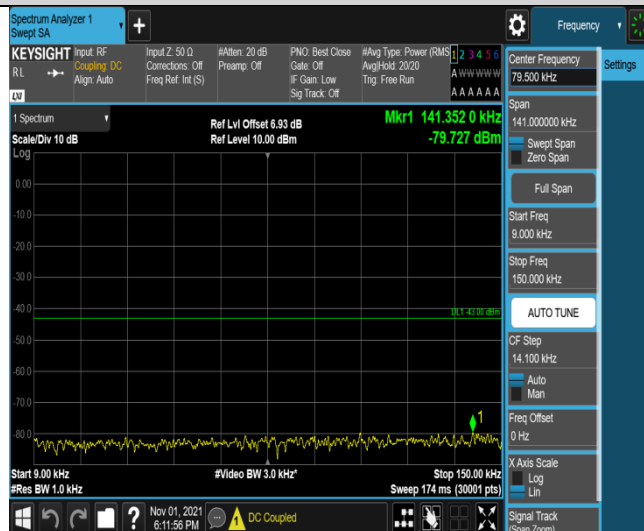
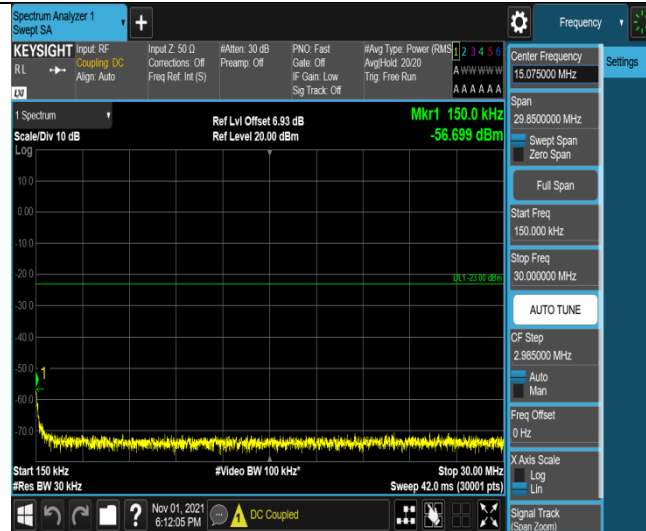




