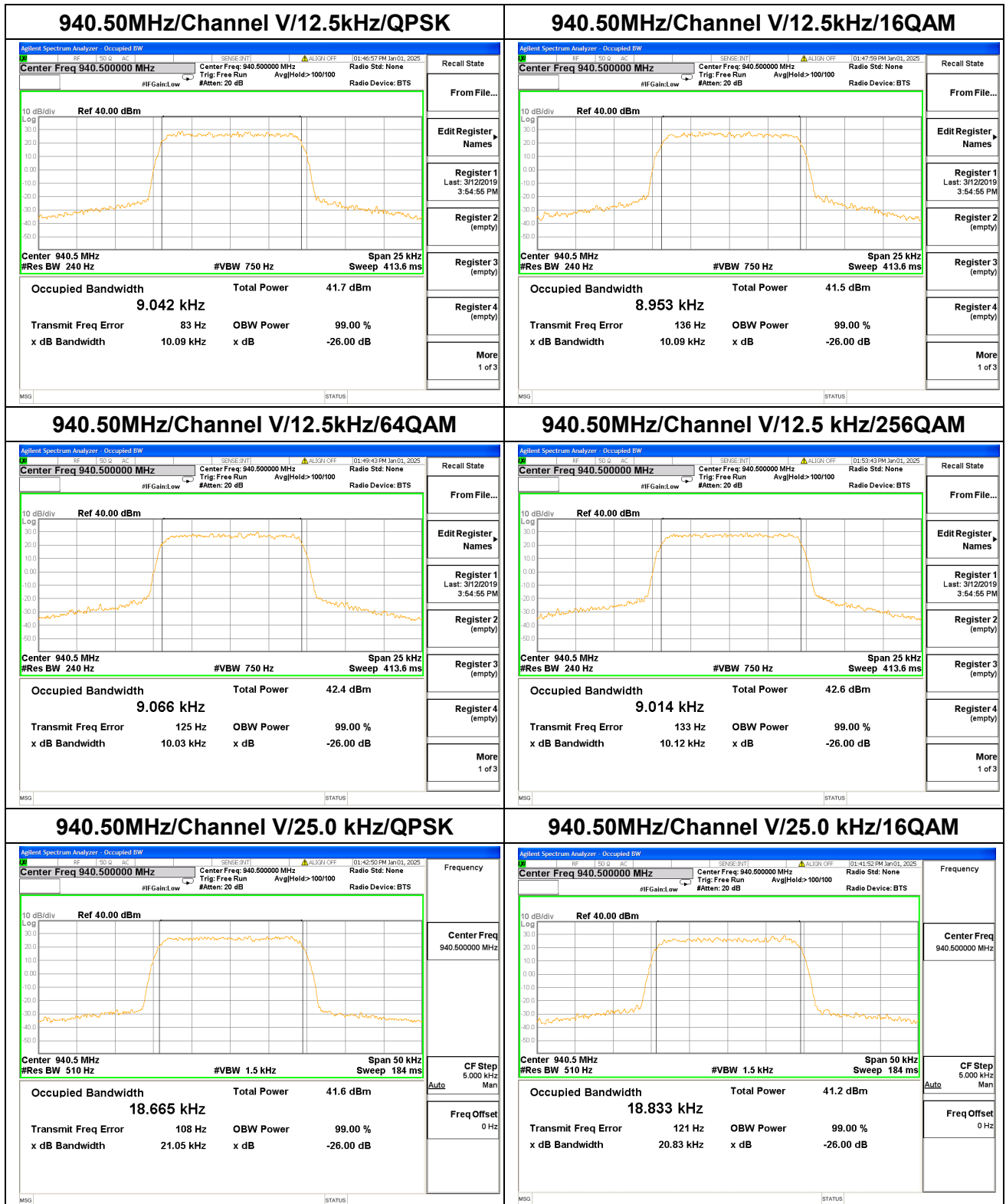
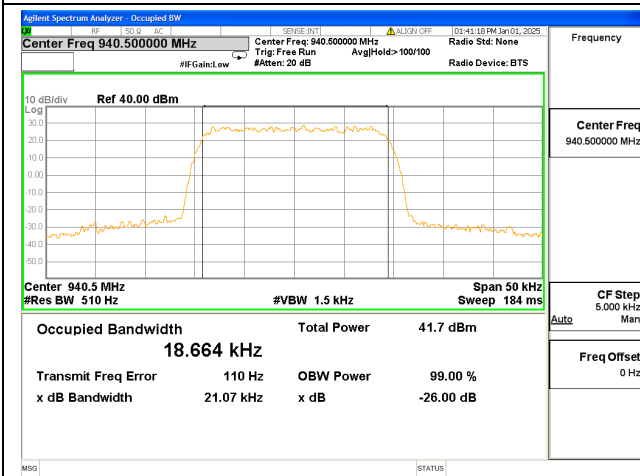
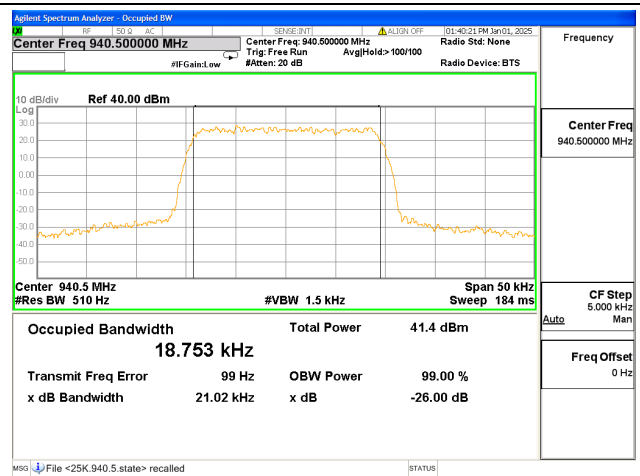
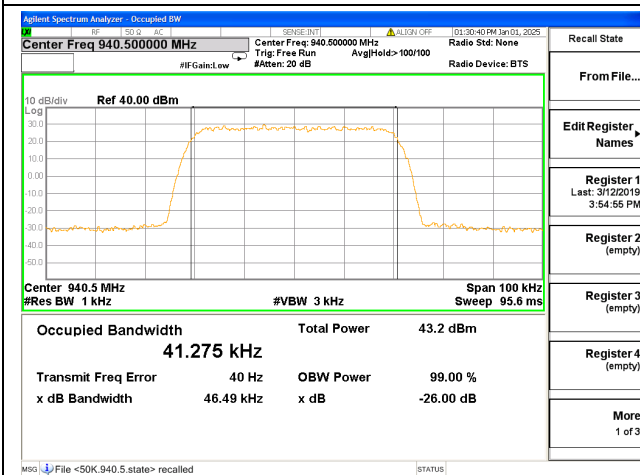
