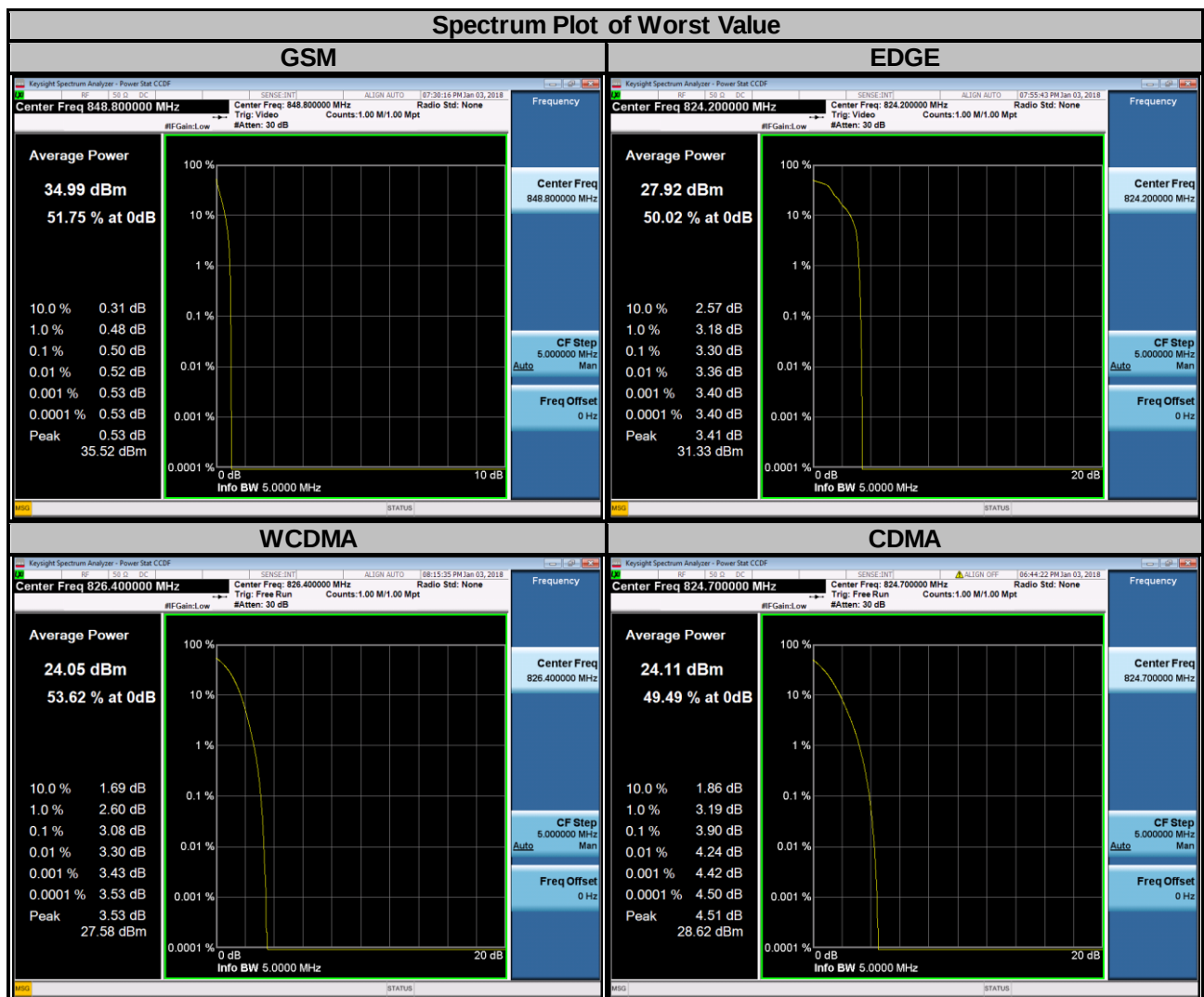
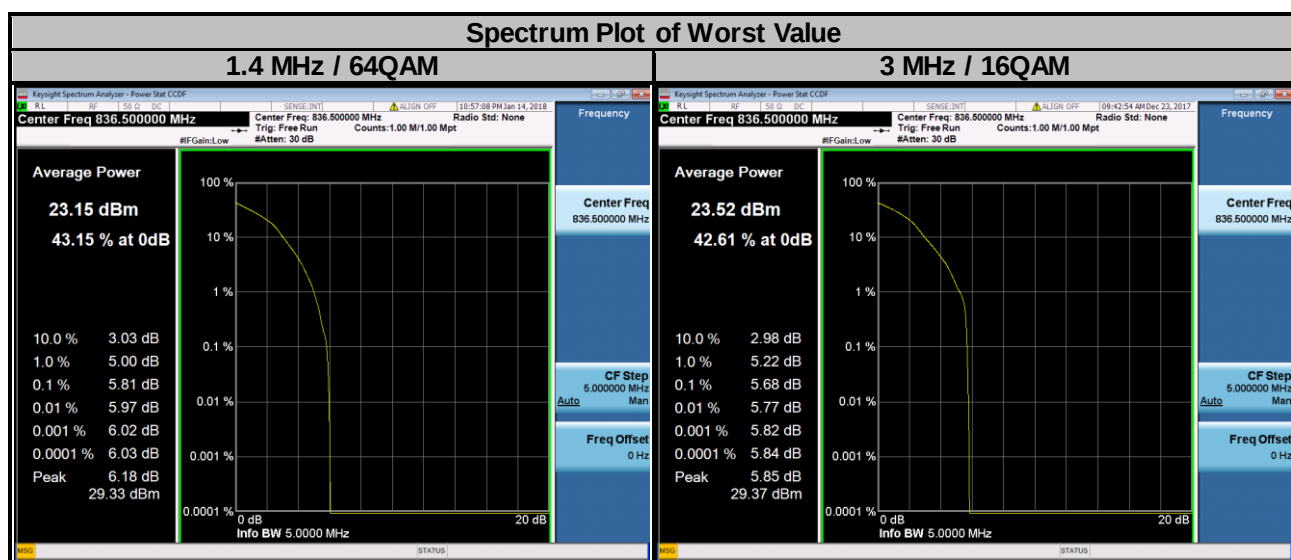


4.5.4 Test Results

Channel	Frequency (MHz)	Peak to Average Ratio (dB)		Channel	Frequency (MHz)	Peak to Average Ratio (dB)
		GSM	EDGE			
128	824.2	0.49	3.30	4132	826.4	3.08
189	836.4	0.49	3.27	4182	836.4	3.05
251	848.8	0.50	3.29	4233	846.6	2.98
Channel	Frequency (MHz)	Peak to Average Ratio (dB)				
		CDMA				
1013	824.70	3.90				
384	836.52	3.88				
777	848.31	3.29				



