
8.6. POWER SPECTRAL DENSITY

LIMITS

FCC §15.247 (e)

RSS-247 (5.2) (b)

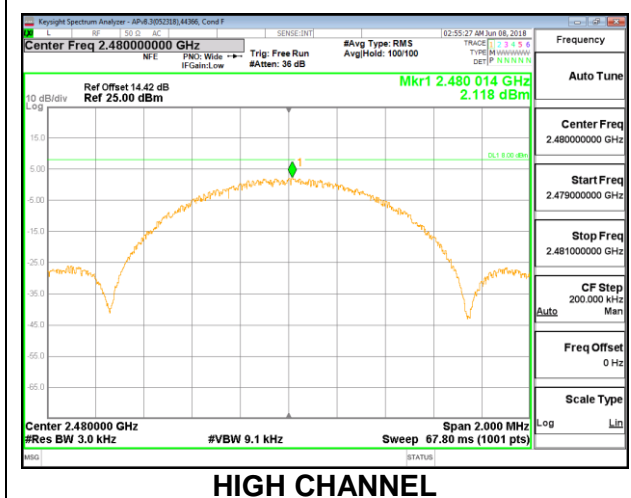
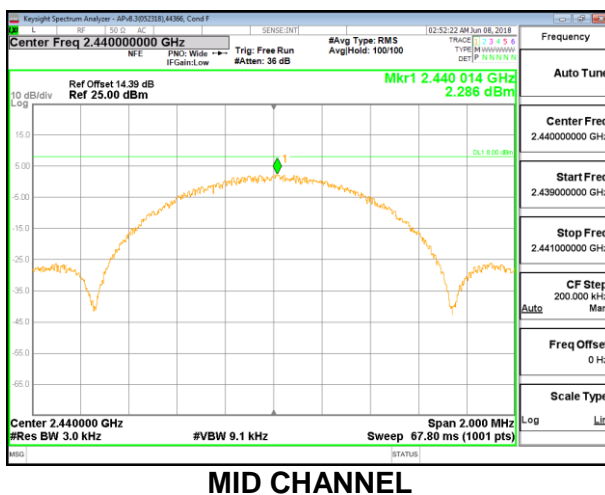
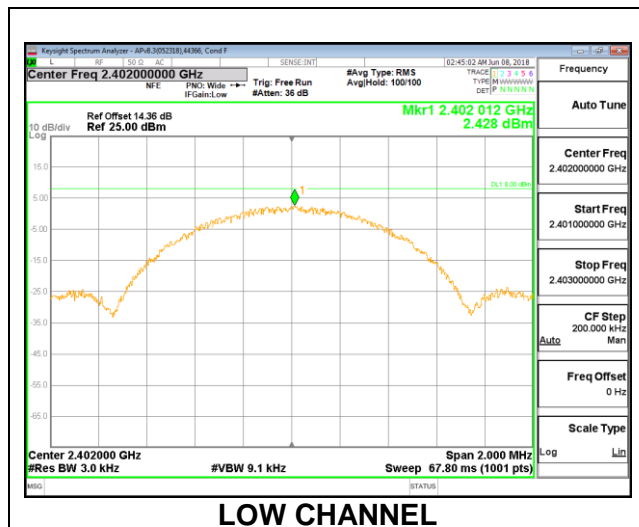
The power spectral density conducted from the transmitter to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

RESULTS

8.6.1. HIGH POWER BLE (1Mbps)

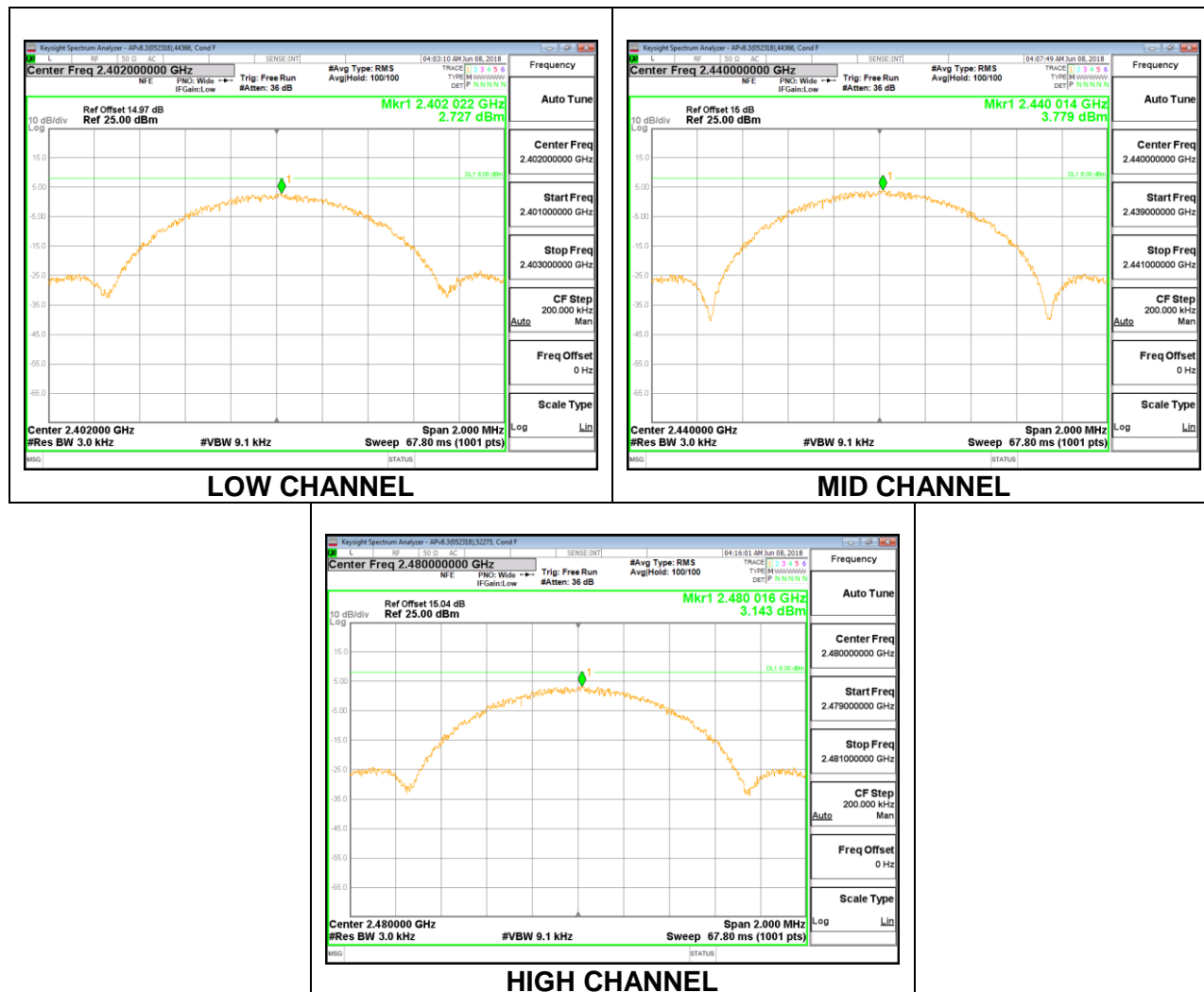
Antenna 2

Channel	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Margin (dB)
Low	2402	2.43	8	-5.57
Middle	2440	2.29	8	-5.71
High	2480	2.12	8	-5.88