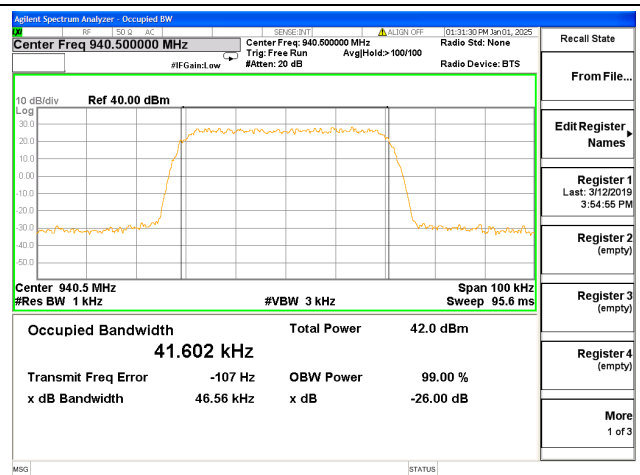
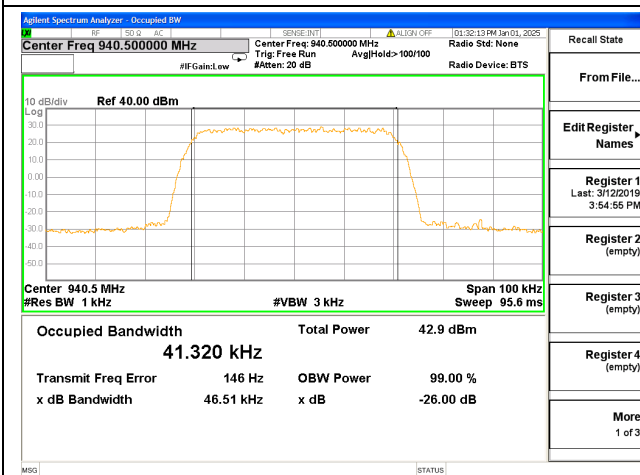
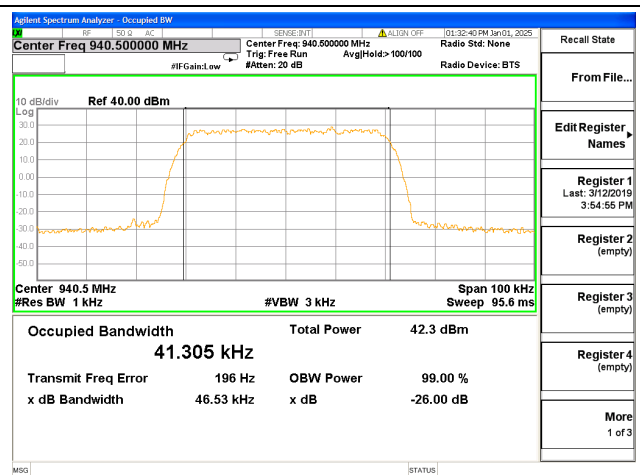
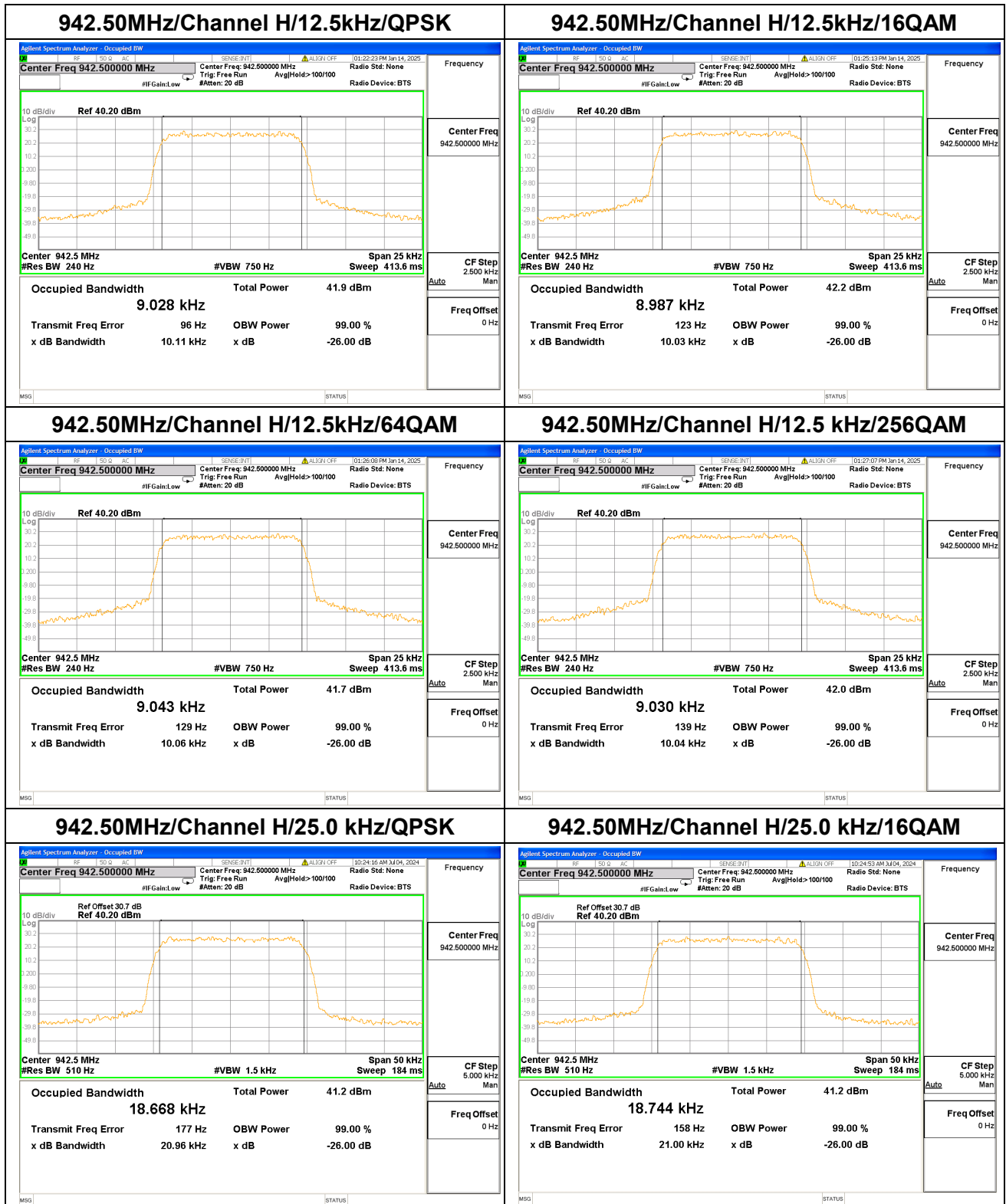


