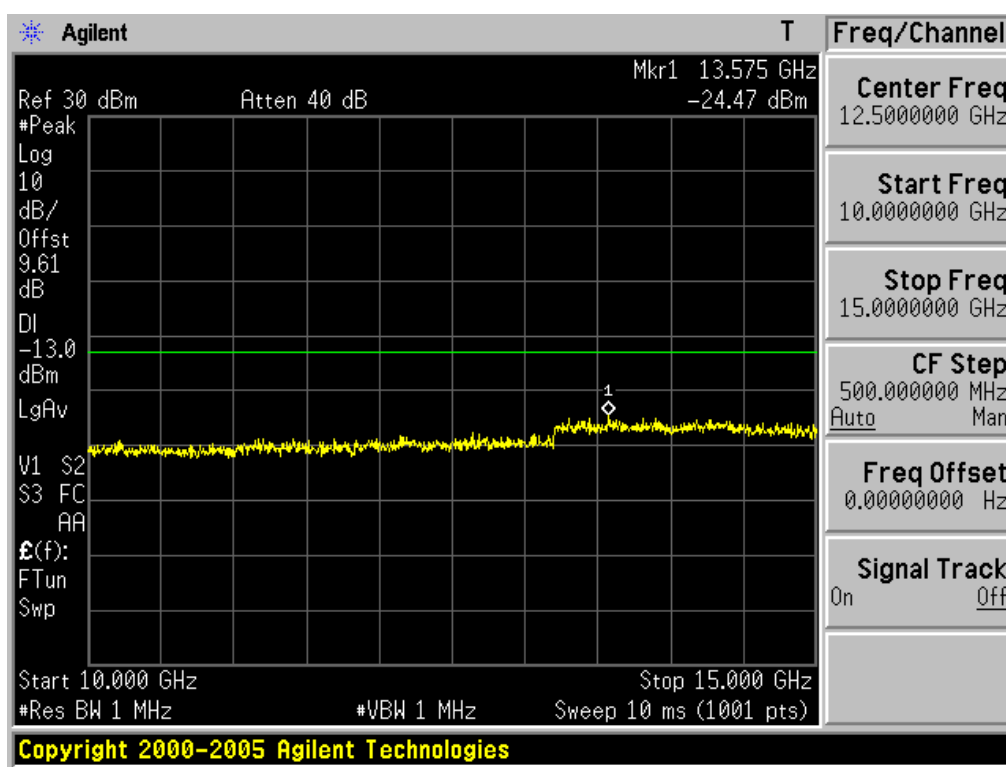


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- Conducted Spurious EDGE PCS Band Ch.661