Antenna 5

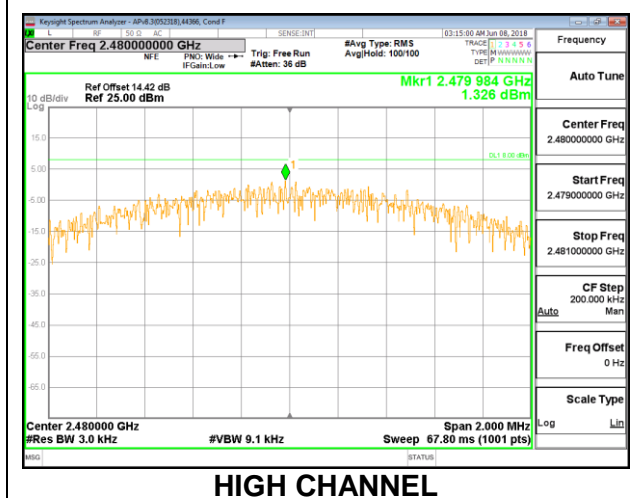
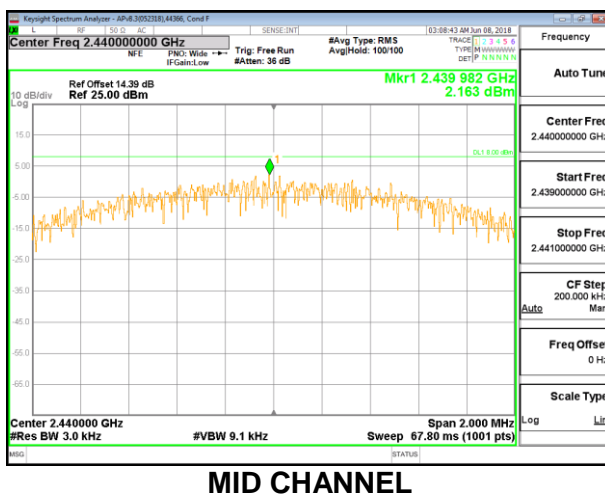
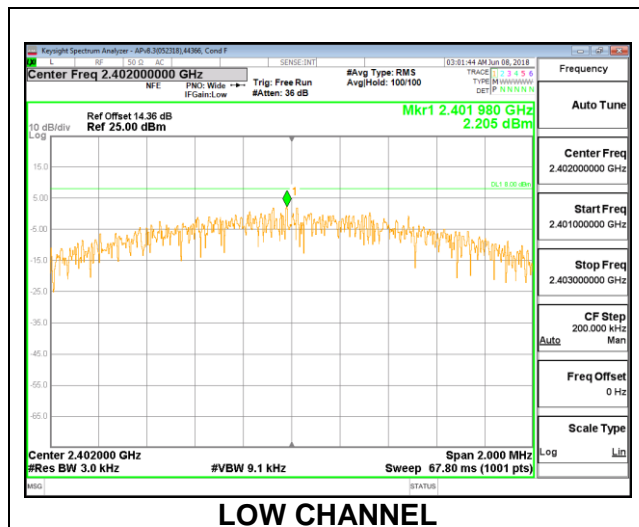
Channel	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Margin (dB)
Low	2402	2.73	8	-5.27
Middle	2440	3.78	8	-4.22
High	2480	3.14	8	-4.86



8.6.2. HIGH POWER BLE (2Mbps)

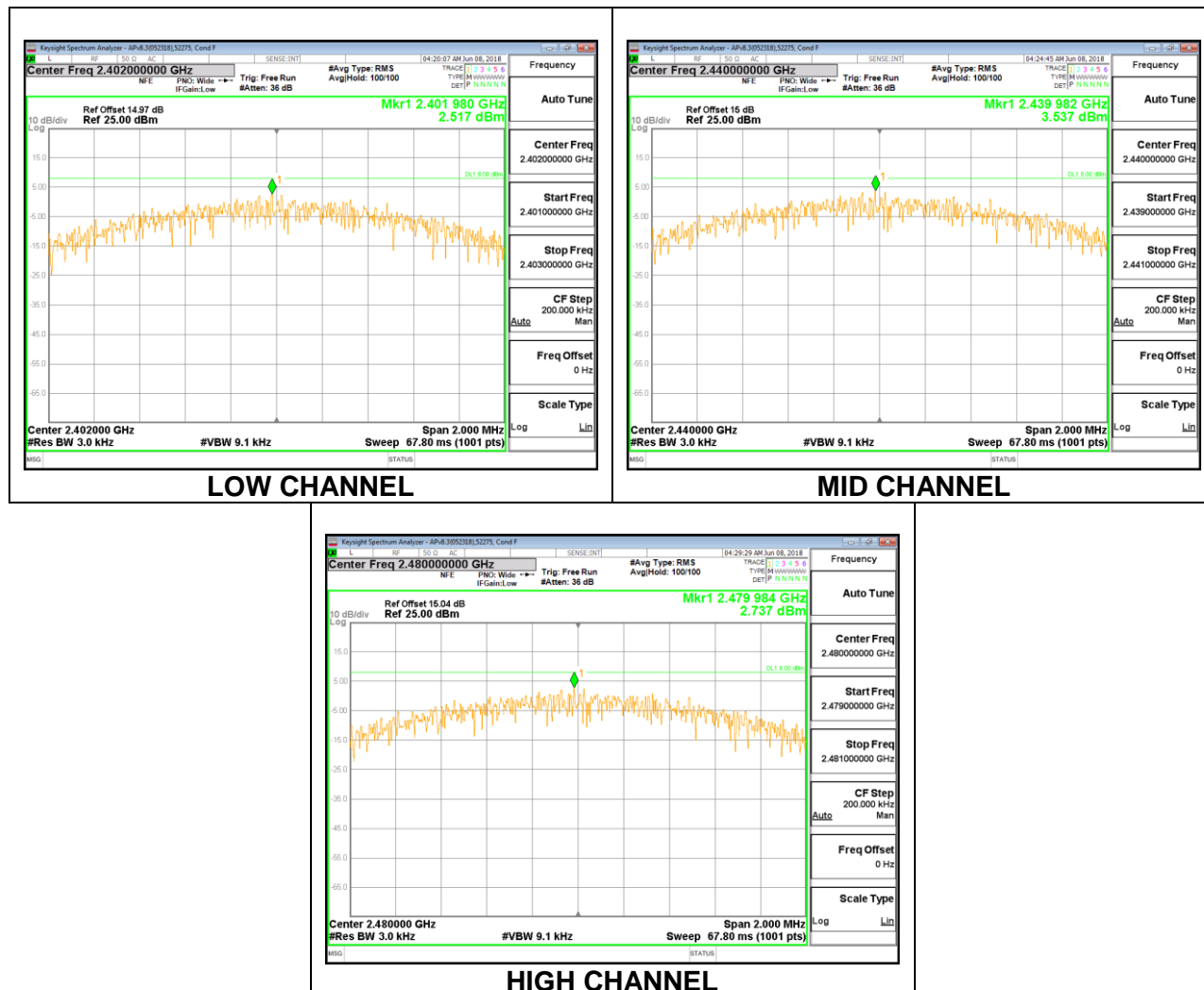
Antenna 2

Channel	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Margin (dB)
Low	2402	2.21	8	-5.79
Middle	2440	2.16	8	-5.84
High	2480	1.33	8	-6.67