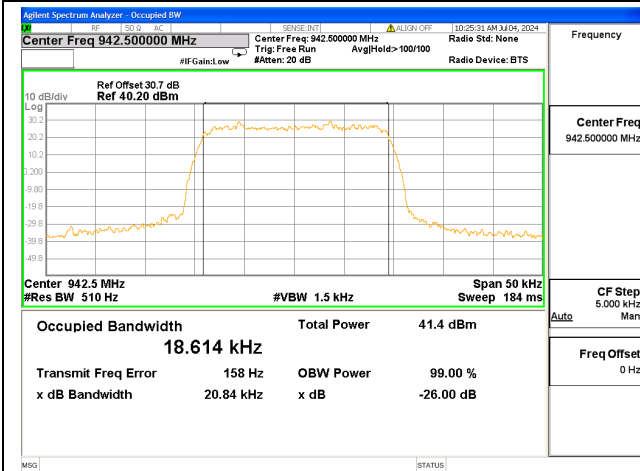
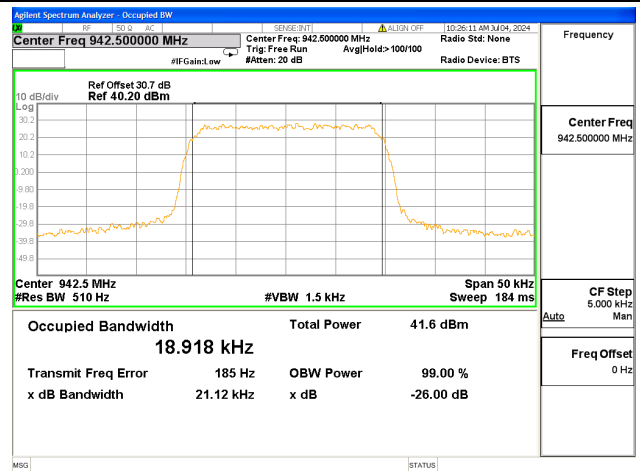
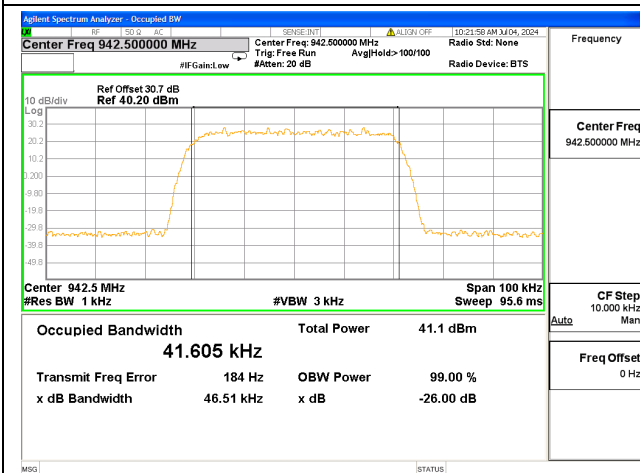
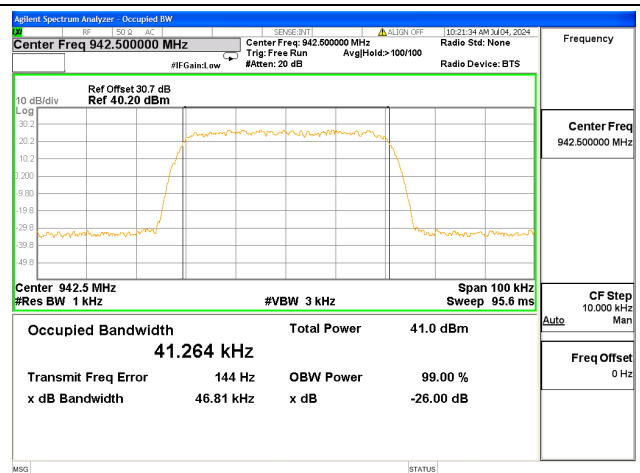
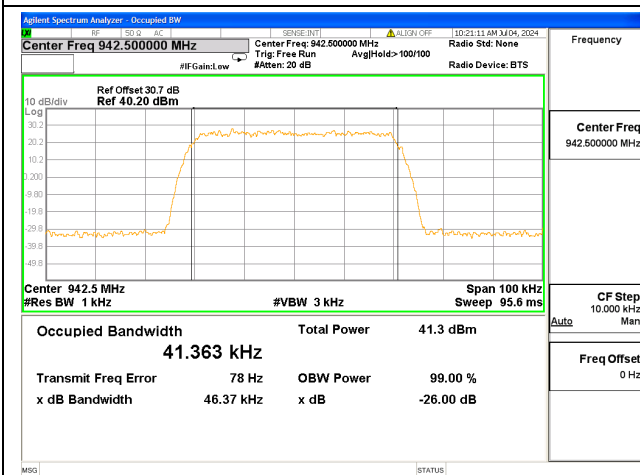
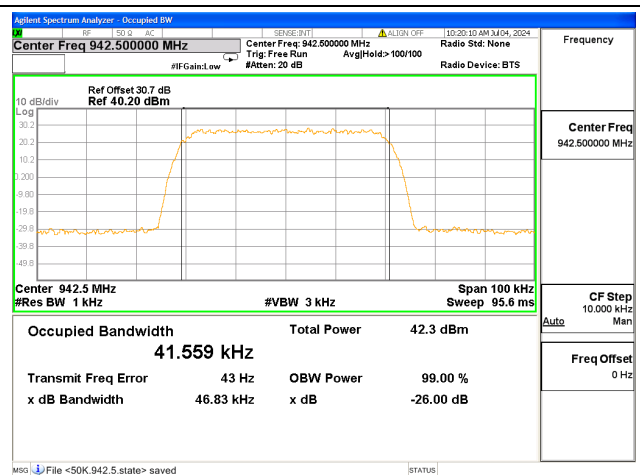