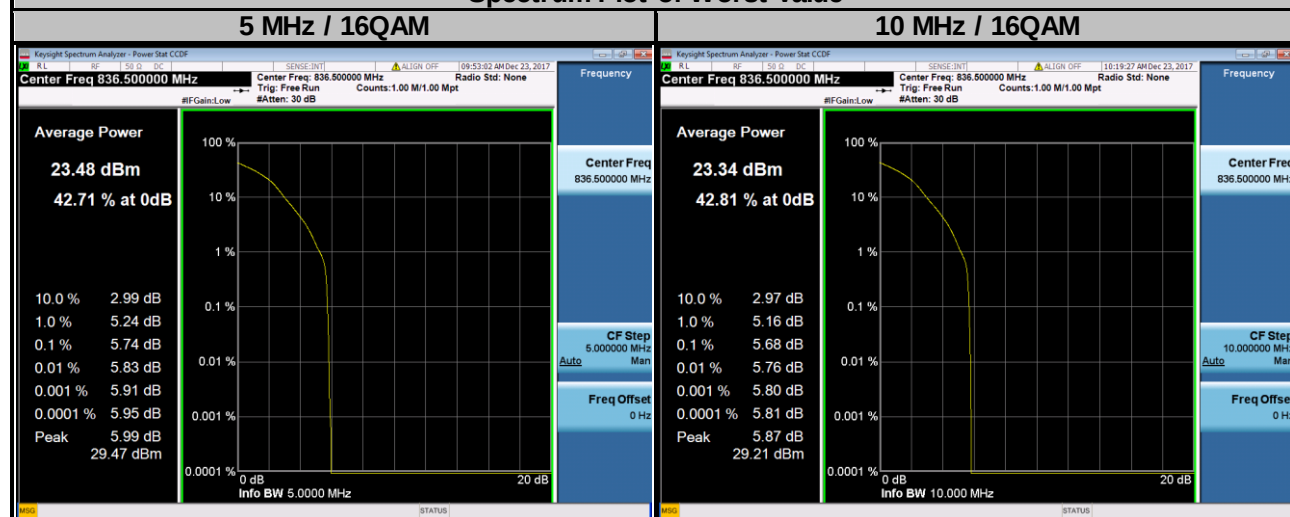
LTE Band 5									
Channel Bandwidth: 1.4 MHz					Channel Bandwidth: 3 MHz				
Channel	Frequency (MHz)	Peak to Average Ratio (dB)			Channel	Frequency (MHz)	Peak to Average Ratio (dB)		
		QPSK	16QAM	64QAM			QPSK	16QAM	64QAM
20407	824.7	4.98	5.75	5.70	20415	825.5	4.90	5.65	5.51
20525	836.5	4.98	5.79	5.81	20525	836.5	4.94	5.68	5.67
20643	848.3	4.29	5.07	5.12	20635	847.5	4.21	4.98	4.88



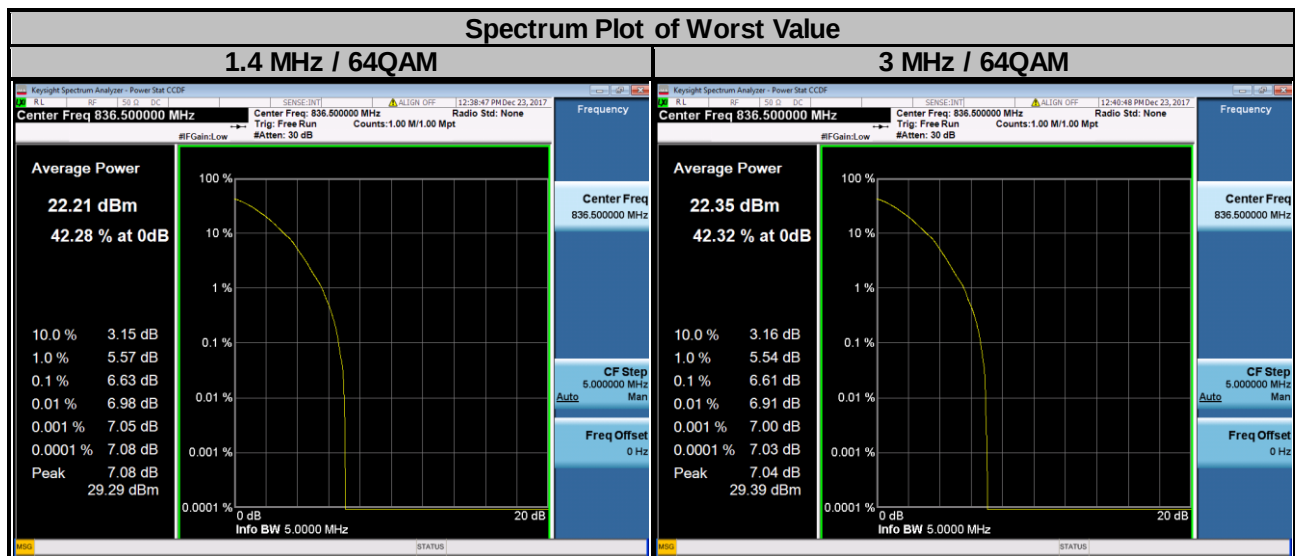
LTE Band 5

Channel Bandwidth: 5 MHz					Channel Bandwidth: 10 MHz				
Channel	Frequency (MHz)	Peak to Average Ratio (dB)			Channel	Frequency (MHz)	Peak to Average Ratio (dB)		
		QPSK	16QAM	64QAM			QPSK	16QAM	64QAM
20425	826.5	4.89	5.62	5.47	20450	829.0	4.86	5.63	5.53
20525	836.5	4.94	5.74	5.71	20525	836.5	4.89	5.68	5.60
20625	846.5	4.19	4.97	4.80	20600	844.0	4.67	5.39	5.38

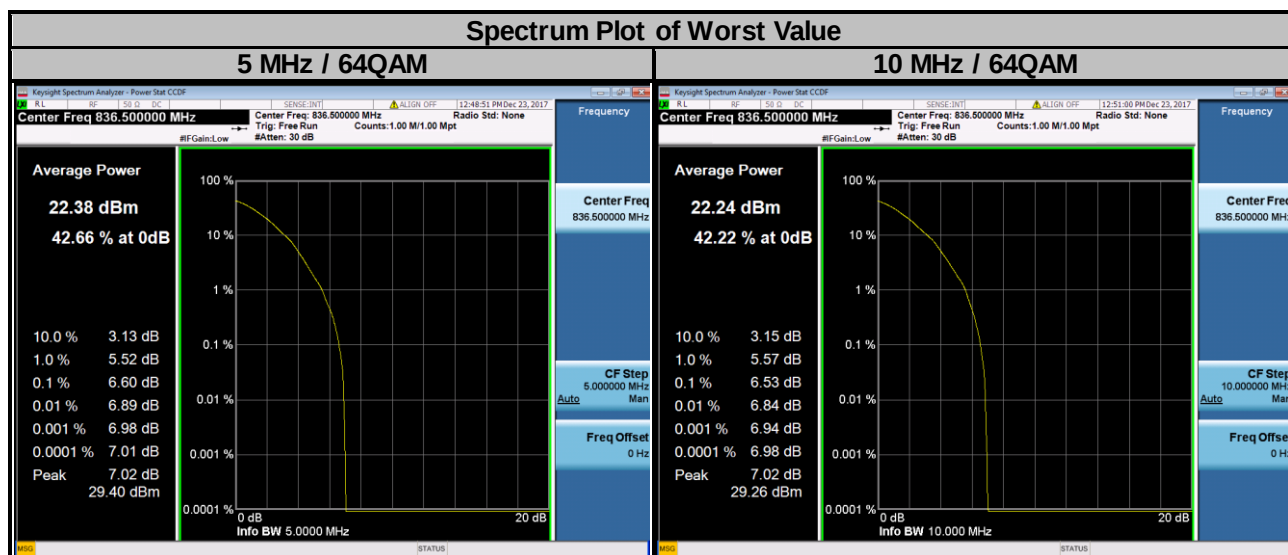
Spectrum Plot of Worst Value



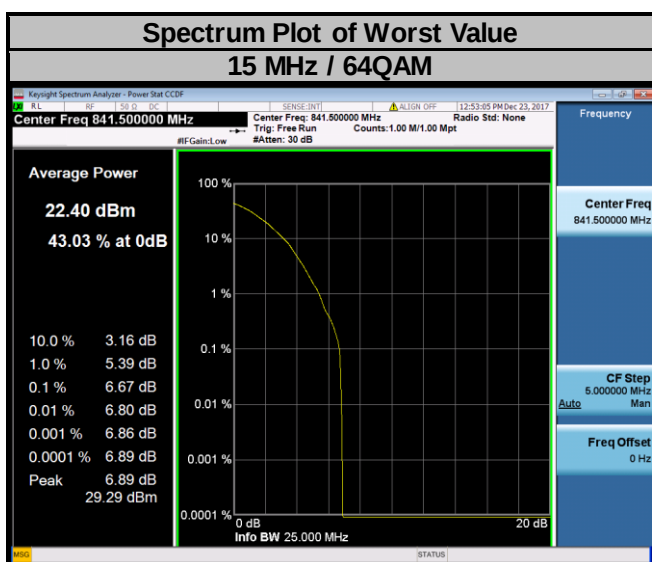
LTE Band 26									
Channel Bandwidth: 1.4 MHz					Channel Bandwidth: 3 MHz				
Channel	Frequency (MHz)	Peak to Average Ratio (dB)			Channel	Frequency (MHz)	Peak to Average Ratio (dB)		
		QPSK	16QAM	64QAM			QPSK	16QAM	64QAM
26797	824.7	5.01	5.78	6.56	26805	825.5	4.94	5.72	6.52
26915	836.5	5.08	5.89	6.63	26915	836.5	5.01	5.81	6.61
27033	848.3	4.35	5.14	5.95	27025	847.5	4.29	5.04	5.89