Antenna 5

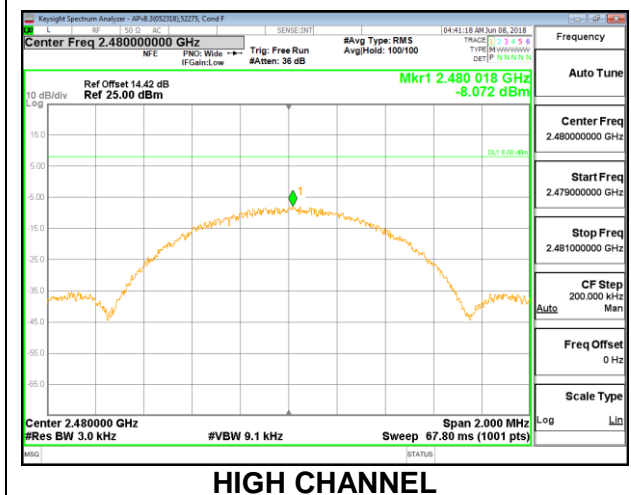
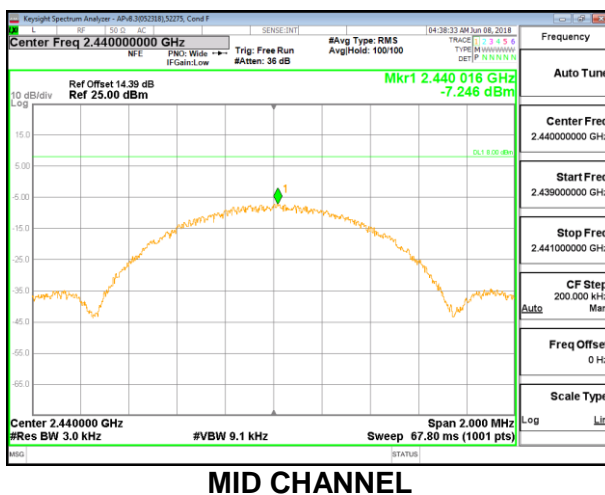
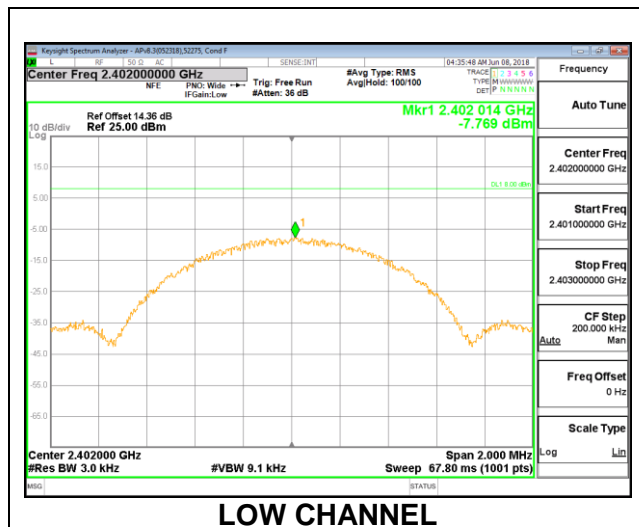
Channel	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Margin (dB)
Low	2402	2.52	8	-5.48
Middle	2440	3.54	8	-4.46
High	2480	2.74	8	-5.26



8.6.3. LOW POWER BLE (1Mbps)

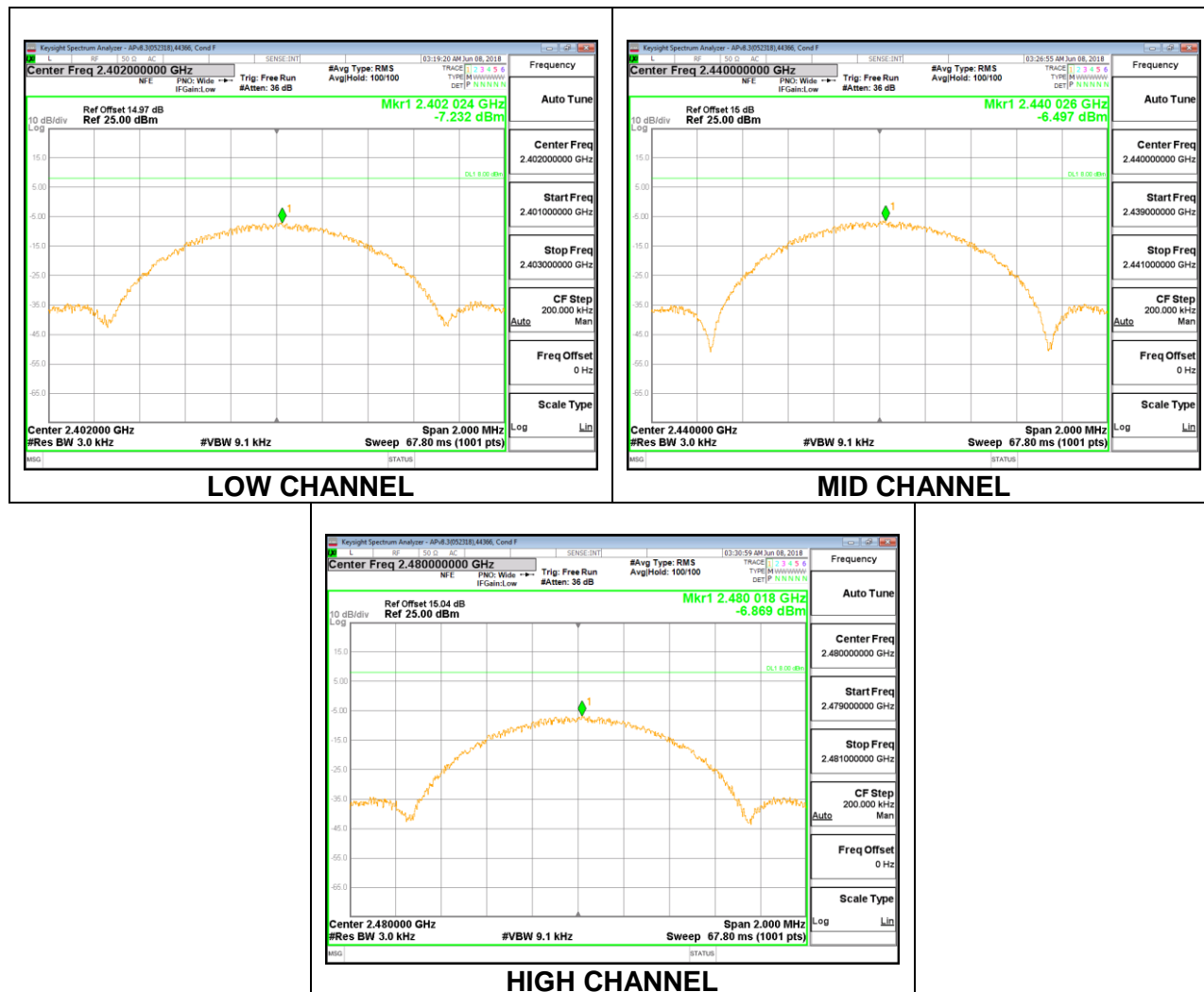
Antenna 2

Channel	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Margin (dB)
Low	2402	-7.77	8	-15.77
Middle	2440	-7.25	8	-15.25
High	2480	-8.07	8	-16.07