**940.50MHz/Channel V/25.0 kHz/64QAM****940.50MHz/Channel V/25.0 kHz/256QAM****940.50MHz/Channel V/50.0 kHz/QPSK****940.50MHz/Channel V/50.0 kHz/16QAM****940.50MHz/Channel V/50.0 kHz/64QAM****940.50MHz/Channel V/50.0 kHz/256QAM**



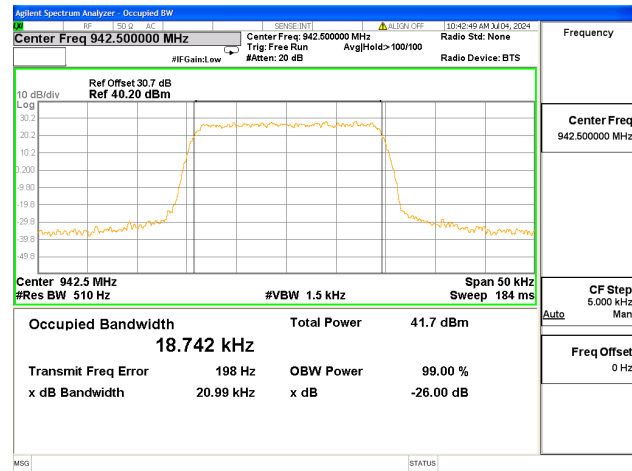
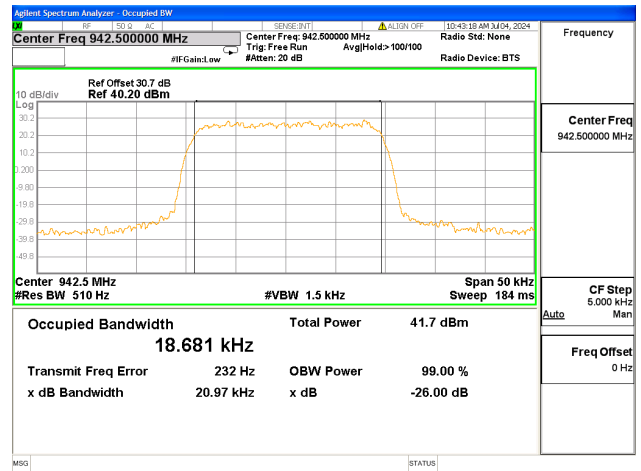
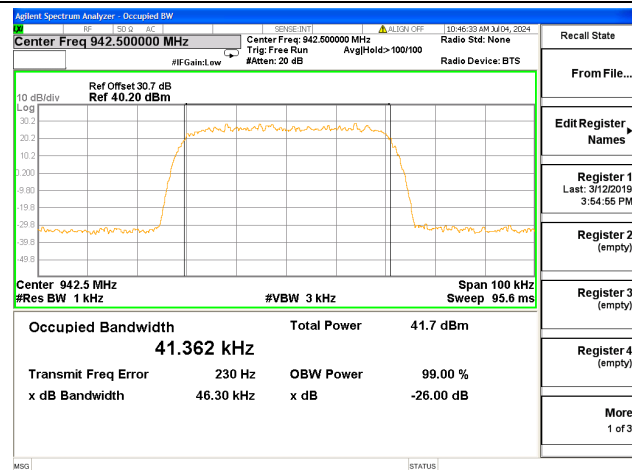
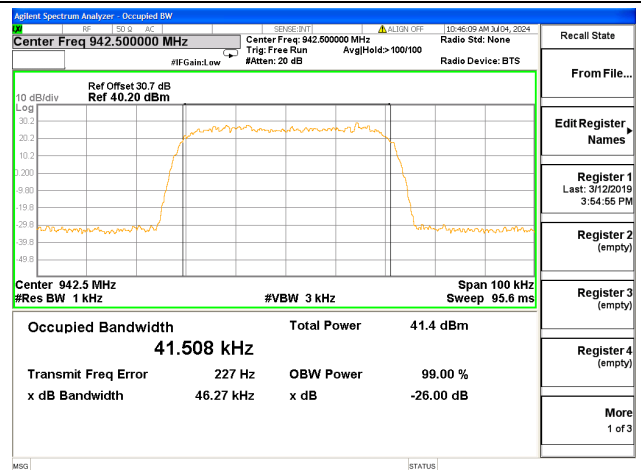
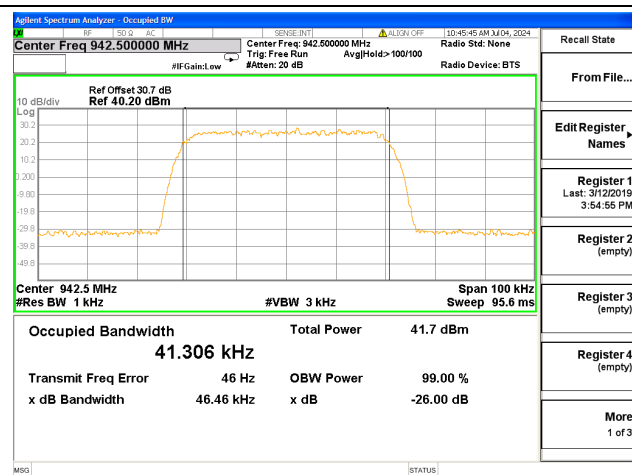
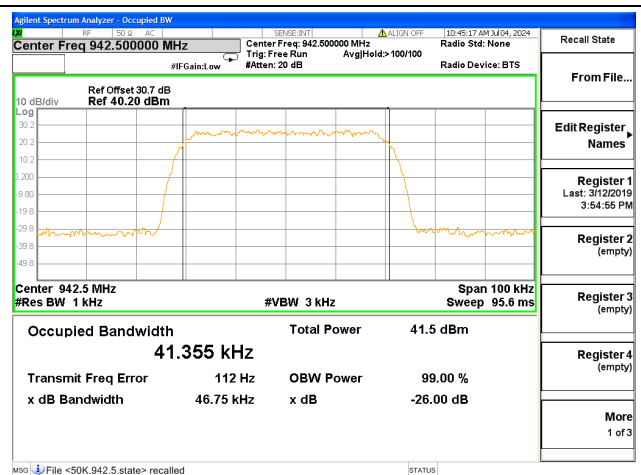
942.50 MHz			
Tx Port	Channel Bandwidth(kHz)	Emission Type	Occupied Bandwidth(kHz)
H	12.5	QPSK	9.028
		16QAM	8.987
		64QAM	9.043
		256QAM	9.030
	25.0	QPSK	18.668
		16QAM	18.744
		64QAM	18.614
		256QAM	18.918
	50.0	QPSK	41.605
		16QAM	41.264
		64QAM	41.363
		256QAM	41.559
V	12.5	QPSK	8.992
		16QAM	9.020
		64QAM	9.011
		256QAM	8.995
	25.0	QPSK	18.751
		16QAM	18.714
		64QAM	18.742
		256QAM	18.681
	50.0	QPSK	41.362
		16QAM	41.508
		64QAM	41.306
		256QAM	41.355



**942.50MHz/Channel H/25.0 kHz/64QAM****942.50MHz/Channel H/25.0 kHz/256QAM****942.50MHz/Channel H/50.0 kHz/QPSK****942.50MHz/Channel H/50.0 kHz/16QAM****942.50MHz/Channel H/50.0 kHz/64QAM****942.50MHz/Channel H/50.0 kHz/256QAM**