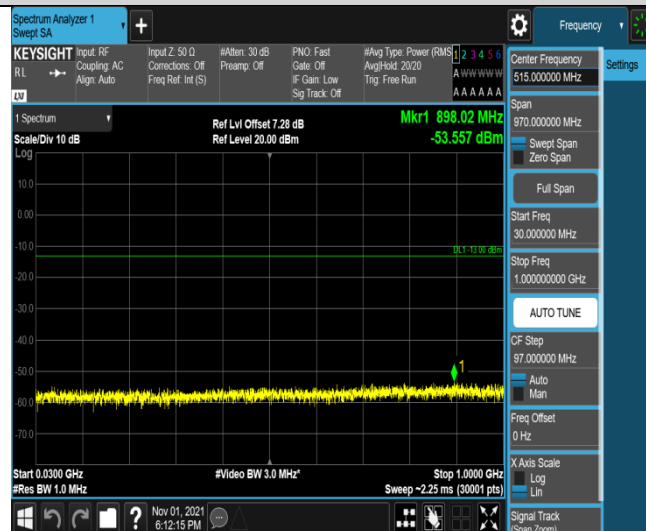
Band4-1513-0.009~0.15MHz



Band4-1513-0.15~30MHz



Band4-1513-30~1000MHz



Band4-1513-1000~3000MHz



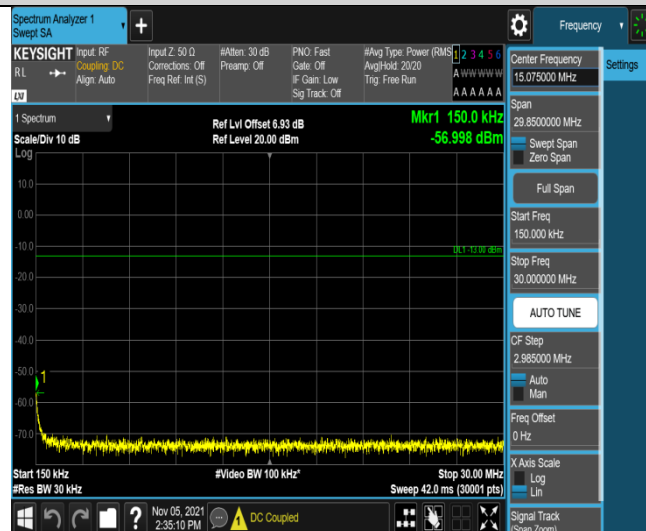
Band4-1513-3000~20000MHz



Band5-4132-0.009~0.15MHz



Band5-4132-0.15~30MHz



Band5-4132-30~1000MHz



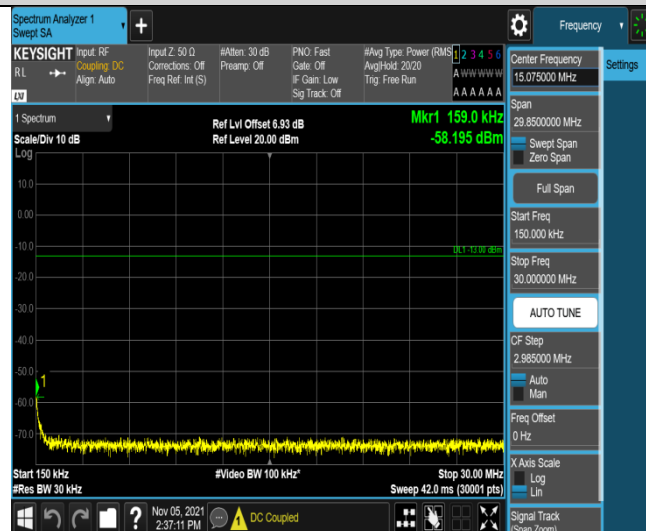
Band5-4132-1000~10000MHz



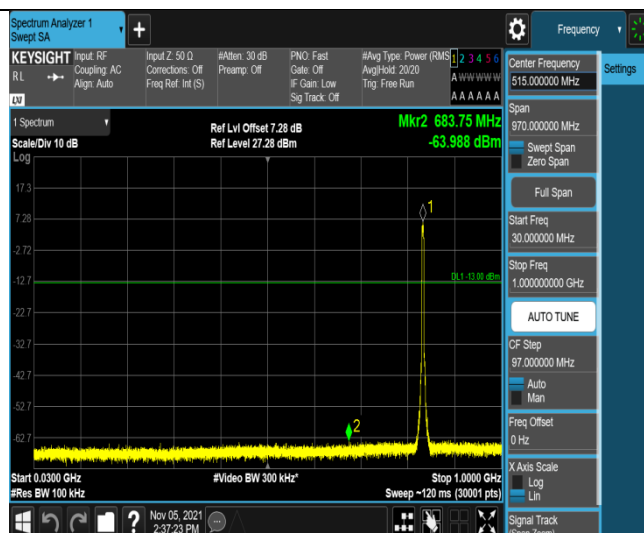
Band5-4183-0.009~0.15MHz



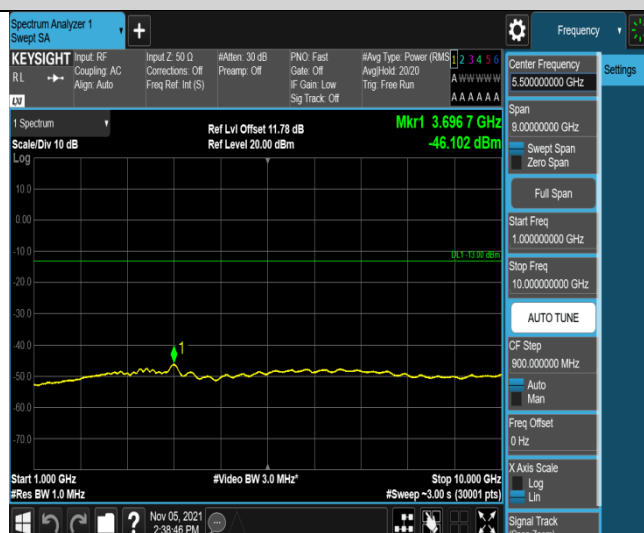
Band5-4183-0.15~30MHz



Band5-4183-30~1000MHz



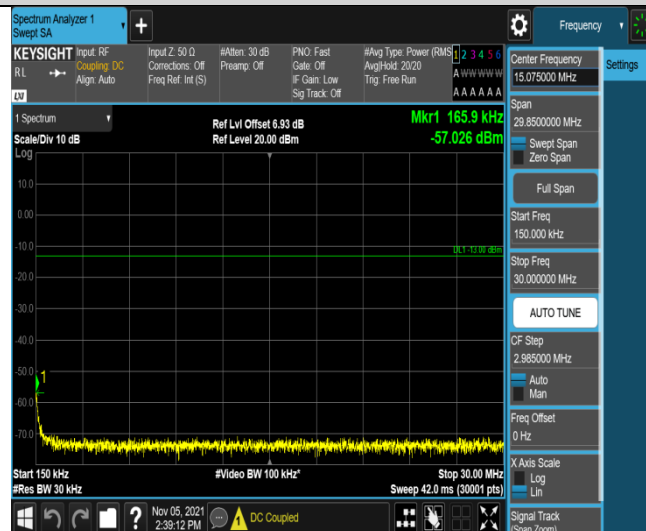
Band5-4183-1000~10000MHz



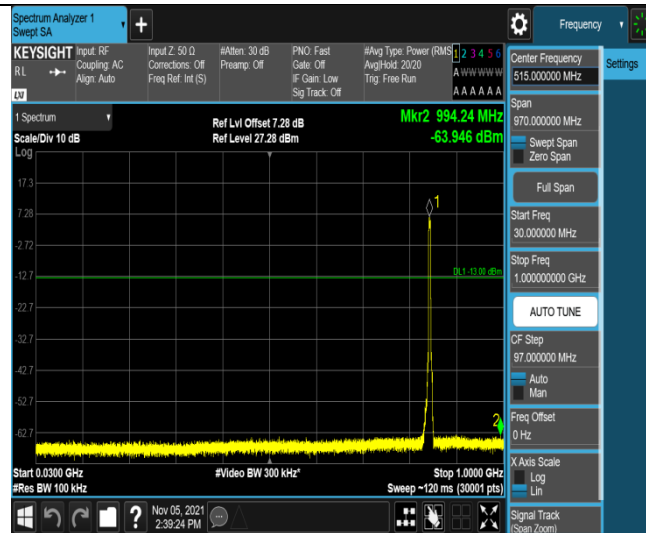
Band5-4233-0.009~0.15MHz



Band5-4233-0.15~30MHz



Band5-4233-30~1000MHz



Band5-4233-1000~10000MHz



Appendix_G: Field Strength of Spurious Radiation

The transmitting equipment under test (EUT) is placed on a styrene turntable which is four feet in diameter and approximately 0.8 meter up to 1GHz and 1.5 meter above 1GHz in height above the ground plane. During the radiated emissions test, the turntable is rotated and any cables leaving the EUT are manipulated to find the configuration resulting in maximum emissions. The EUT is adjusted through all three orthogonal axes to obtain maximum emission levels. The antenna height and polarization are varied during the testing to search for maximum signal levels.

The frequency range scanned is from the lowest radio frequency signal generated in the device which is greater than 9 kHz to the tenth harmonic of the highest fundamental frequency or 40 GHz, whichever is lower. The emissions were very low against the limit in the frequency range 9kHz to 30MHz and 18 GHz ~ 20 GHz.