Antenna 5

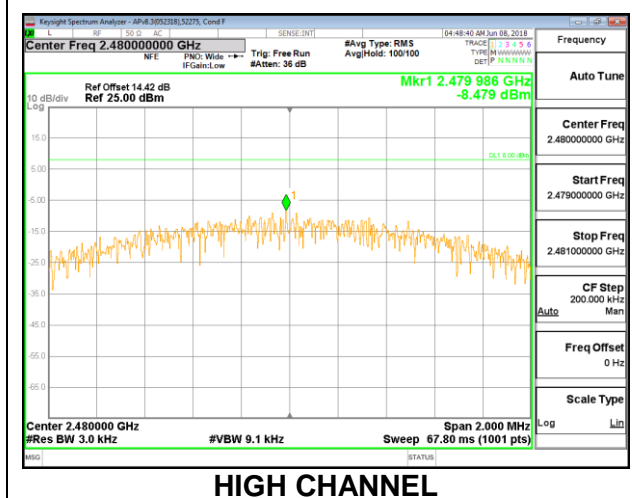
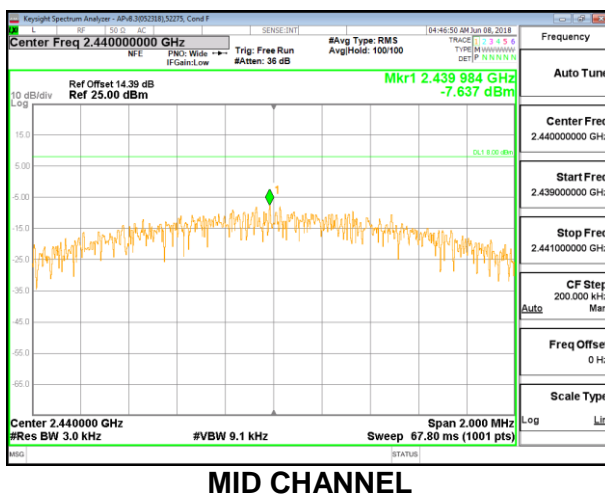
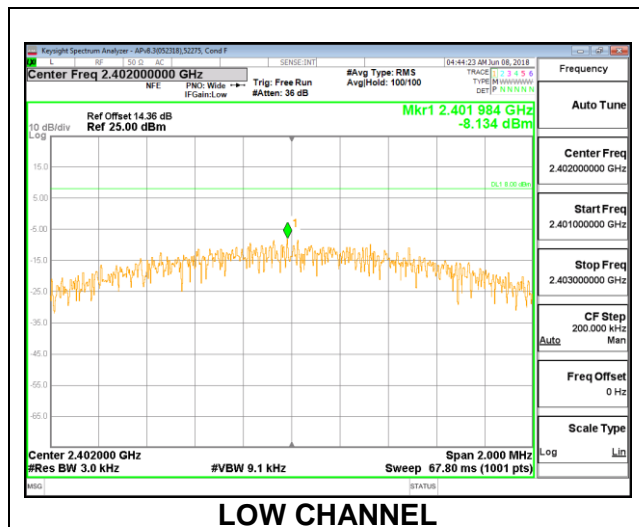
Channel	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Margin (dB)
Low	2402	-7.23	8	-15.23
Middle	2440	-6.50	8	-14.50
High	2480	-6.87	8	-14.87



8.6.4. LOW POWER BLE (2Mbps)

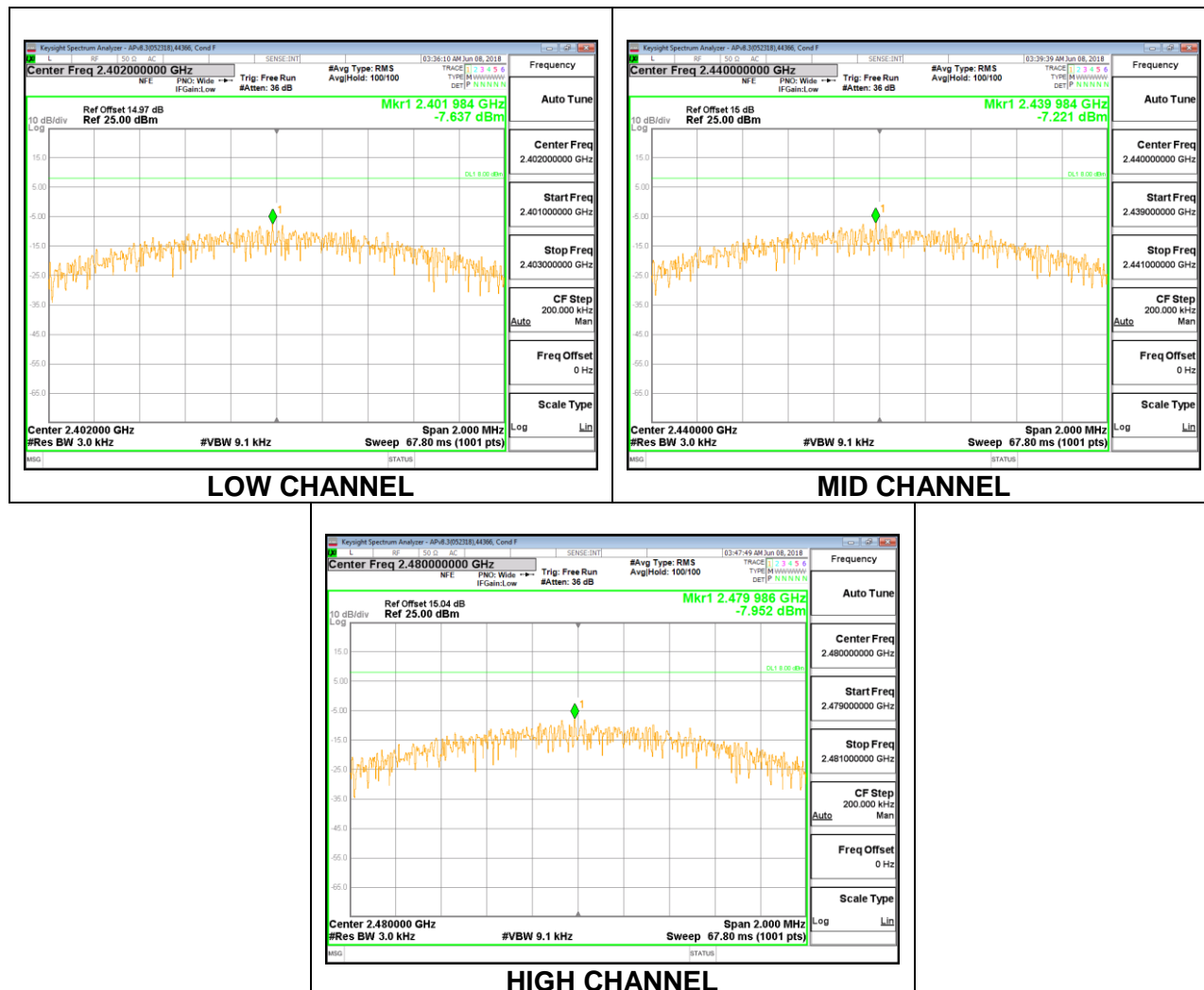
Antenna 2

Channel	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Margin (dB)
Low	2402	-8.13	8	-16.13
Middle	2440	-7.64	8	-15.64
High	2480	-8.48	8	-16.48