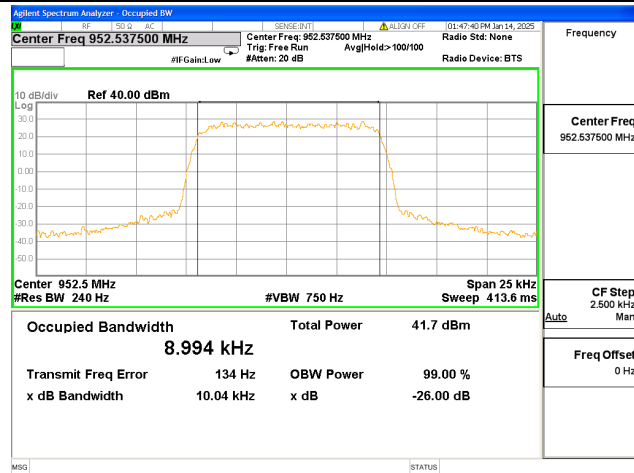
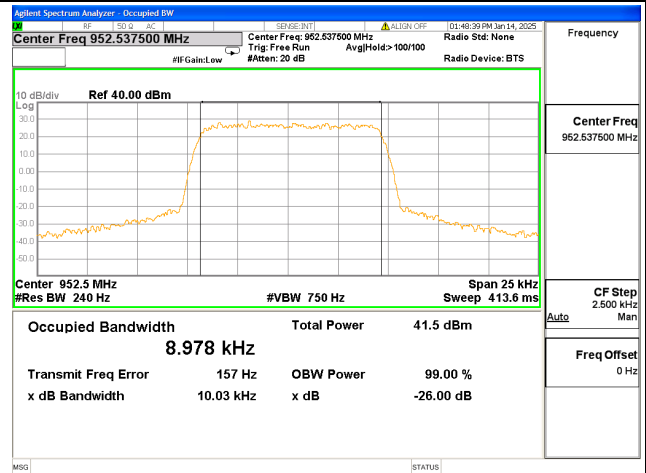
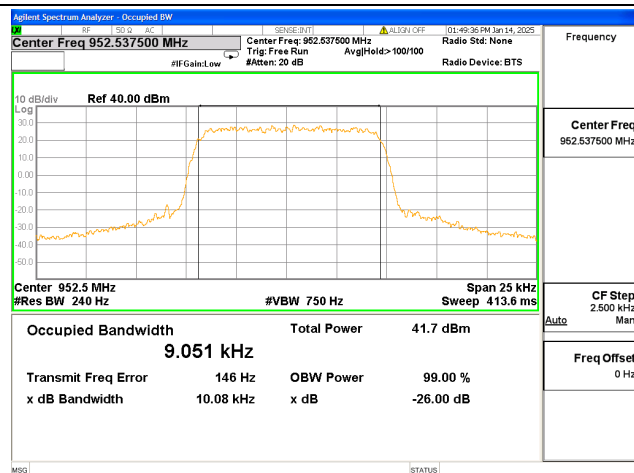
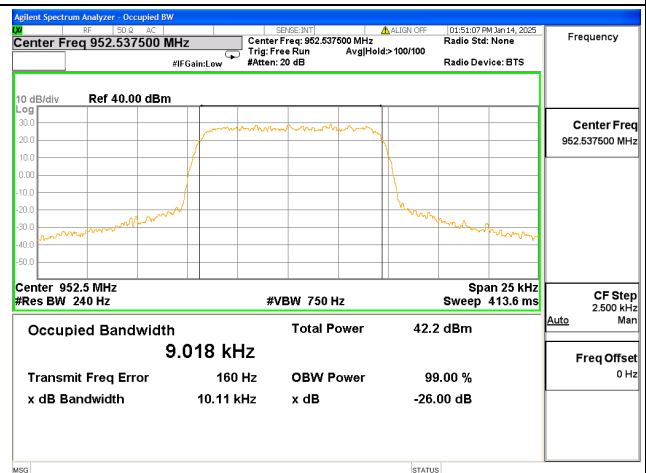
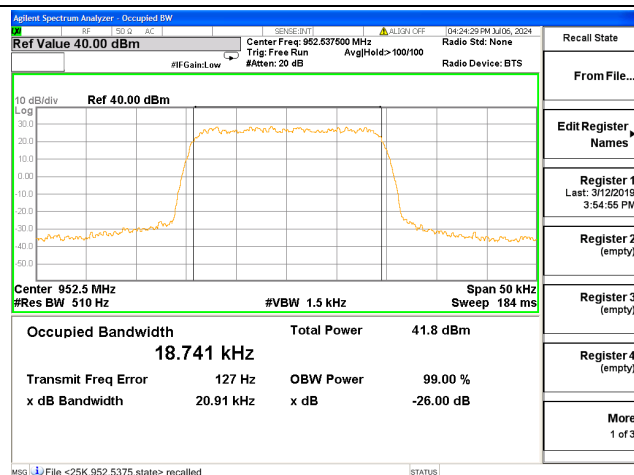
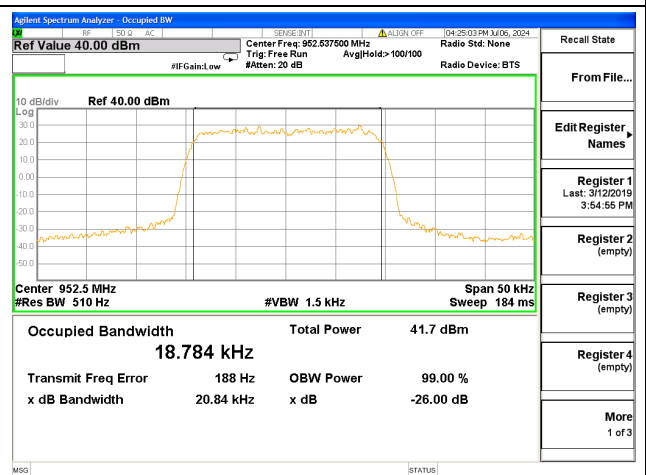


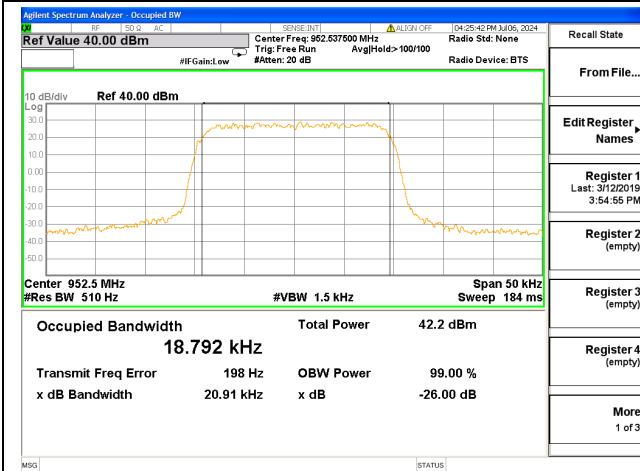
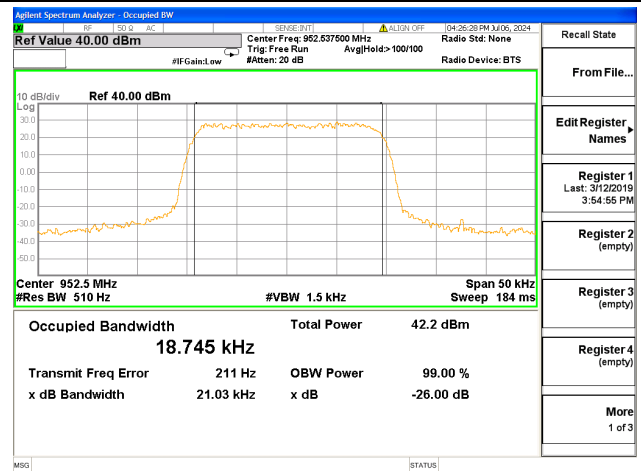
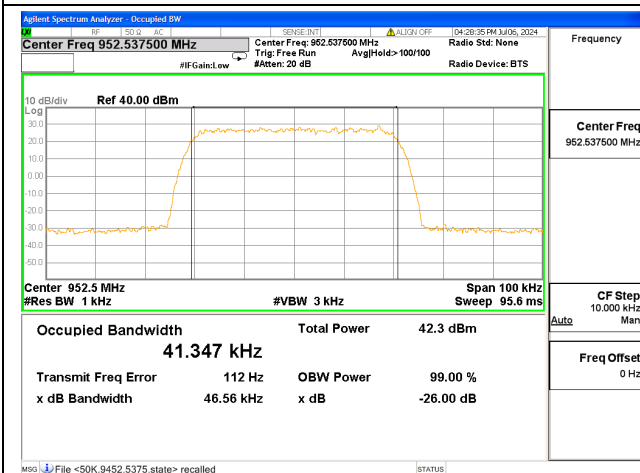
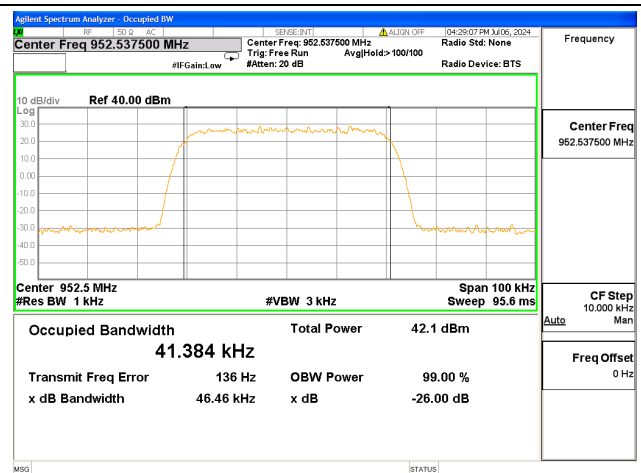
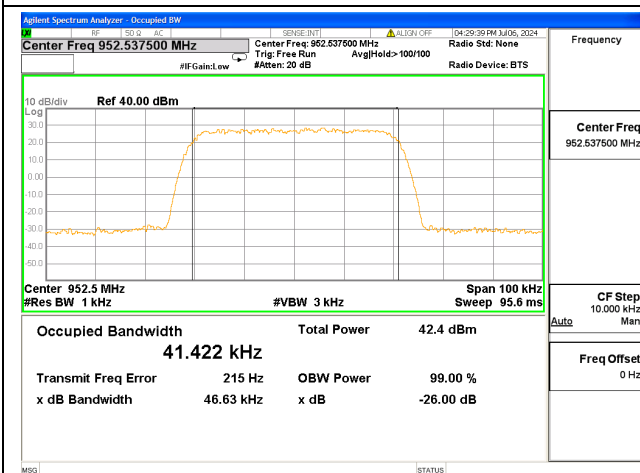
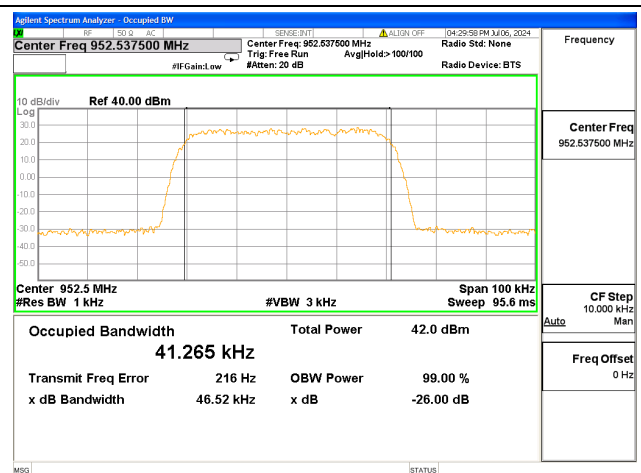
E-mail: service@morlab.cn