Note: We tested all modes, but the data presented below is the worst case.

9kHz~150kHz, VBW = 200Hz, VBW = 600 Hz, Detector: PK

150kHz~30MHz, VBW = 9kHz, VBW = 30k Hz, Detector: PK

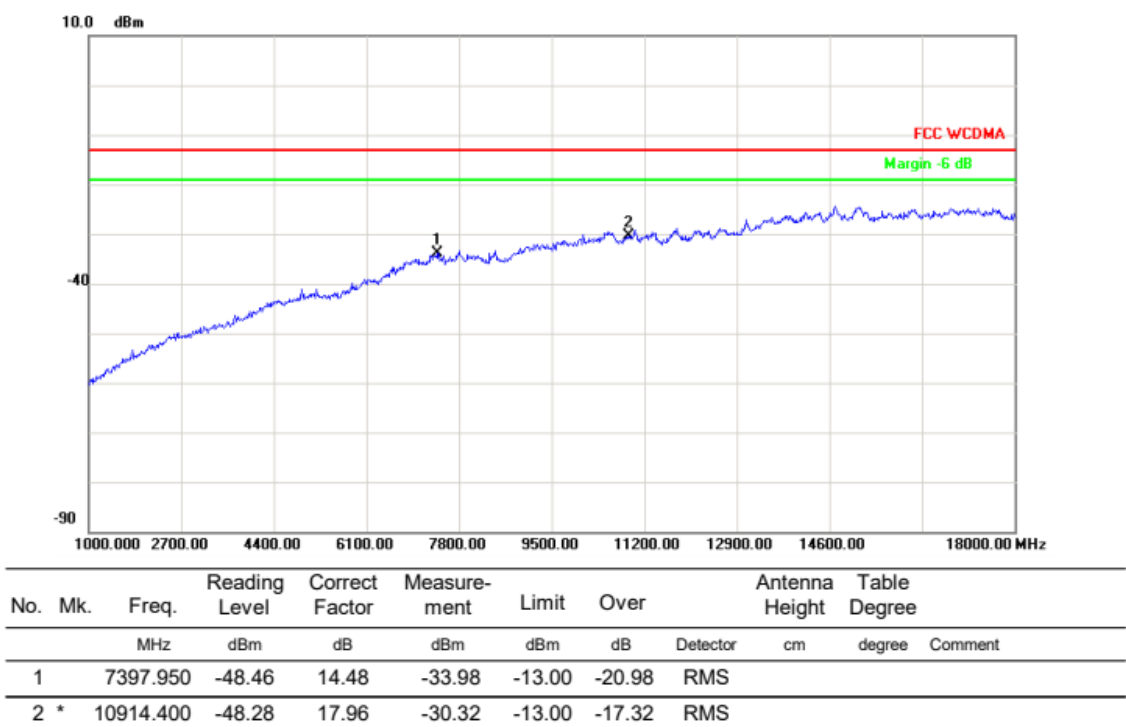
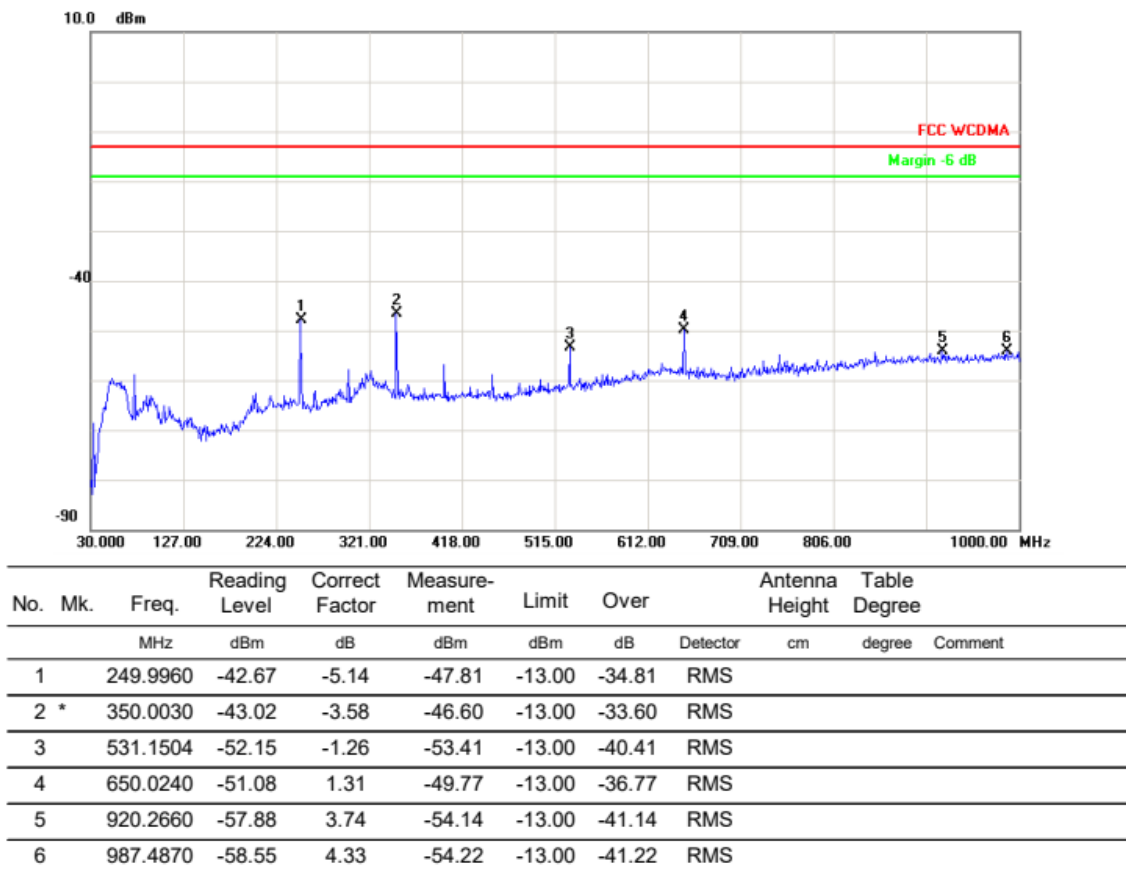
30MHz~1GHz, RBW = 100 kHz, VBW = 300 kHz. Detector: PK

Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Test Graphs

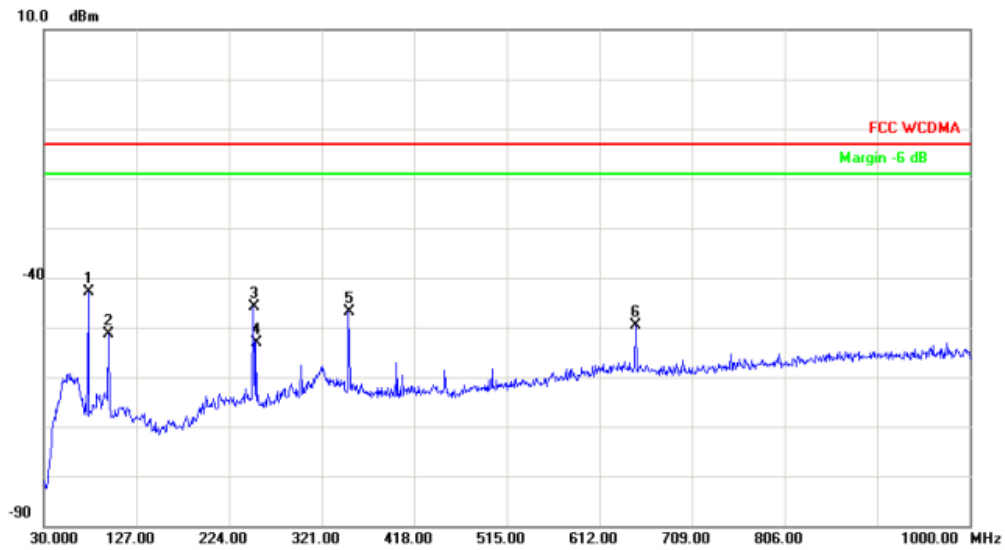
Test Band = WCDMA1900

Test Mode = UMTS/TM1

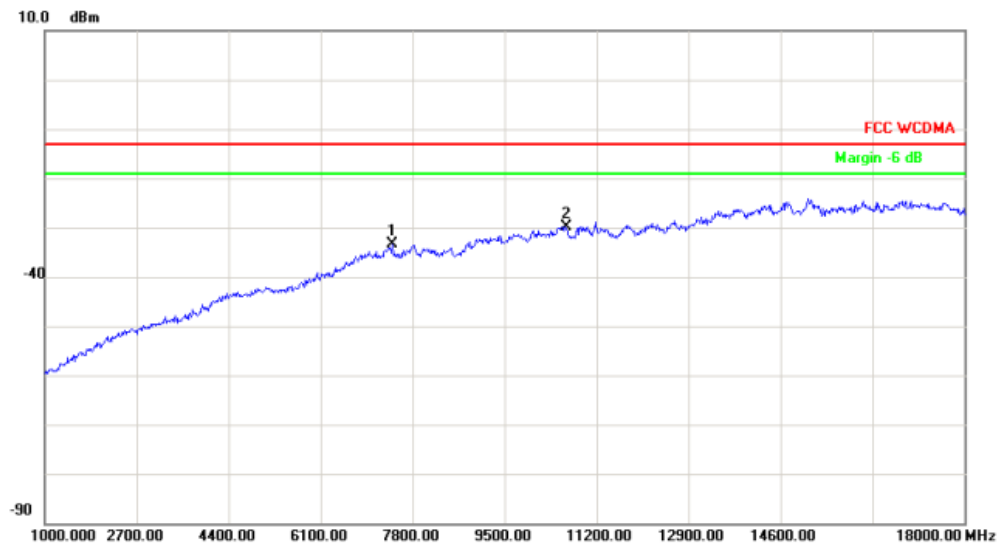


Test Band = WCDMA1700

Test Mode = UMTS/TM1



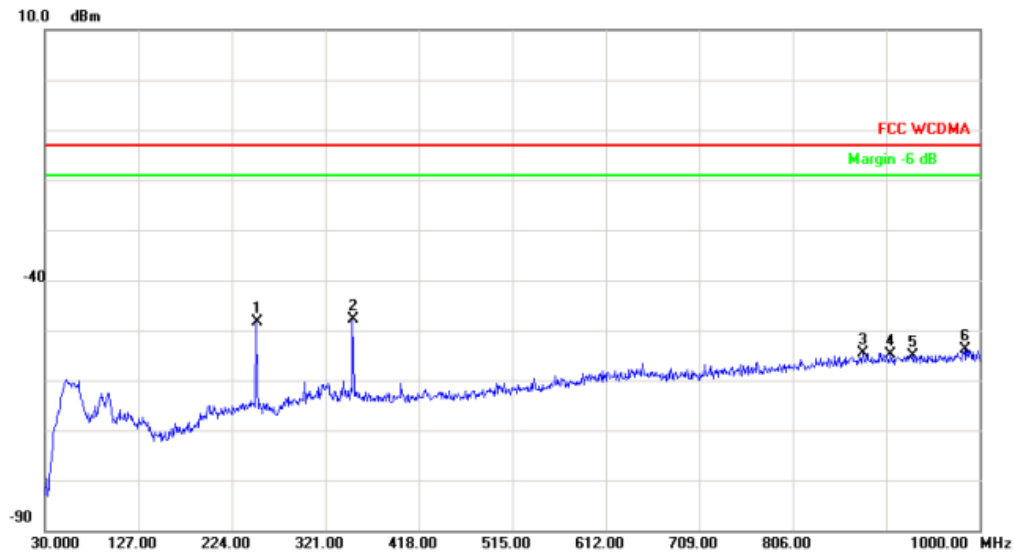
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	Comment
1	*	76.5600	-35.94	-6.83	-42.77	-13.00	-29.77	RMS		
2		98.0455	-44.97	-6.30	-51.27	-13.00	-38.27	RMS		
3		249.9960	-40.78	-5.14	-45.92	-13.00	-32.92	RMS		
4		252.8575	-47.73	-5.29	-53.02	-13.00	-40.02	RMS		
5		350.0030	-43.21	-3.58	-46.79	-13.00	-33.79	RMS		
6		650.0725	-50.82	1.31	-49.51	-13.00	-36.51	RMS		