Antenna 5

Channel	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Margin (dB)
Low	2402	-7.64	8	-15.64
Middle	2440	-7.22	8	-15.22
High	2480	-7.95	8	-15.95



8.7. CONDUCTED SPURIOUS EMISSIONS

LIMITS

FCC §15.247 (d)

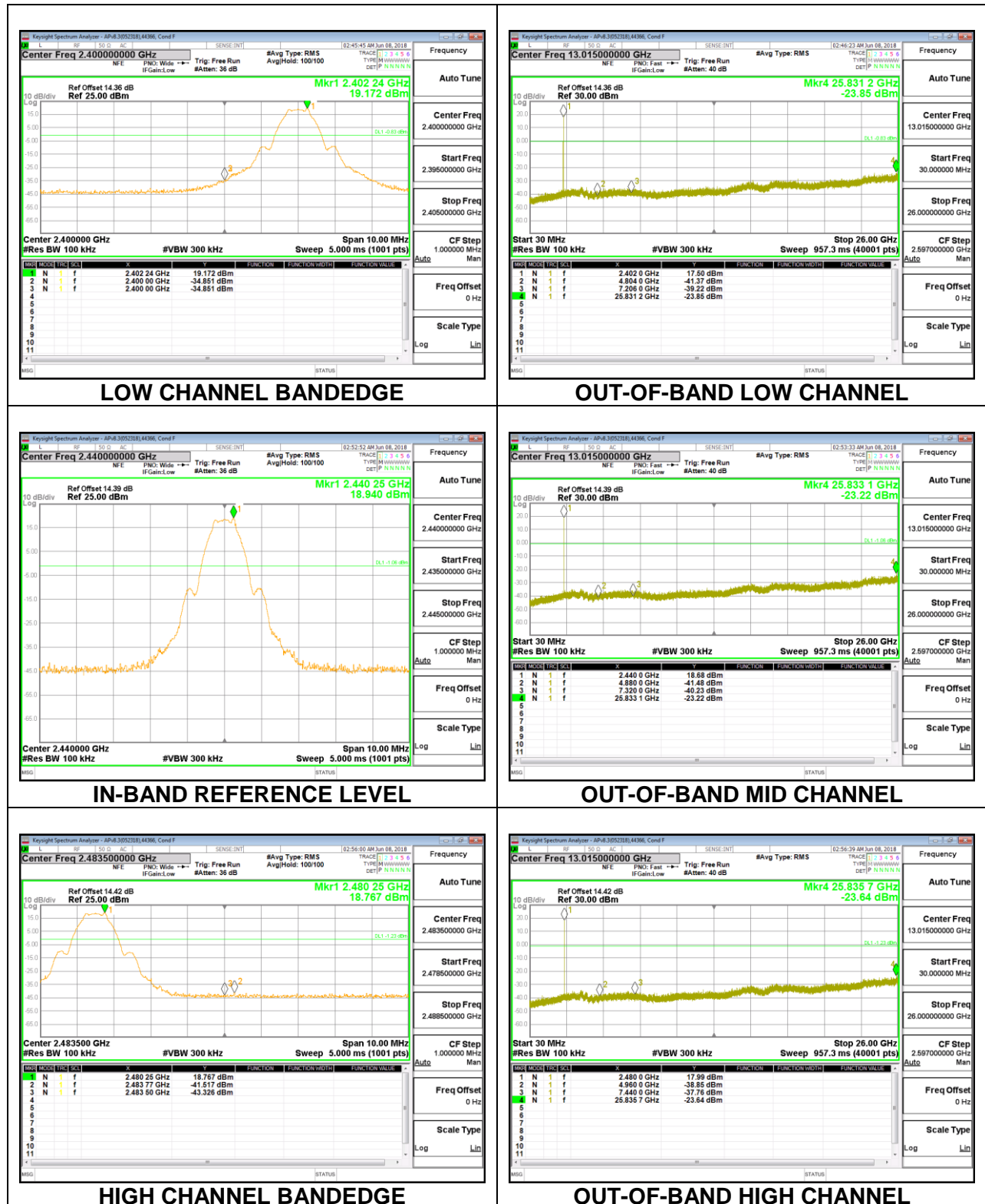
RSS-247 5.5

Output power was measured based on the use of a peak measurement, therefore the required attenuation is 20 dB.