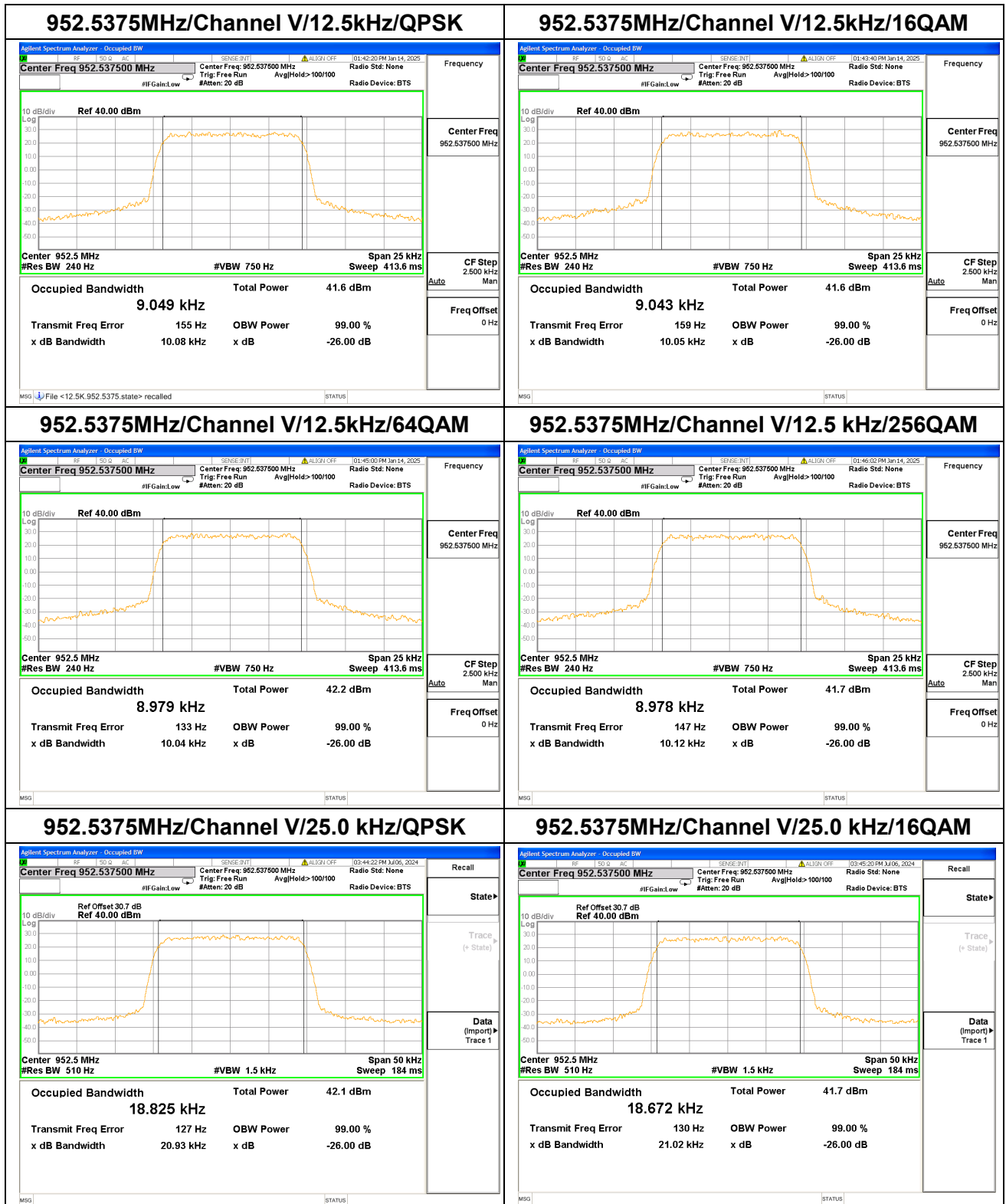
**942.50MHz/Channel V/25.0 kHz/64QAM****942.50MHz/Channel V/25.0 kHz/256QAM****942.50MHz/Channel V/50.0 kHz/QPSK****942.50MHz/Channel V/50.0 kHz/16QAM****942.50MHz/Channel V/50.0 kHz/64QAM****942.50MHz/Channel V/50.0 kHz/256QAM**