LTE Band 26									
Channel Bandwidth: 5 MHz					Channel Bandwidth: 10 MHz				
Channel	Frequency (MHz)	Peak to Average Ratio (dB)			Channel	Frequency (MHz)	Peak to Average Ratio (dB)		
		QPSK	16QAM	64QAM			QPSK	16QAM	64QAM
26815	826.5	4.56	5.37	6.15	26840	829.0	4.88	5.67	6.49
26915	836.5	4.72	5.80	6.60	26915	836.5	4.98	5.75	6.53
27015	846.5	3.75	4.55	5.37	26990	844.0	4.26	5.05	5.87



LTE Band 26				
Channel Bandwidth: 15 MHz				
Channel	Frequency (MHz)	Peak to Average Ratio (dB)		
		QPSK	16QAM	64QAM
26865	831.5	4.87	5.60	6.34
26915	836.5	4.88	5.62	6.51
26965	841.5	4.93	5.71	6.67

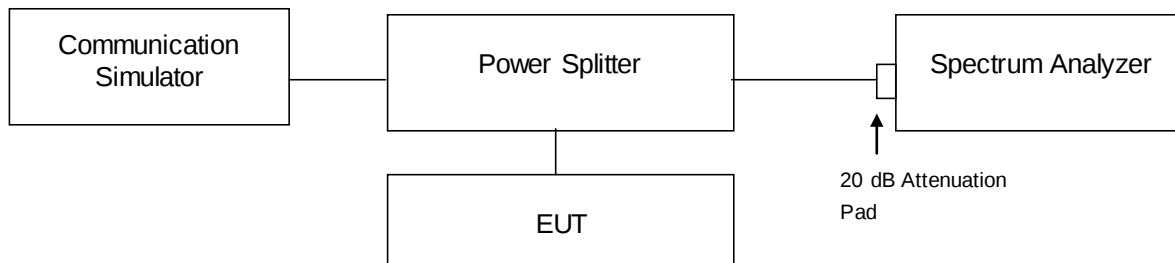


4.6 Conducted Spurious Emissions

4.6.1 Limits of Conducted Spurious Emissions Measurement

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB. The emission limit equal to -13 dBm.

4.6.2 Test Setup



4.6.3 Test Procedure

- The EUT makes a phone call to the communication simulator. All measurements were done at low, middle and high operational frequency range.
- Measuring frequency range is from 30 MHz to 1 GHz and 1 GHz to 10 GHz. 20 dB attenuation pad is connected with spectrum. RBW = 100 kHz and VBW = 300 kHz is used for conducted emission measurement.