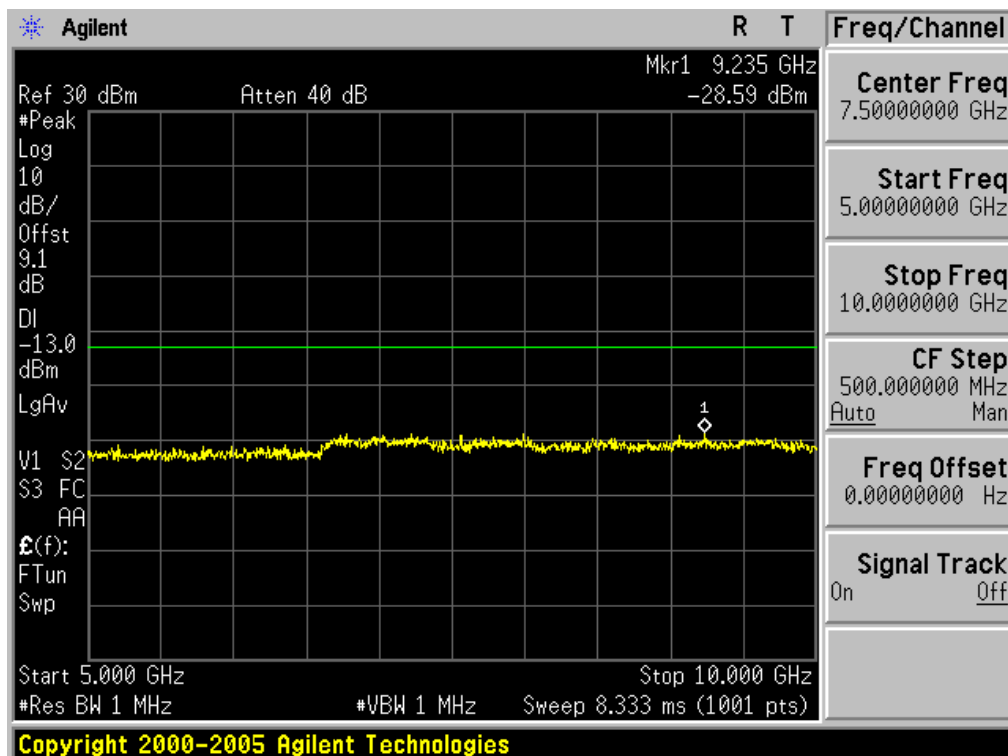
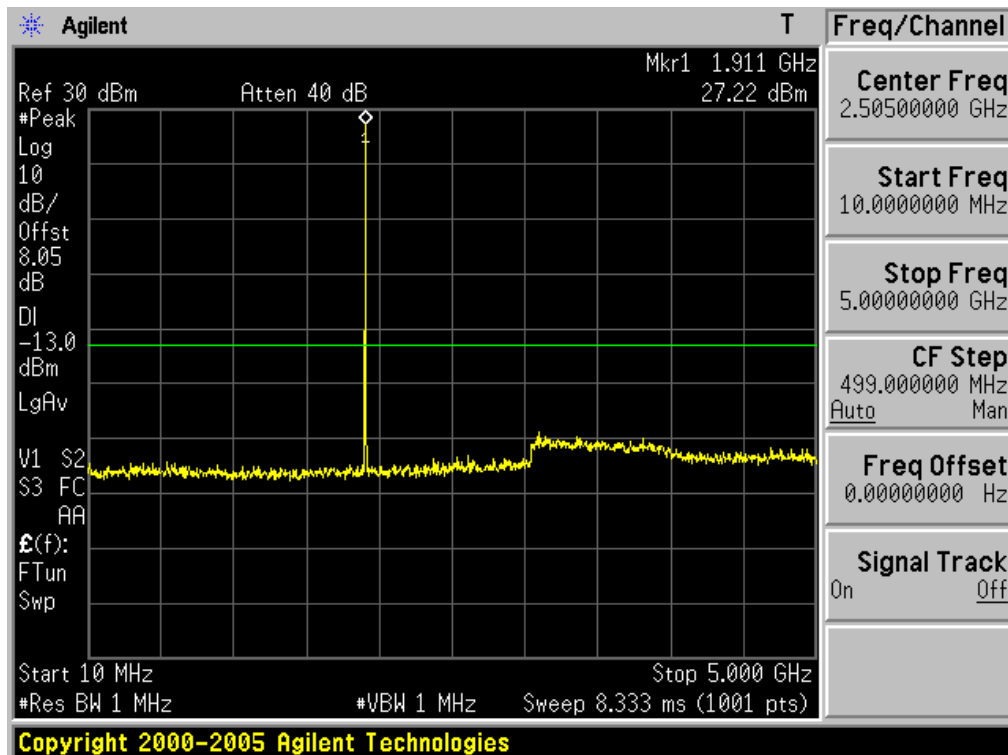