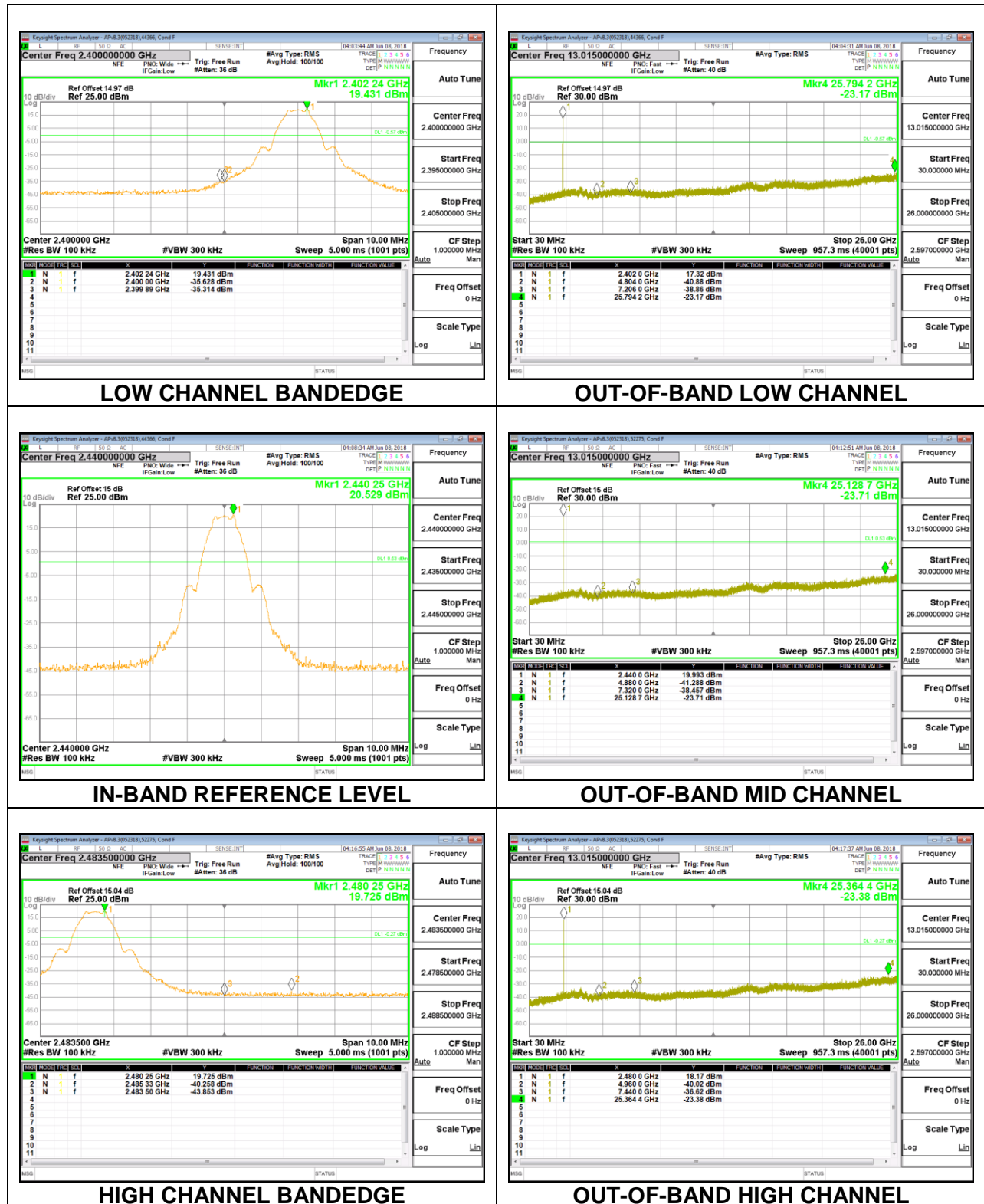
RESULTS

8.7.1. HIGH POWER BLE (1Mbps)

Antenna 2

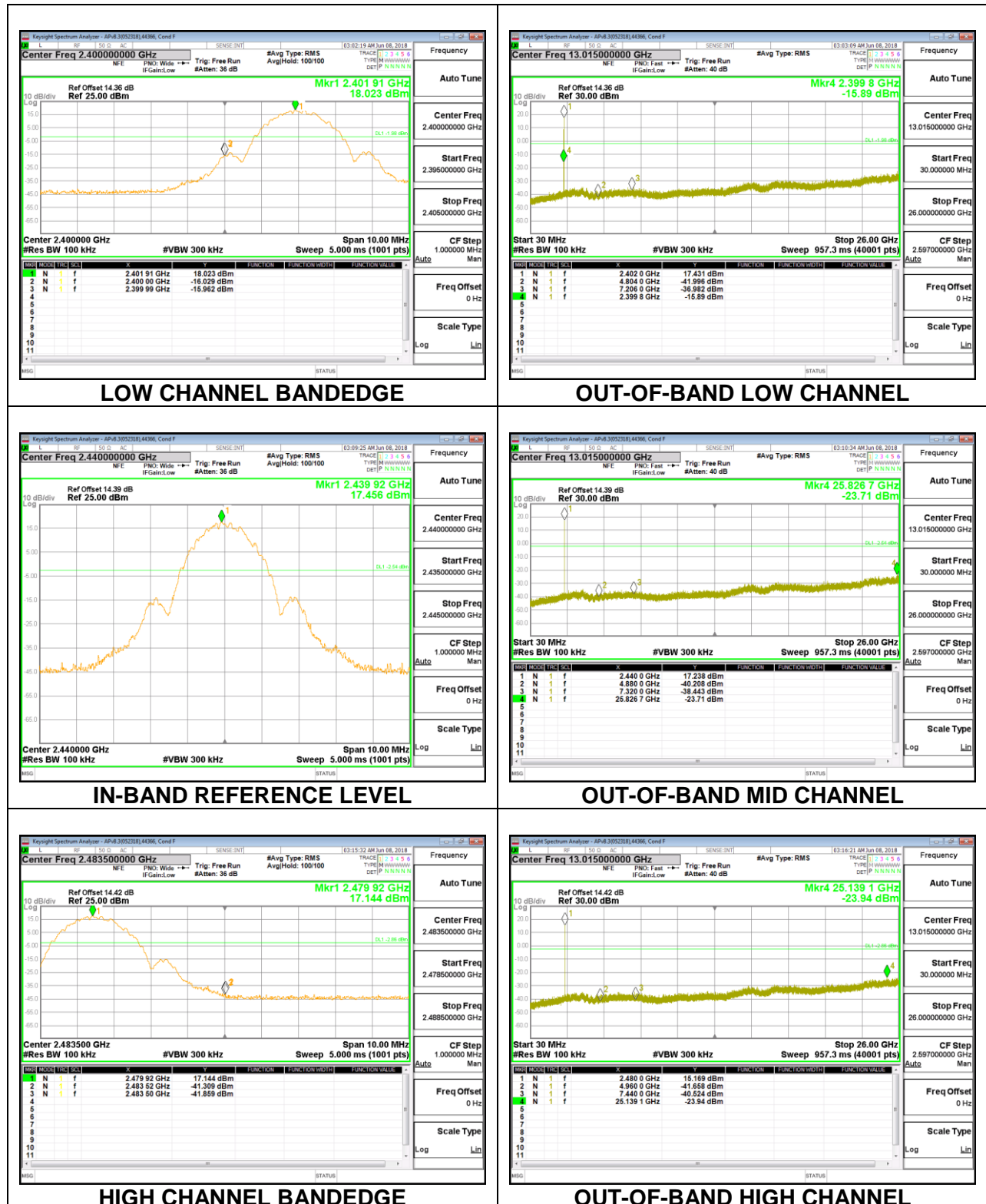


Antenna 5