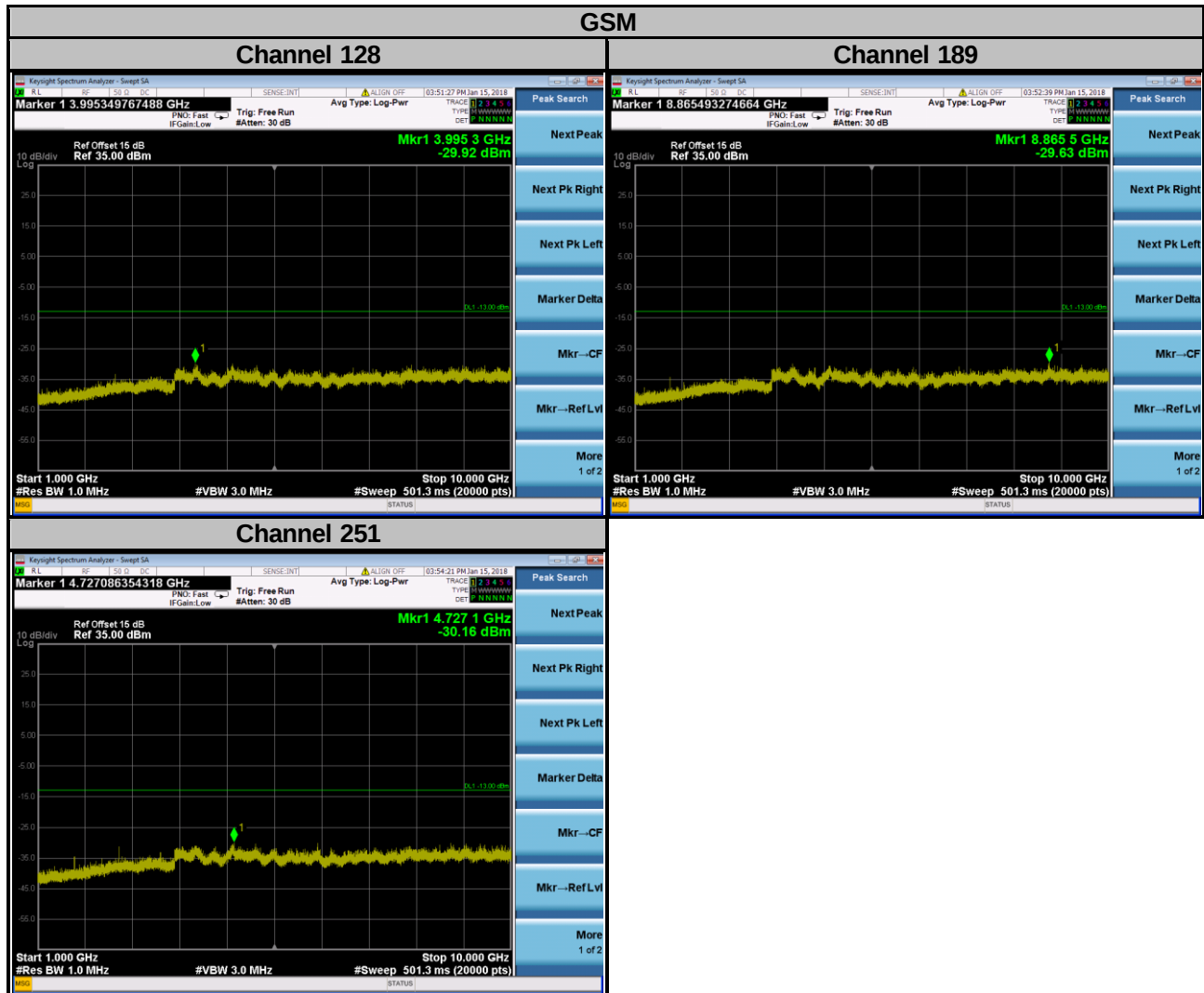
4.6.4 Test Results

GSM

30MHz ~ 1GHz



1GHz ~ 10GHz



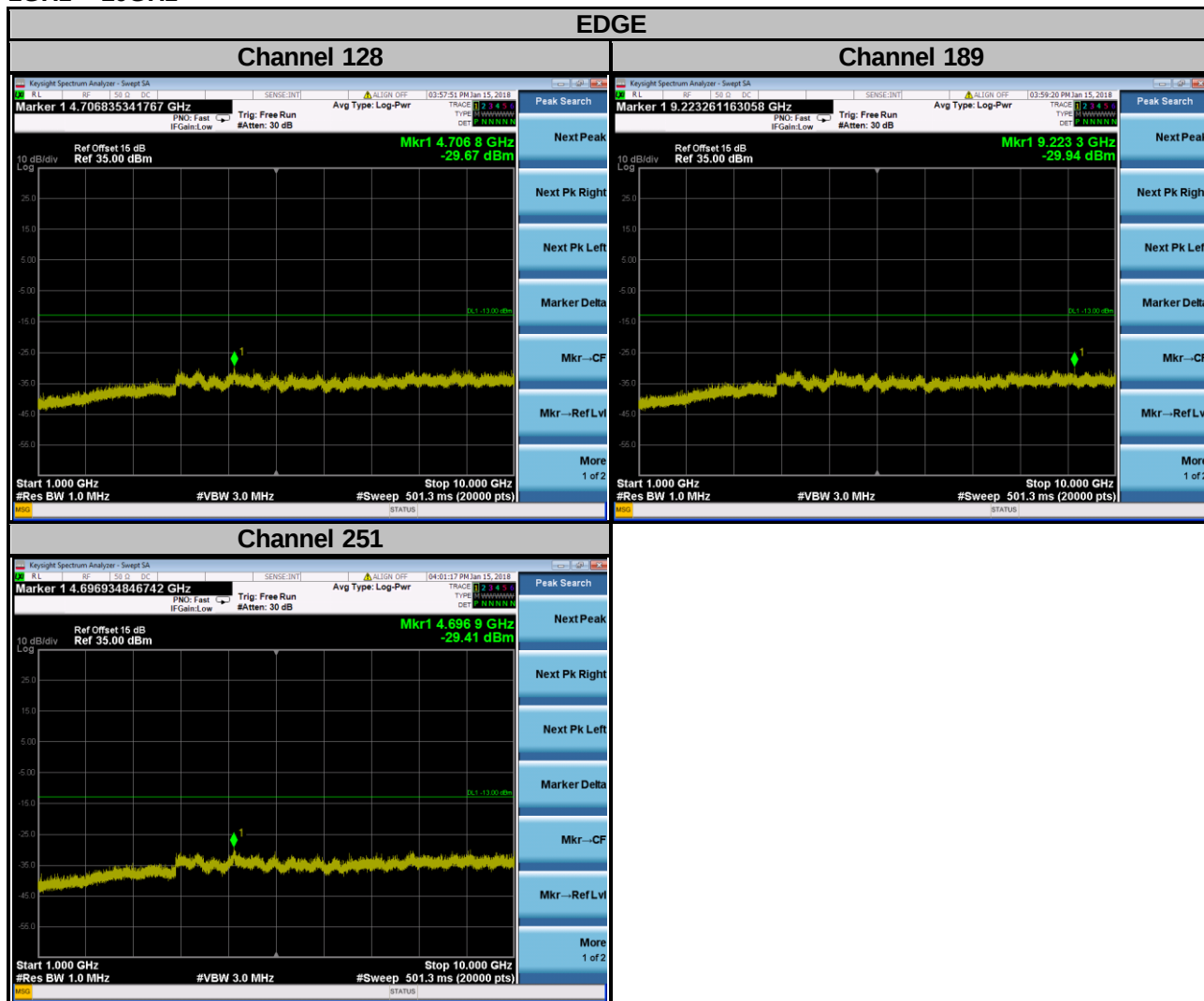
EDGE

30MHz ~ 1GHz

EDGE



1GHz ~ 10GHz

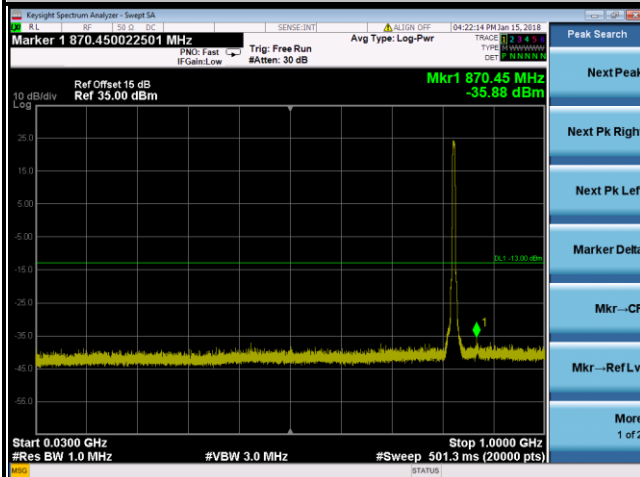


WCDMA

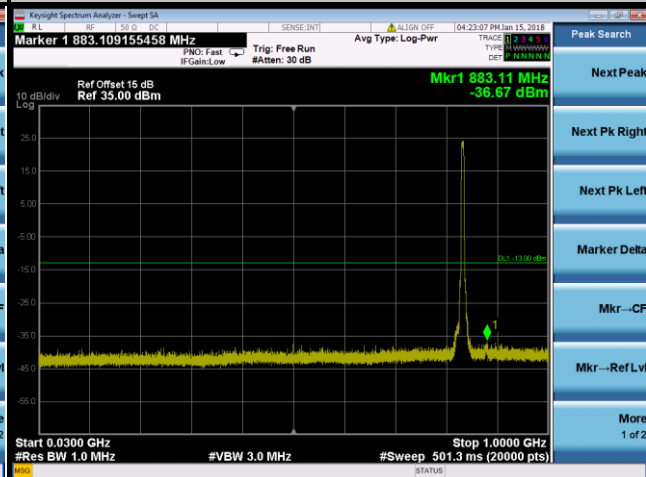