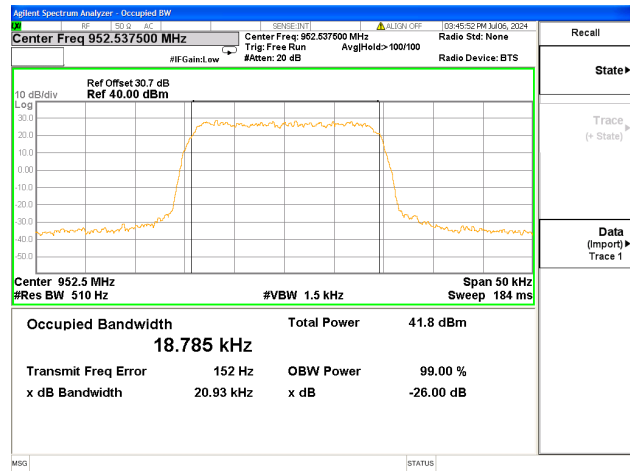
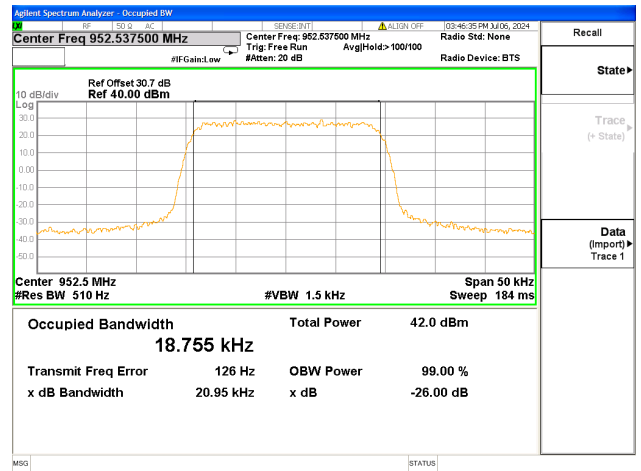
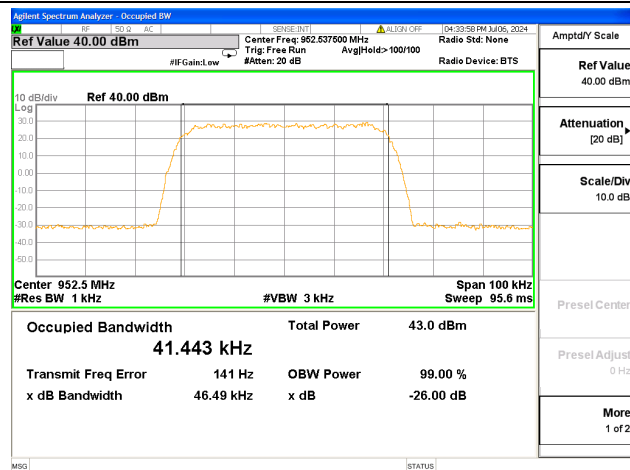
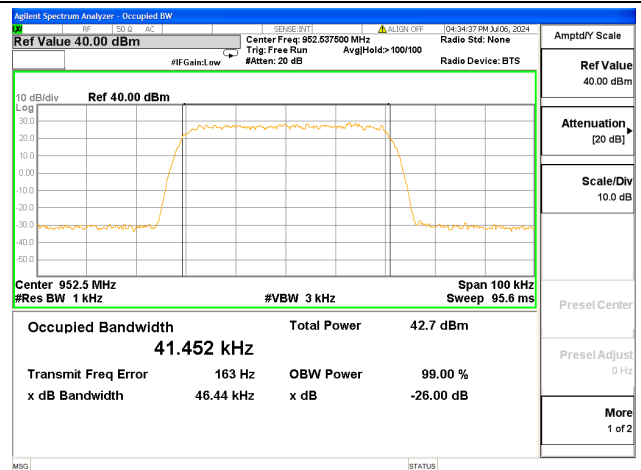
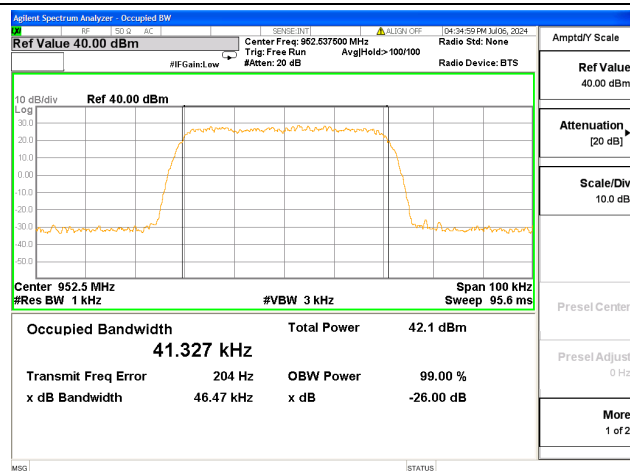
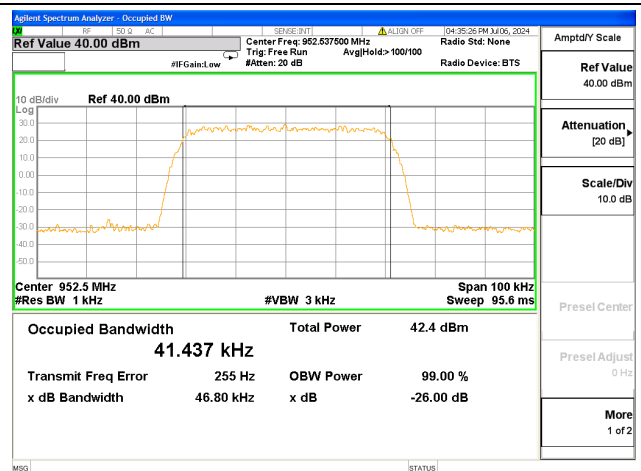


952.5375 MHz			
Tx Port	Channel Bandwidth(kHz)	Emission Type	Occupied Bandwidth(kHz)
H	12.5	QPSK	8.994
		16QAM	8.978
		64QAM	9.051
		256QAM	9.018
	25.0	QPSK	18.741
		16QAM	18.784
		64QAM	18.792
		256QAM	18.745
	50.0	QPSK	41.347
		16QAM	41.384
		64QAM	41.422
		256QAM	41.265
V	12.5	QPSK	9.049
		16QAM	9.043
		64QAM	8.979
		256QAM	8.978
	25.0	QPSK	18.825
		16QAM	18.672
		64QAM	18.785
		256QAM	18.755
	50.0	QPSK	41.443
		16QAM	41.452
		64QAM	41.327
		256QAM	41.437

**952.5375MHz/Channel H/12.5kHz/QPSK****952.5375MHz/Channel H/12.5kHz/16QAM****952.5375MHz/Channel H/12.5kHz/64QAM****952.5375MHz/Channel H/12.5 kHz/256QAM****952.5375MHz/Channel H/25.0 kHz/QPSK****952.5375MHz/Channel H/25.0 kHz/16QAM**

**952.5375MHz/Channel H/25.0 kHz/64QAM****952.5375MHz/Channel H/25.0 kHz/256QAM****952.5375MHz/Channel H/50.0 kHz/QPSK****952.5375MHz/Channel H/50.0 kHz/16QAM****952.5375MHz/Channel H/50.0 kHz/64QAM****952.5375MHz/Channel H/50.0 kHz/256QAM**



**952.5375MHz/Channel V/25.0 kHz/64QAM****952.5375MHz/Channel V/25.0 kHz/256QAM****952.5375MHz/Channel V/50.0 kHz/QPSK****952.5375MHz/Channel V/50.0 kHz/16QAM****952.5375MHz/Channel V/50.0 kHz/64QAM****952.5375MHz/Channel V/50.0 kHz/256QAM**

2.3. Spurious Emissions At Antenna Terminals

2.3.1. Test Requirement

According to FCC section 2.1051, 24.131 and 24.133(a) section

The authorized bandwidth of narrowband PCS channels will be 10 kHz for 12.5 kHz channels and 45 kHz for 50 kHz channels. For aggregated adjacent channels, a maximum authorized bandwidth of 5 kHz less than the total aggregated channel width is permitted.