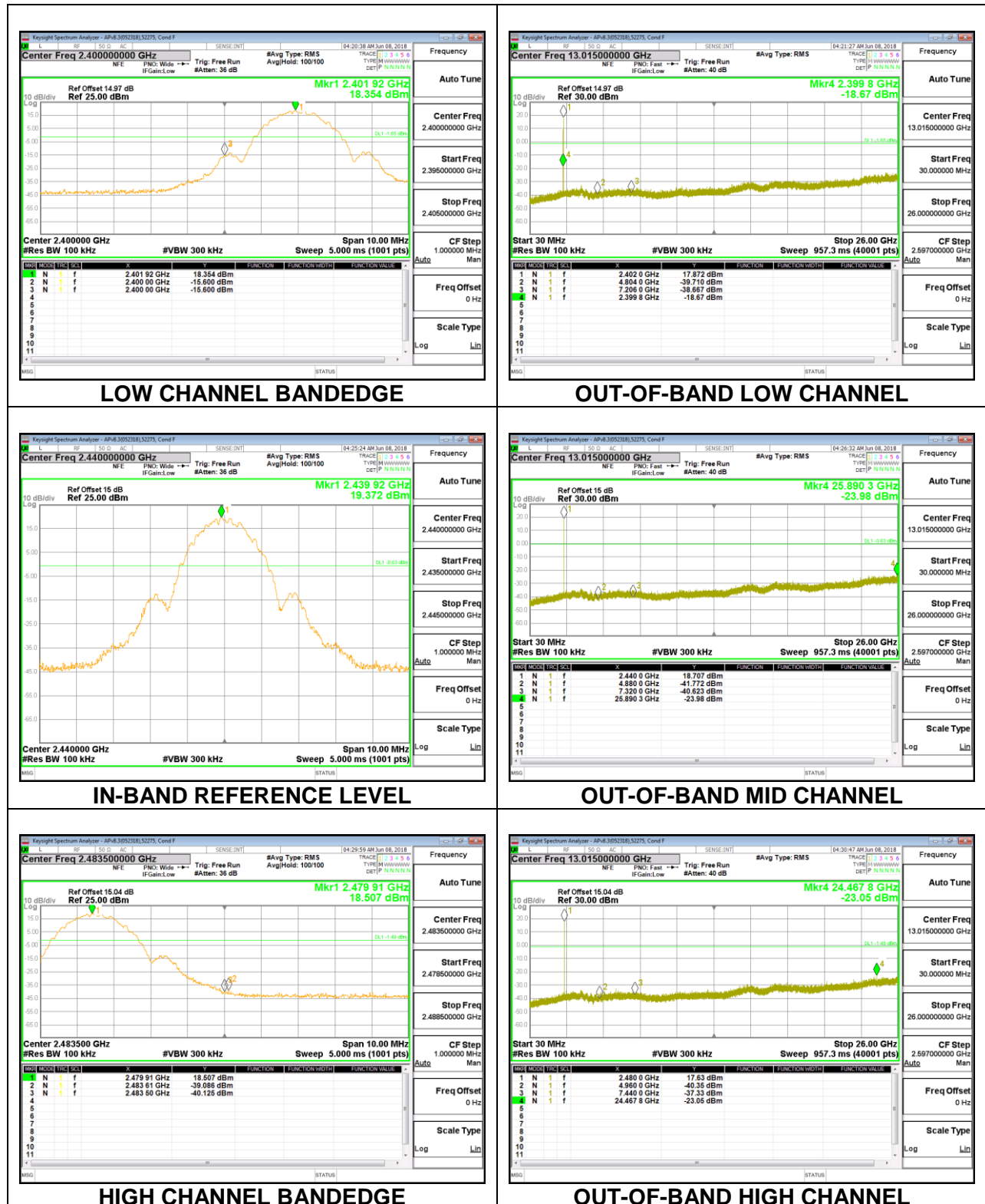


8.7.2. HIGH POWER BLE (2Mbps)

Antenna 2

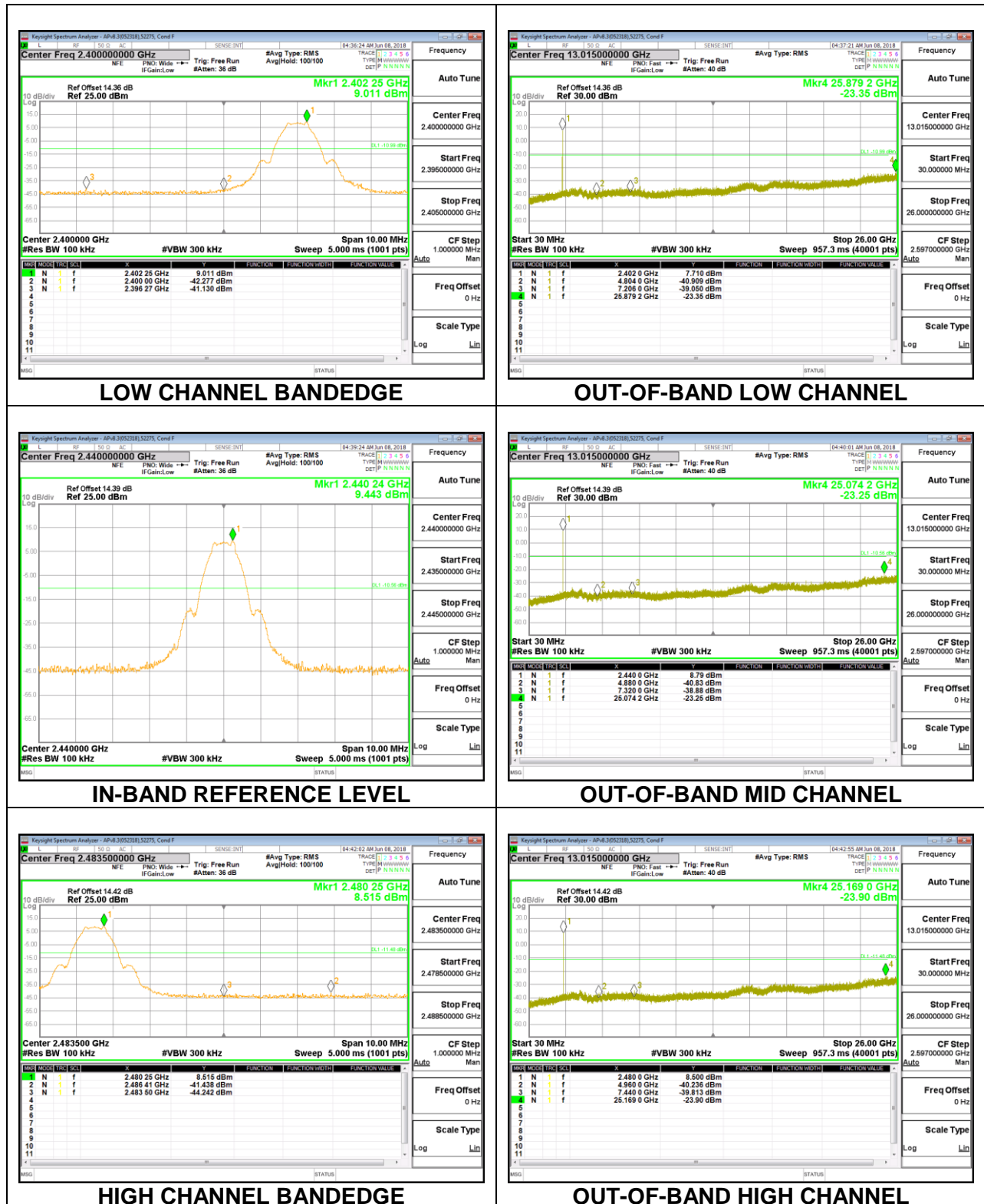


Antenna 5

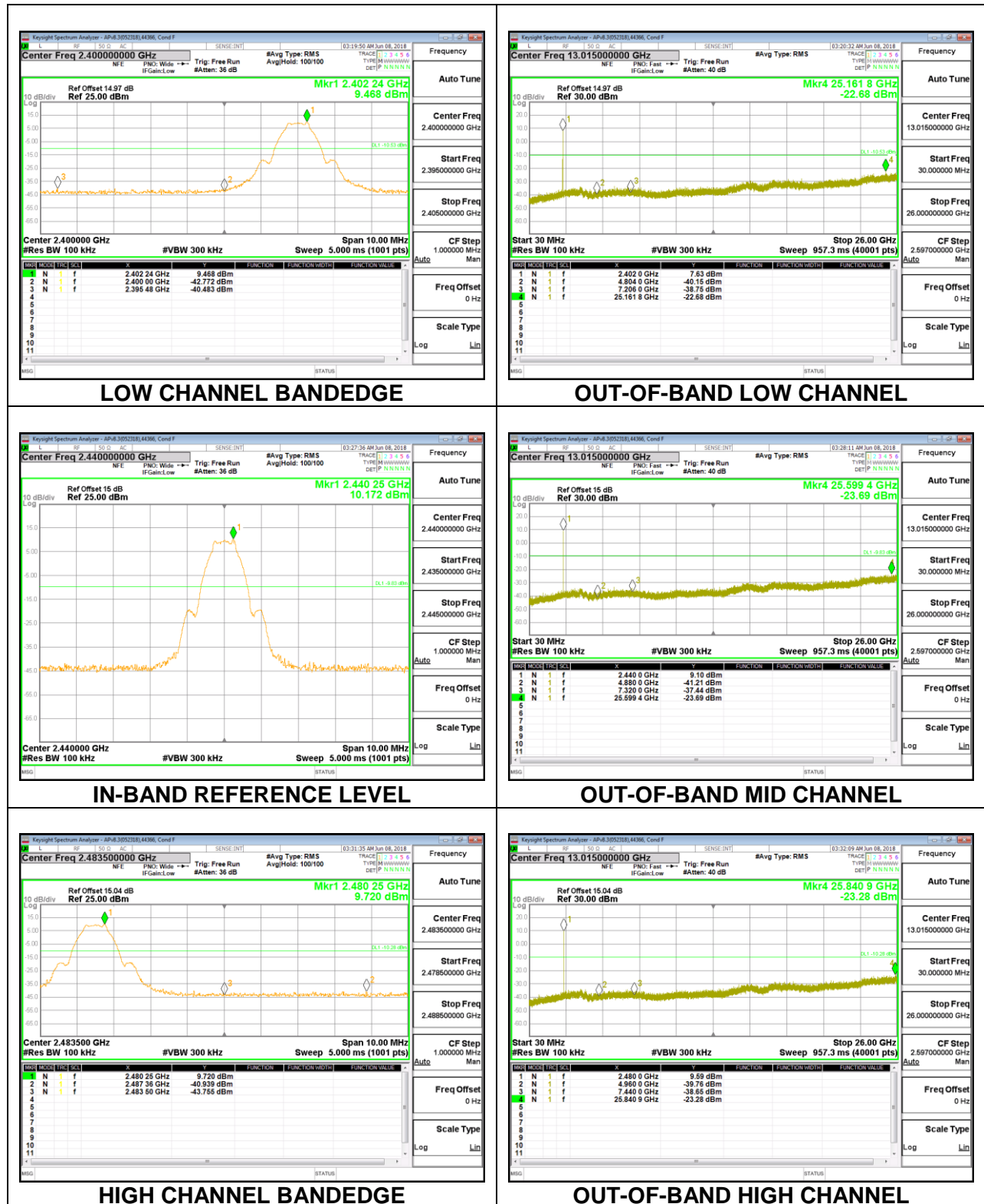