30MHz ~ 1GHz

WCDMA

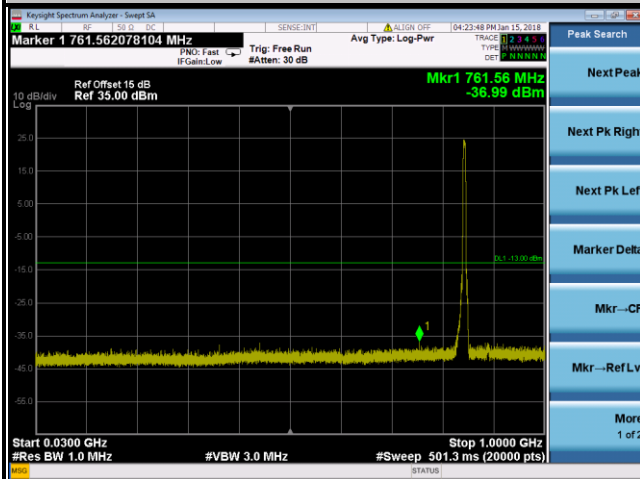
Channel 4132



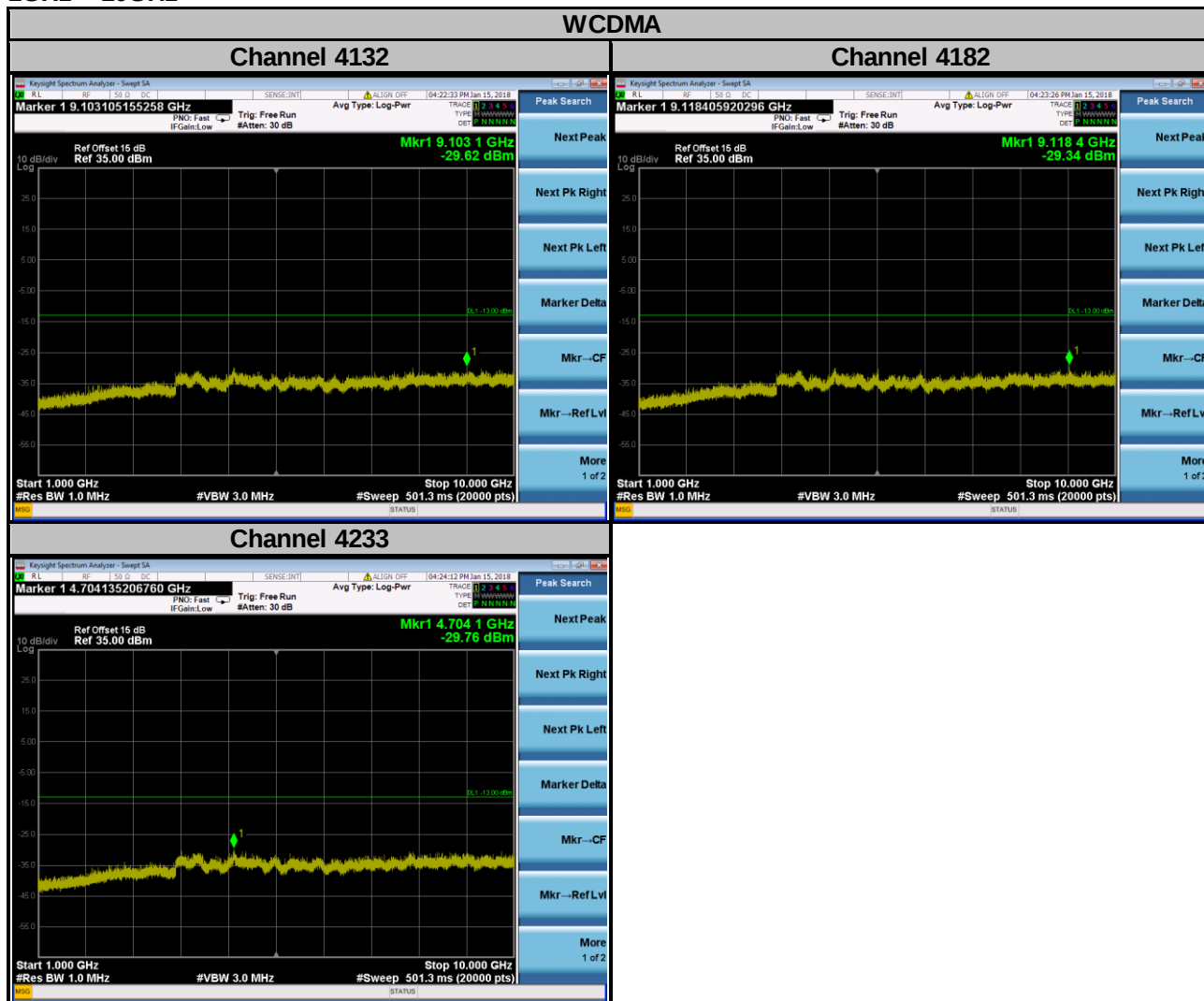
Channel 4182



Channel 4233

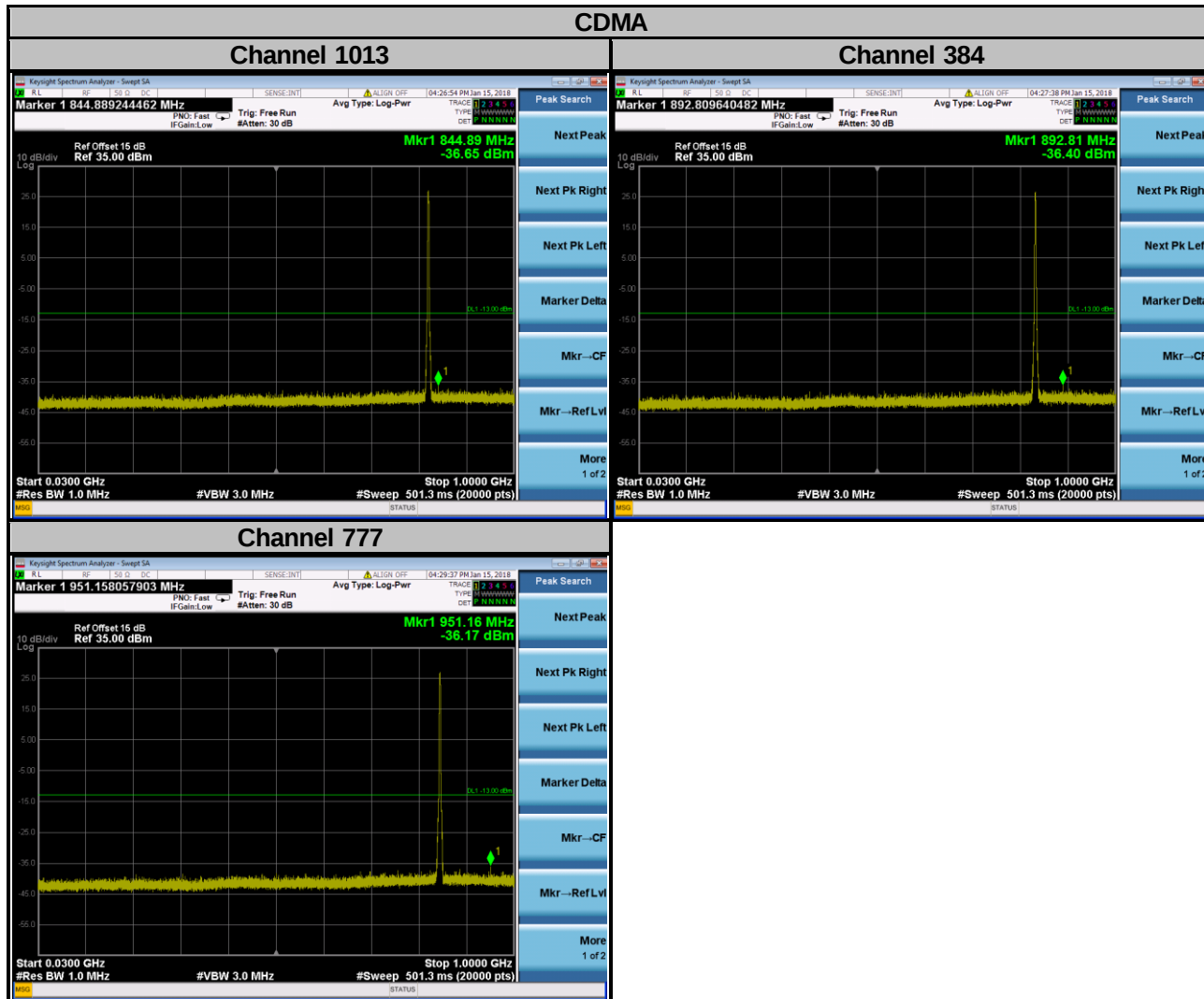


1GHz ~ 10GHz

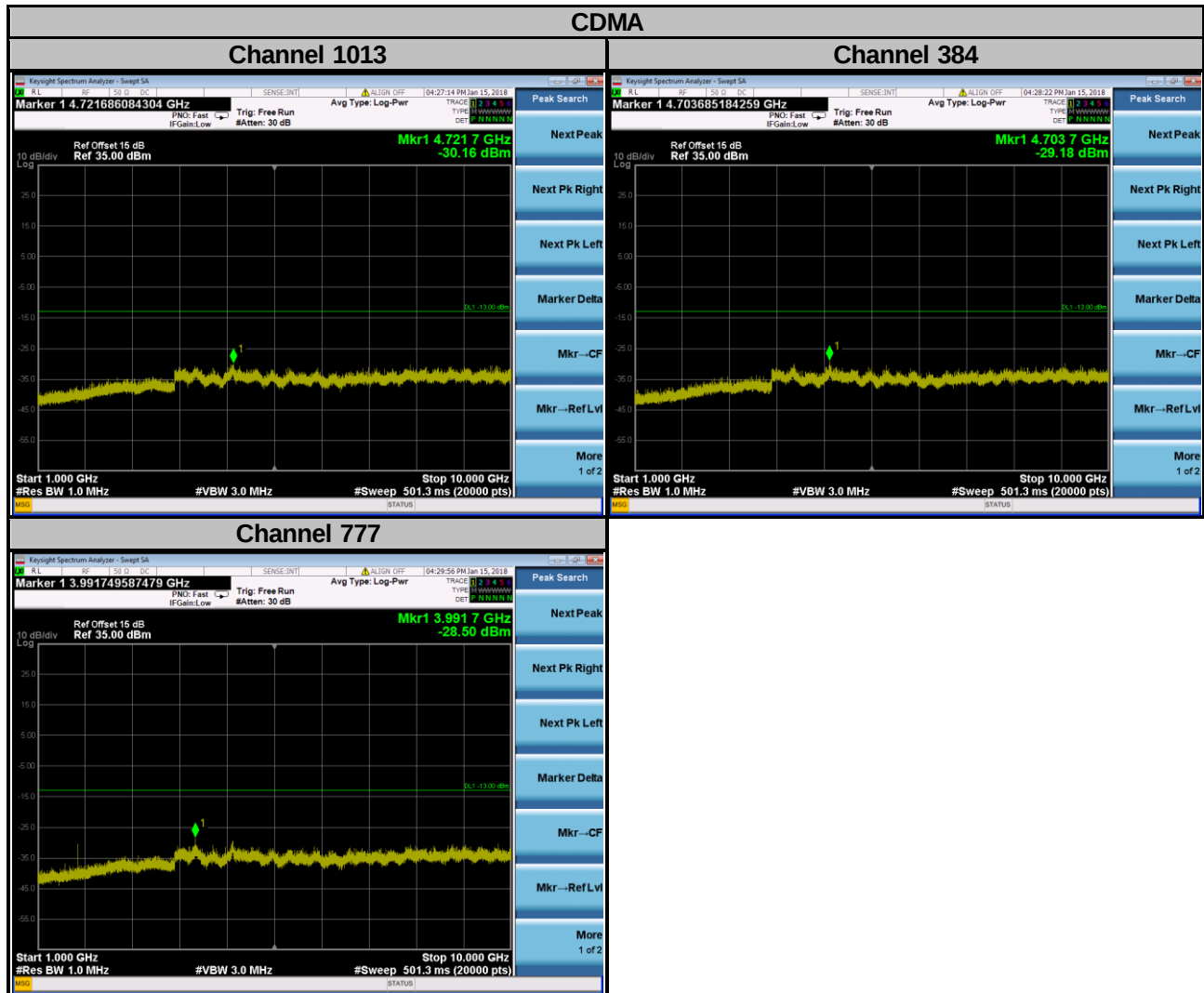


CDMA

30MHz ~ 1GHz



1GHz ~ 10GHz