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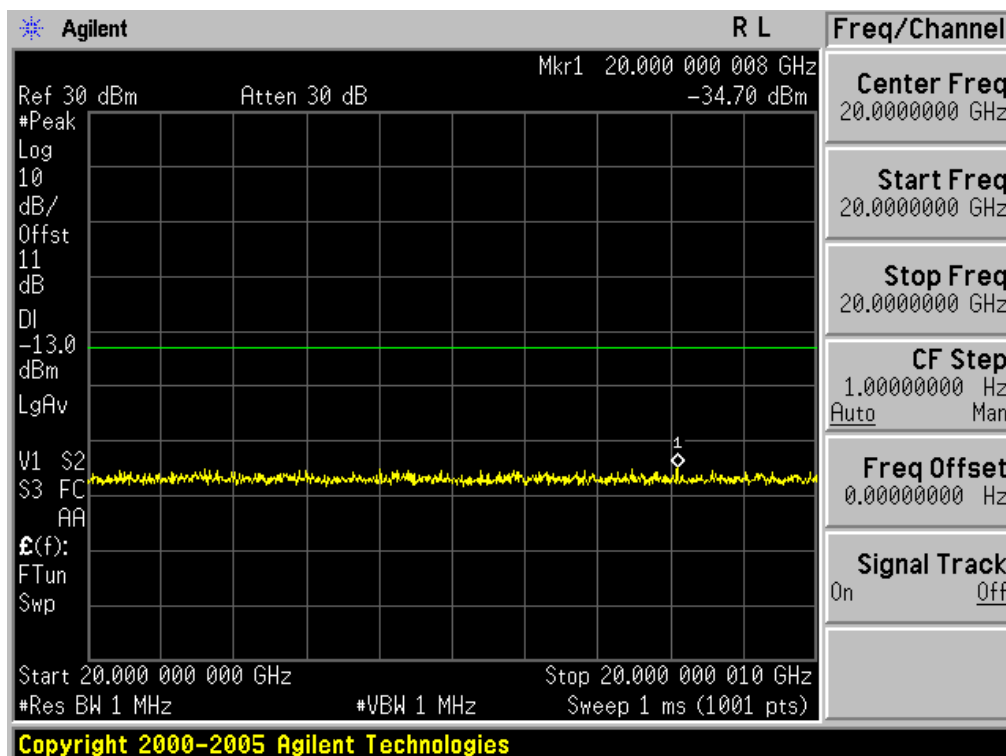
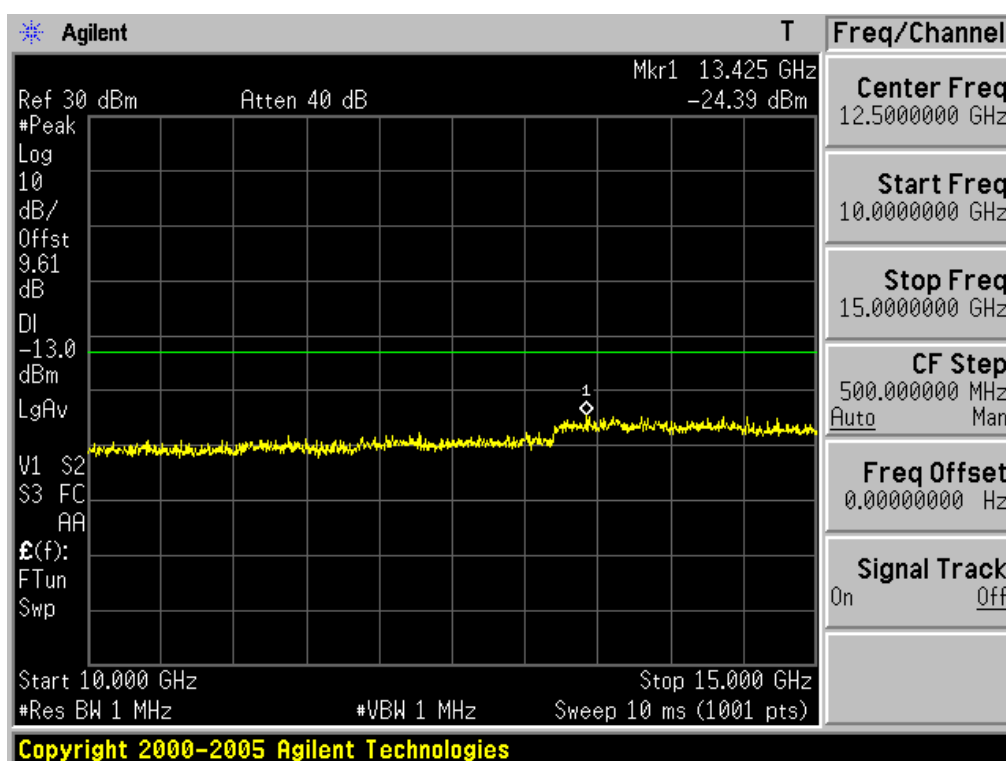