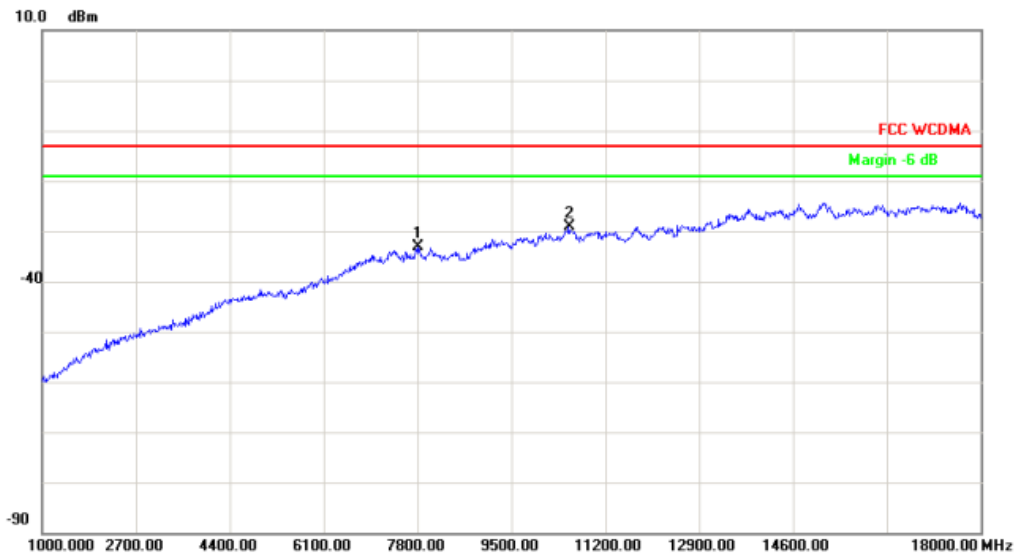
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	Comment
1		7431.100	-48.04	14.55	-33.49	-13.00	-20.49	RMS		
2	*	10637.300	-47.80	18.01	-29.79	-13.00	-16.79	RMS		

Test Band = WCDMA850

Test Mode = UMTS/TM1



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	Comment
1		249.9960	-43.16	-5.14	-48.30	-13.00	-35.30	RMS		
2	*	350.0030	-44.20	-3.58	-47.78	-13.00	-34.78	RMS		
3		878.8953	-58.07	3.54	-54.53	-13.00	-41.53	RMS		
4		907.8985	-58.48	3.71	-54.77	-13.00	-41.77	RMS		
5		930.4510	-58.92	3.76	-55.16	-13.00	-42.16	RMS		
6		985.1590	-58.15	4.30	-53.85	-13.00	-40.85	RMS		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	Comment
1		7814.450	-48.25	15.21	-33.04	-13.00	-20.04	RMS		
2	*	10548.050	-47.16	18.02	-29.14	-13.00	-16.14	RMS		

Appendix H: Frequency Stability

Test Results

Frequency Error vs. Voltage:

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
WCDMA1900	UMTS/TM1	LCH	TN	VL	8.02	0.004330	PASS
				VN	6.46	0.003487	PASS
				VH	6.97	0.003763	PASS
		MCH	TN	VL	-0.87	-0.000463	PASS
				VN	-0.49	-0.000261	PASS
				VH	-1.01	-0.000537	PASS
		HCH	TN	VL	-8.01	-0.004199	PASS
				VN	-8.76	-0.004592	PASS
				VH	-8.40	-0.004403	PASS
WCDMA1700	UMTS/TM1	LCH	TN	VL	19.28	0.011259	PASS
				VN	19.57	0.011428	PASS
				VH	20.66	0.012065	PASS
		MCH	TN	VL	-0.41	-0.000237	PASS
				VN	-0.73	-0.000421	PASS
				VH	-0.39	-0.000225	PASS
		HCH	TN	VL	-24.09	-0.013745	PASS
				VN	-23.93	-0.013654	PASS
				VH	-24.28	-0.013854	PASS
WCDMA850	UMTS/TM1	LCH	TN	VL	2.68	0.003243	PASS
				VN	2.67	0.003231	PASS
				VH	2.69	0.003255	PASS
		MCH	TN	VL	0.13	0.000155	PASS
				VN	-0.19	-0.000227	PASS
				VH	0.16	0.000191	PASS
		HCH	TN	VL	-2.79	-0.003296	PASS
				VN	-2.93	-0.003461	PASS
				VH	-2.70	-0.003189	PASS

Frequency Error vs. Temperature:

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
WCDMA1900	UMTS/TM1	LCH	VN	0	6.10	0.003293	PASS
				10	6.69	0.003612	PASS
				20	7.35	0.003968	PASS
				30	6.82	0.003682	PASS
				40	7.72	0.004168	PASS
				50	6.73	0.003633	PASS
		MCH	VN	0	-0.57	-0.000303	PASS
				10	-0.17	-0.000090	PASS
				20	-1.19	-0.000633	PASS
				30	-0.72	-0.000383	PASS
				40	-0.31	-0.000165	PASS
				50	-0.16	-0.000085	PASS
		HCH	VN	0	-8.07	-0.004230	PASS
				10	-8.64	-0.004529	PASS
				20	-7.84	-0.004110	PASS
				30	-7.54	-0.003953	PASS
				40	-8.23	-0.004314	PASS
				50	-8.62	-0.004519	PASS
WCDMA1700	UMTS/TM1	LCH	VN	0	21.05	0.012293	PASS
				10	22.49	0.013134	PASS
				20	23.15	0.013519	PASS
				30	22.99	0.013426	PASS
				40	23.08	0.013478	PASS
				50	23.17	0.013531	PASS
		MCH	VN	0	-0.12	-0.000069	PASS
				10	-0.67	-0.000387	PASS
				20	0.06	0.000035	PASS
				30	-0.21	-0.000121	PASS
				40	-0.03	-0.000017	PASS
				50	0.16	0.000092	PASS
		HCH	VN	0	-24.60	-0.014036	PASS
				10	-24.65	-0.014065	PASS
				20	-25.36	-0.014470	PASS
				30	-25.06	-0.014299	PASS

				40	-24.82	-0.014162	PASS
				50	-24.48	-0.013968	PASS
WCDMA850	UMTS/TM1	LCH	VN	0	2.72	0.003291	PASS
				10	2.77	0.003352	PASS
				20	2.88	0.003485	PASS
				30	2.79	0.003376	PASS
				40	2.71	0.003279	PASS
				50	2.68	0.003243	PASS
		MCH	VN	0	0.15	0.000179	PASS
				10	0.16	0.000191	PASS
				20	0.16	0.000191	PASS
				30	-0.03	-0.000036	PASS
				40	0.25	0.000299	PASS
				50	0.00	0.000000	PASS
		HCH	VN	0	-2.69	-0.003177	PASS
				10	-2.59	-0.003059	PASS
				20	-2.64	-0.003118	PASS
				30	-2.48	-0.002929	PASS
				40	-2.43	-0.002870	PASS
				50	-2.55	-0.003012	PASS

END