LTE Band 5 30MHz ~ 1GHz

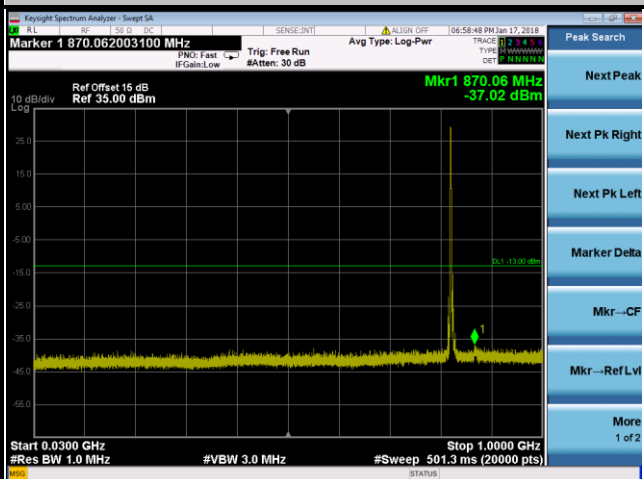




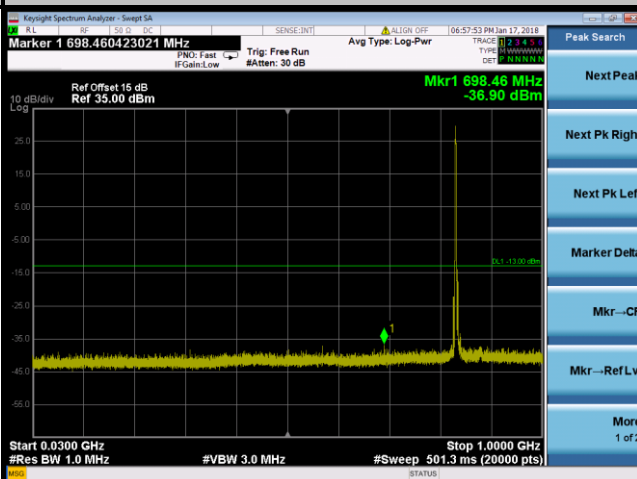
LTE Band 5

Channel Bandwidth: 5 MHz

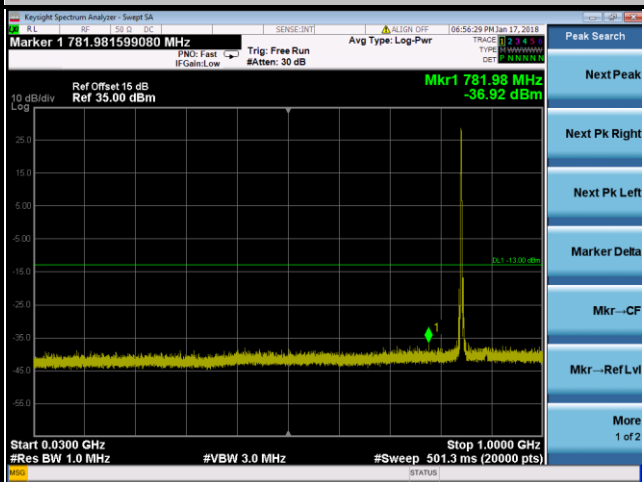
Channel 20425

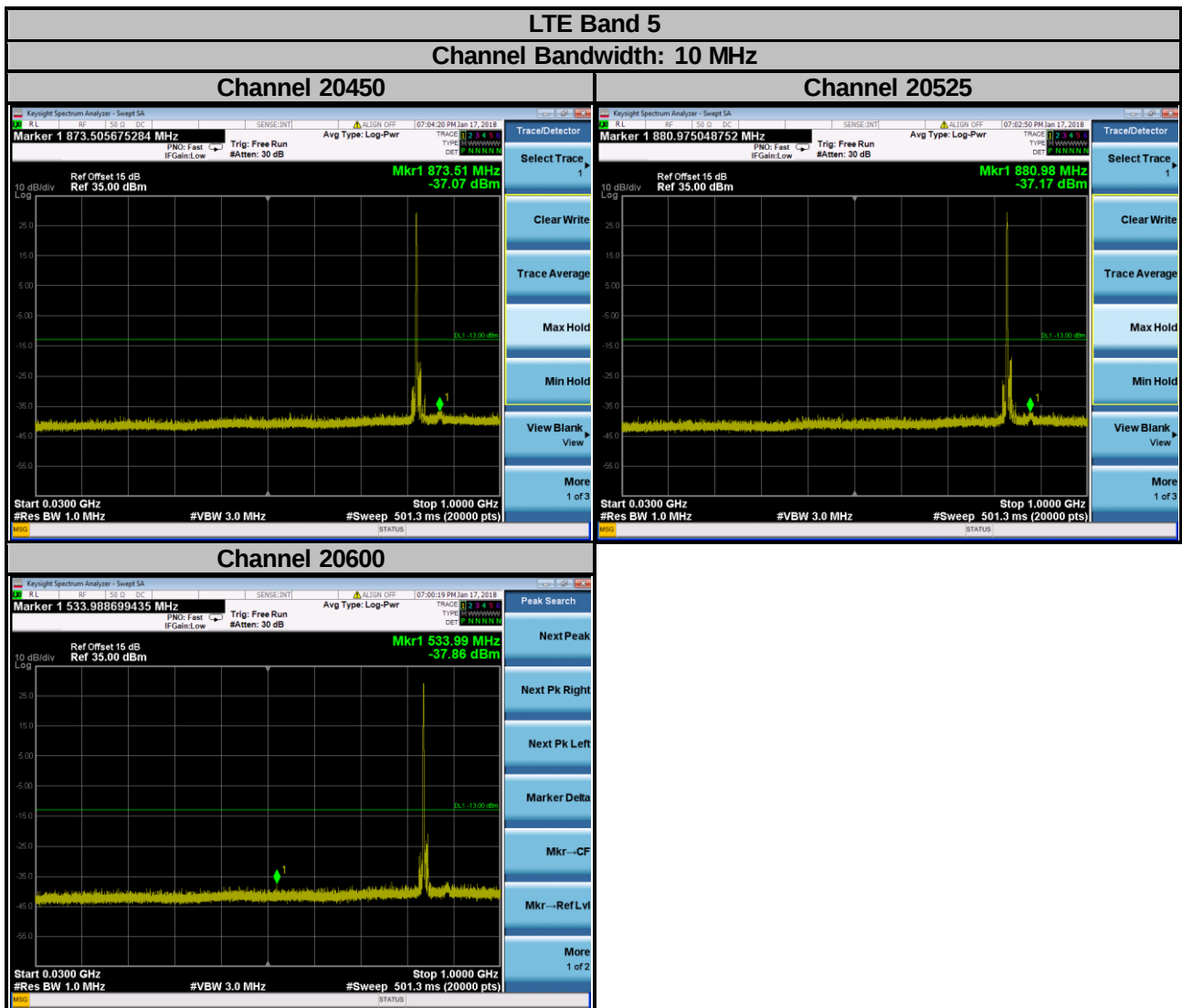


Channel 20525