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- Conducted Spurious EDGE PCS Band Ch.810

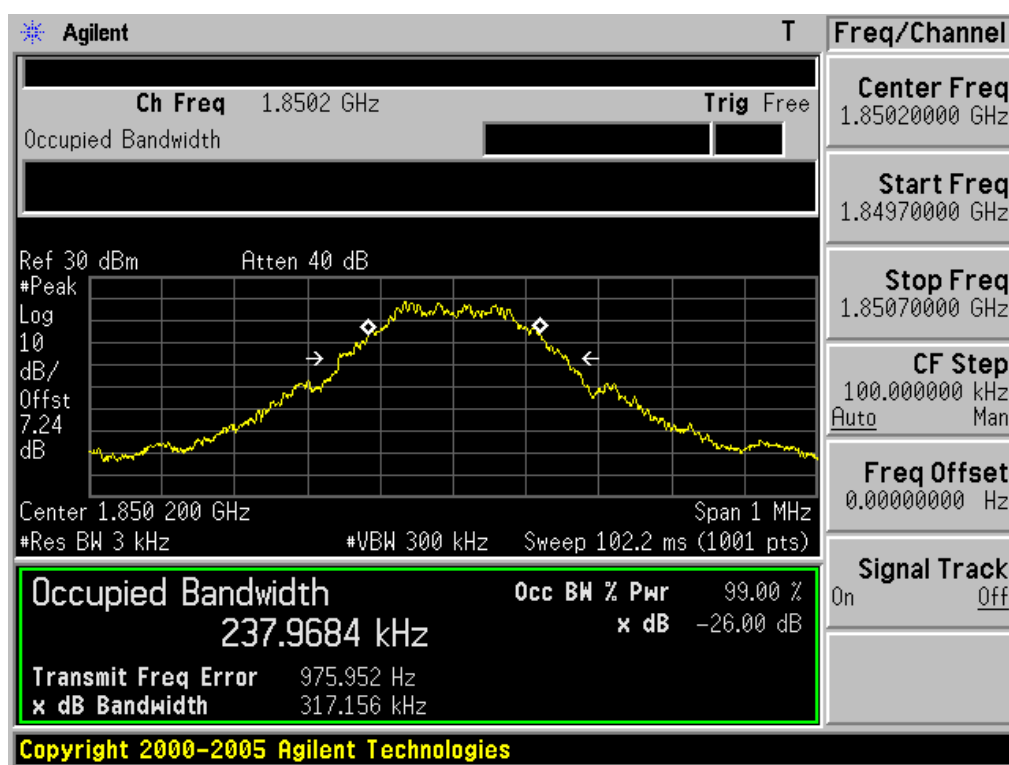


Attachment EDGE DATA



Attachment EDGE DATA

- Occupied Bandwidth. EDGE PCS Band Ch. 512

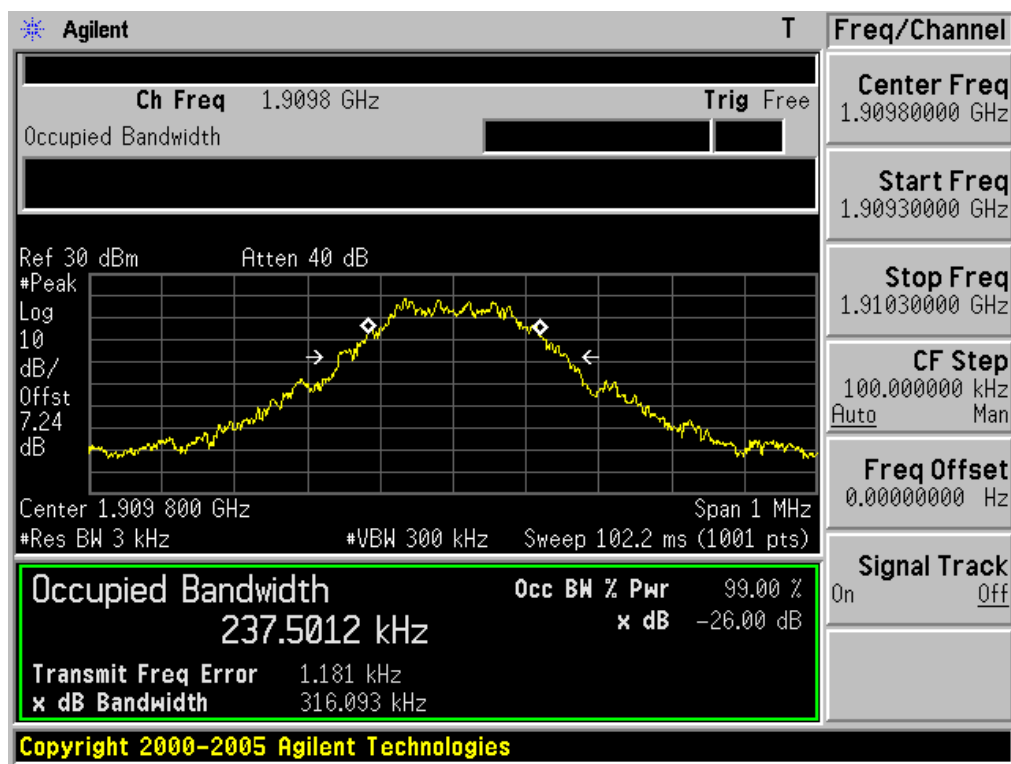