8.7.3. LOW POWER BLE (1Mbps)

Antenna 2

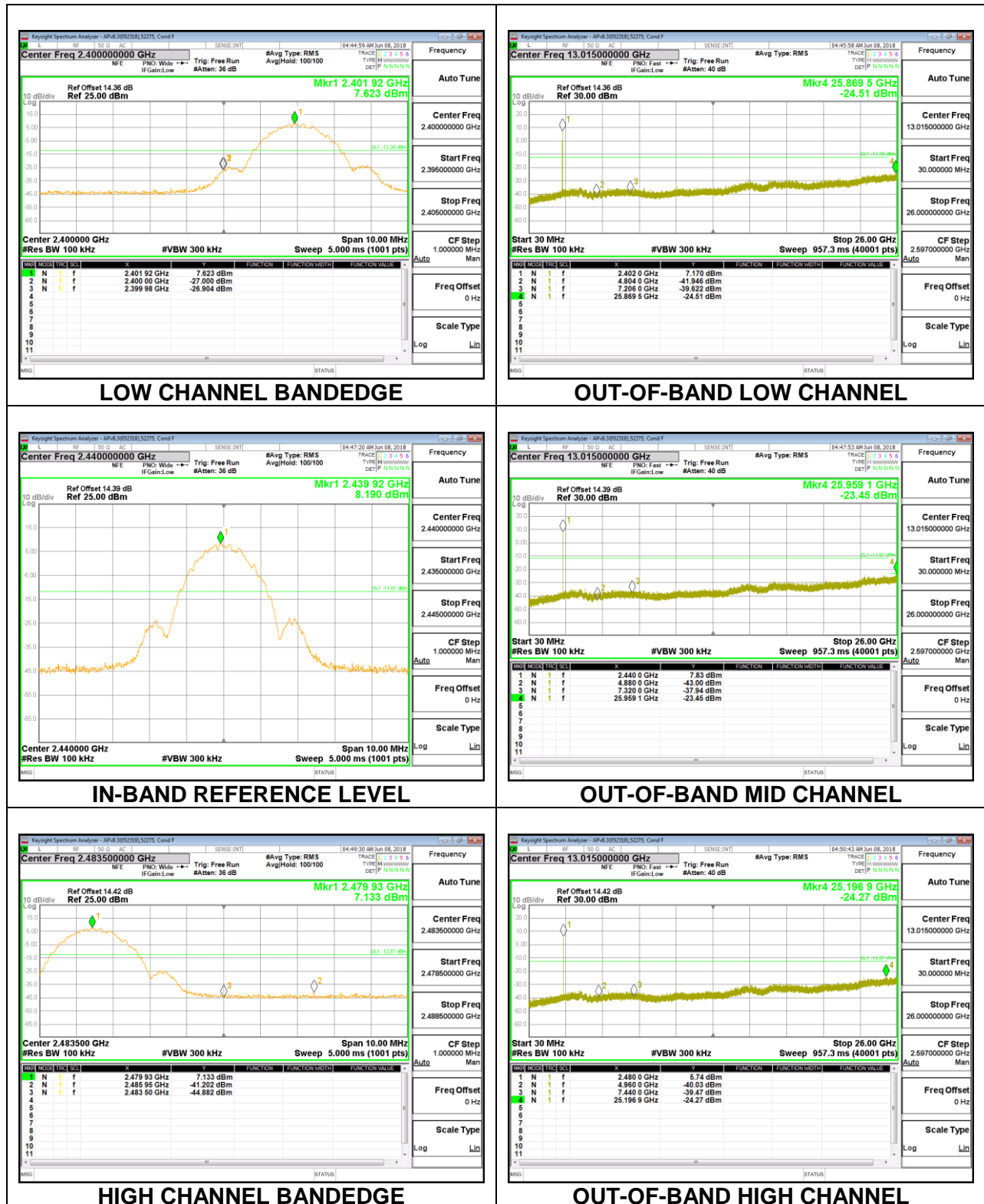


Antenna 5



8.7.4. LOW POWER BLE (2Mbps)

Antenna 2



Antenna 5