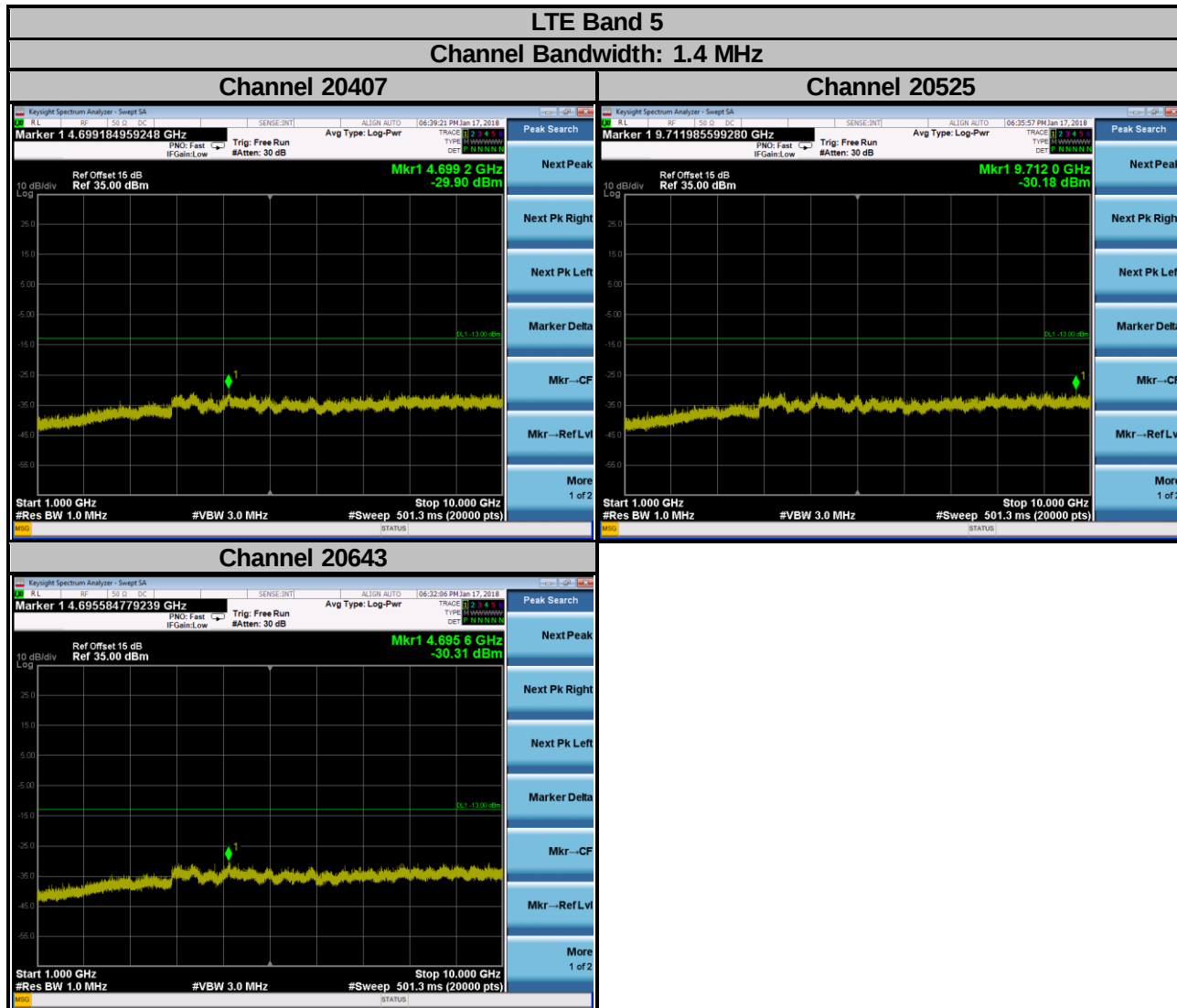


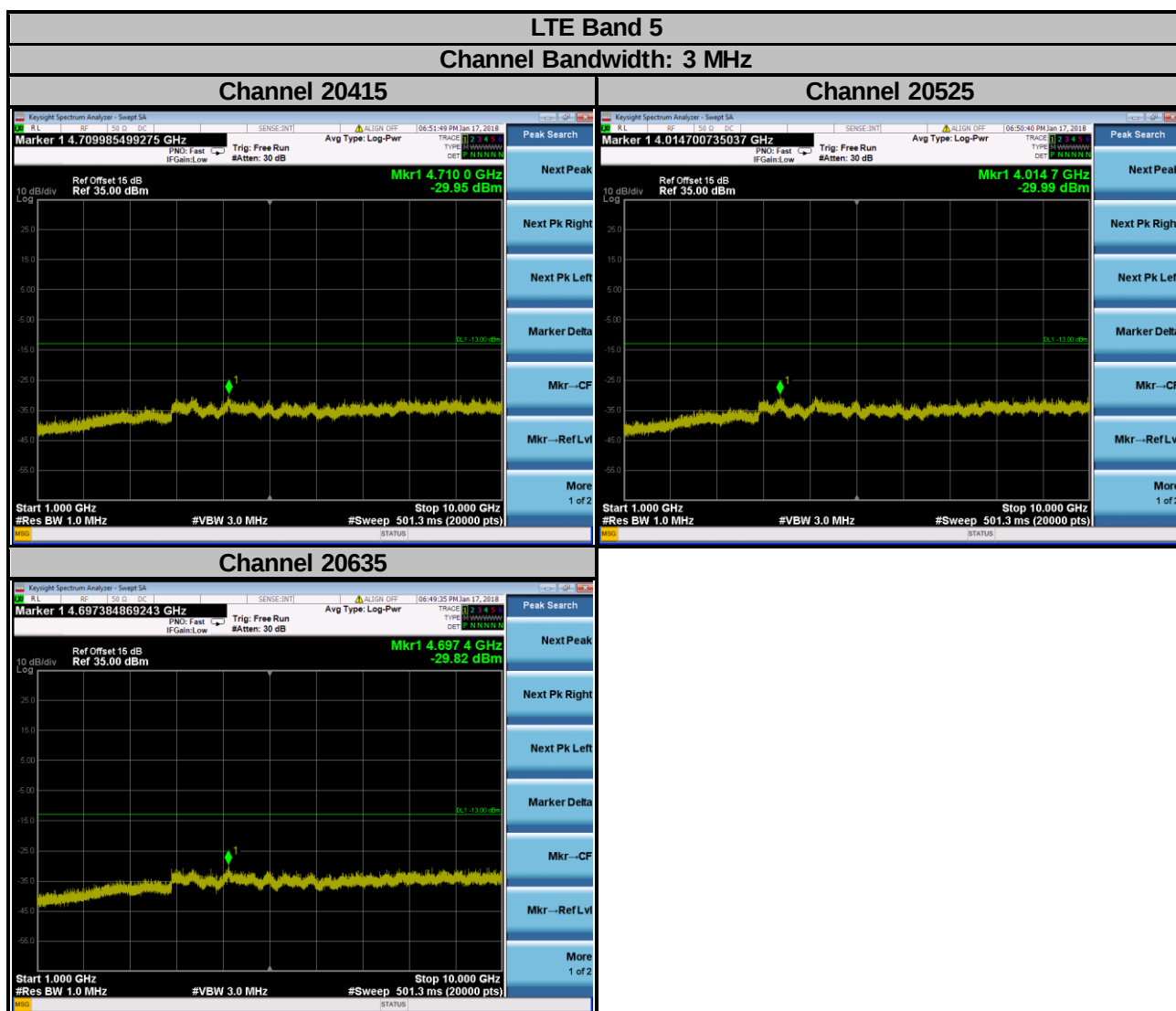
Channel 20625





1GHz ~ 10GHz

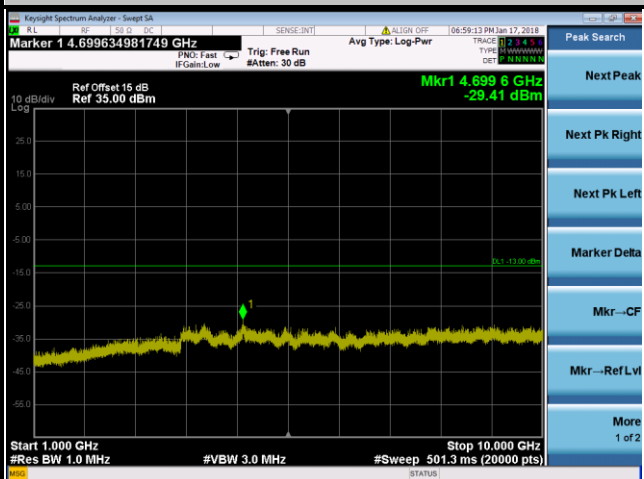




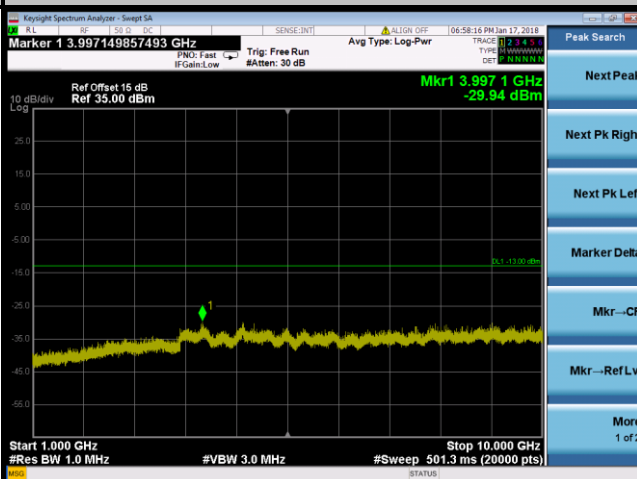
LTE Band 5

Channel Bandwidth: 5 MHz

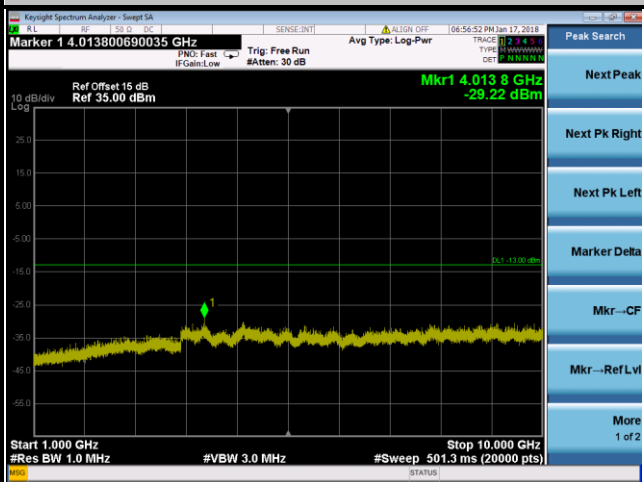
Channel 20425