- Occupied Bandwidth. EDGE PCS Band Ch. 661



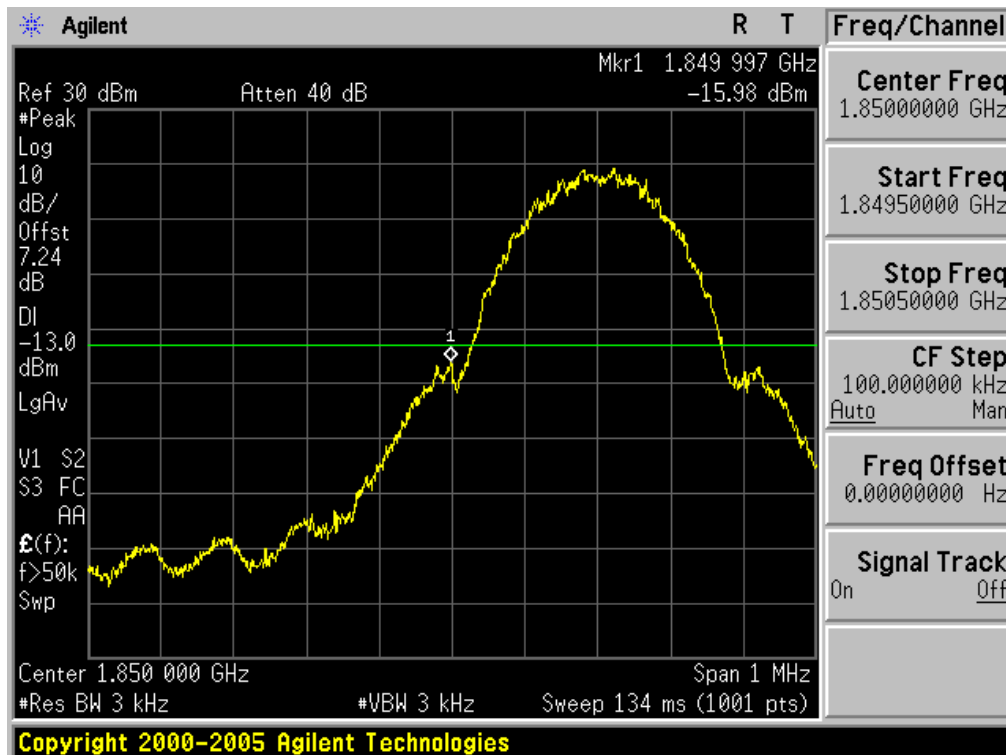
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- Occupied Bandwidth. EDGE PCS Band Ch. 810



Attachment EDGE DATA

- Band Edge. EDGE PCS Band Ch. 512



- Band Edge. EDGE PCS Band Ch. 810