Channel 20525



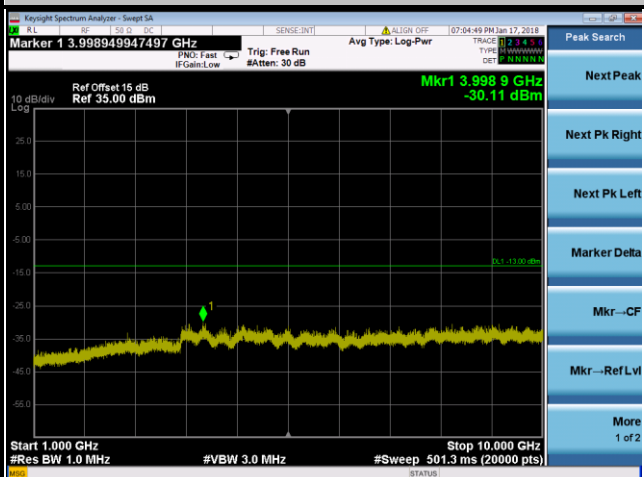
Channel 20625



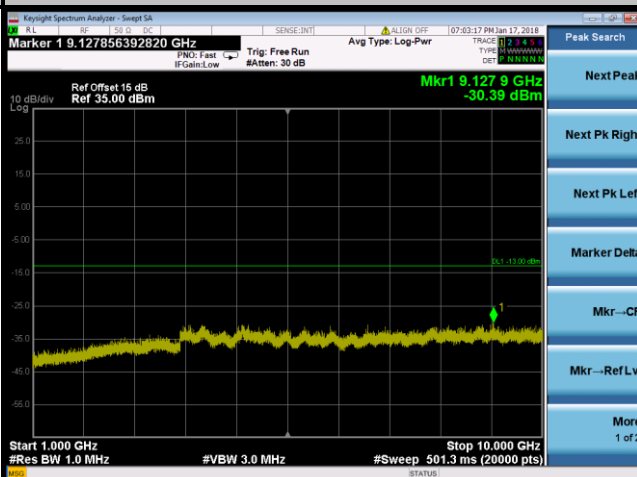
LTE Band 5

Channel Bandwidth: 10 MHz

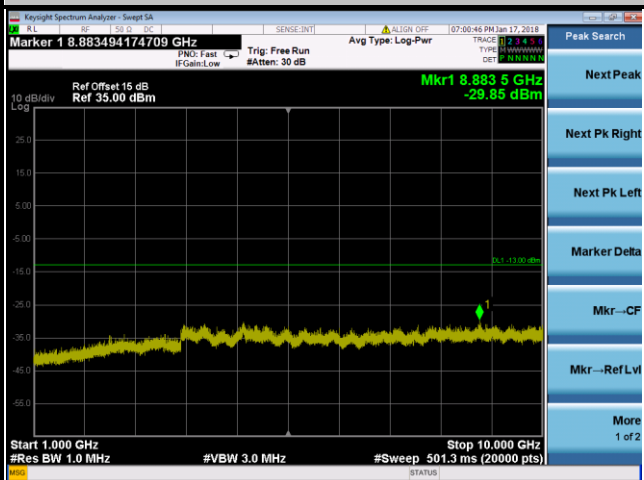
Channel 20450



Channel 20525



Channel 20600



LTE Band 26 30MHz ~ 1GHz