For transmitters authorized a bandwidth greater than 10 kHz:

1. On any frequency outside the authorized bandwidth and removed from the edge of the authorized bandwidth by a displacement frequency (f_d in kHz) of up to and including 40 kHz: at least $116 \log_{10} ((f_d + 10)/6.1)$ decibels or $50 + 10 \log_{10} (P)$ decibels or 70 decibels, whichever is the lesser attenuation;
2. On any frequency outside the authorized bandwidth and removed from the edge of the authorized bandwidth by a displacement frequency (f_d in kHz) of more than 40 kHz: at least $43 + 10 \log_{10} (P)$ decibels or 80 decibels, whichever is the lesser attenuation;

For transmitters authorized a bandwidth of 10 kHz:

1. On any frequency outside the authorized bandwidth and removed from the edge of the authorized bandwidth by a displacement frequency (f_d in kHz) of up to and including 20 kHz: at least $116 \times \log_{10} ((f_d + 5)/3.05)$ decibels or $50 + 10 \times \log_{10} (P)$ decibels or 70 decibels, whichever is the lesser attenuation;
2. On any frequency outside the authorized bandwidth and removed from the edge of the authorized bandwidth by a displacement frequency (f_d in kHz) of more than 20 kHz: at least $43 + 10 \log_{10} (P)$ decibels or 80 decibels, whichever is the lesser attenuation.

According to FCC section 2.1051, 101.111 section

When using transmissions employing digital modulation techniques on the 900 MHz multiple address frequencies with a 12.5 KHz bandwidth, the power of any emission must be attenuated below the unmodulated carrier power of the transmitter (P) in accordance with the following schedule:

- (i) On any frequency removed from the center of the authorized bandwidth by a displacement frequency (f_d in KHz) of more than 2.5 KHz up to and including 6.25 KHz: At least $53 \log_{10} (f_d/2.5)$ decibels;
- (ii) On any frequency removed from the center of the authorized bandwidth by a displacement frequency (f_d in KHz) of more than 6.25 KHz up to and including 9.5 KHz: At least $103 \log_{10} (f_d/3.9)$ decibels;
- (iii) On any frequency removed from the center of the authorized bandwidth by a displacement frequency (f_d in KHz) of more than 9.5 KHz up to and including 15 KHz: At least $157 \log_{10} (f_d/5.3)$ decibels; and



- (iv) On any frequency removed from the center of the authorized bandwidth by a displacement frequency greater than 15 KHz: At least 50 plus $10 \log_{10}(P)$ or 70 decibels, whichever is the lesser attenuation.

When using transmissions employing digital modulation techniques on the 900 MHz multiple address frequencies with a bandwidth greater than 12.5 KHz, the power of any emission must be attenuated below the unmodulated carrier power of the transmitter (P) in accordance with the following schedule:

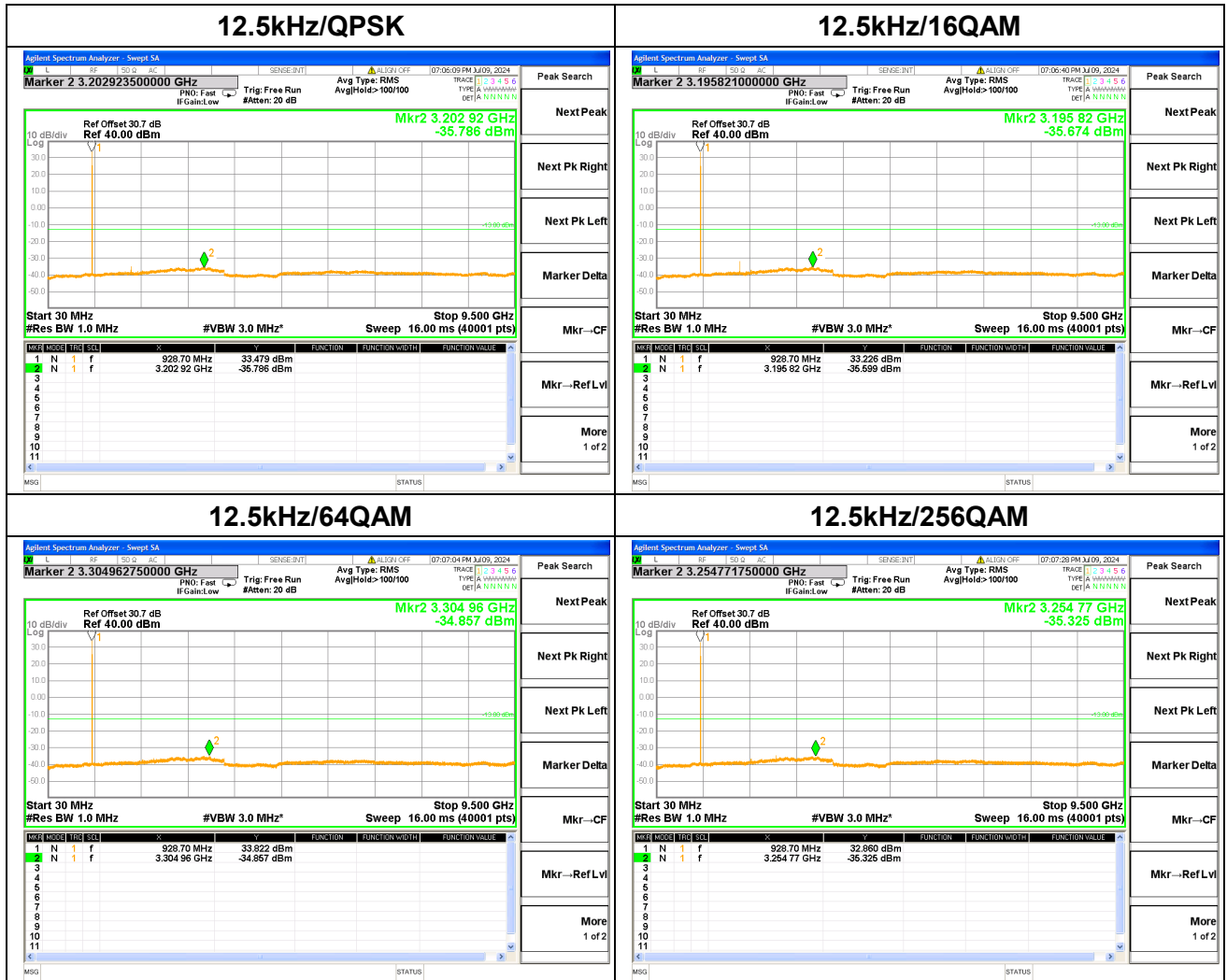
- (i) On any frequency removed from the center of the authorized bandwidth by a displacement frequency (f_d in KHz) of more than 5 KHz up to and including 10 KHz: At least $83 \log_{10} (f_d/5)$ decibels;
- (ii) On any frequency removed from the center of the authorized bandwidth by a displacement frequency (f_d in KHz) of more than 10 KHz up to and including 250 percent of the authorized bandwidth: At least $116 \log_{10} (f_d/6.1)$ decibels or 50 plus $10 \log_{10} (P)$ or 70 decibels, whichever is the lesser attenuation; and

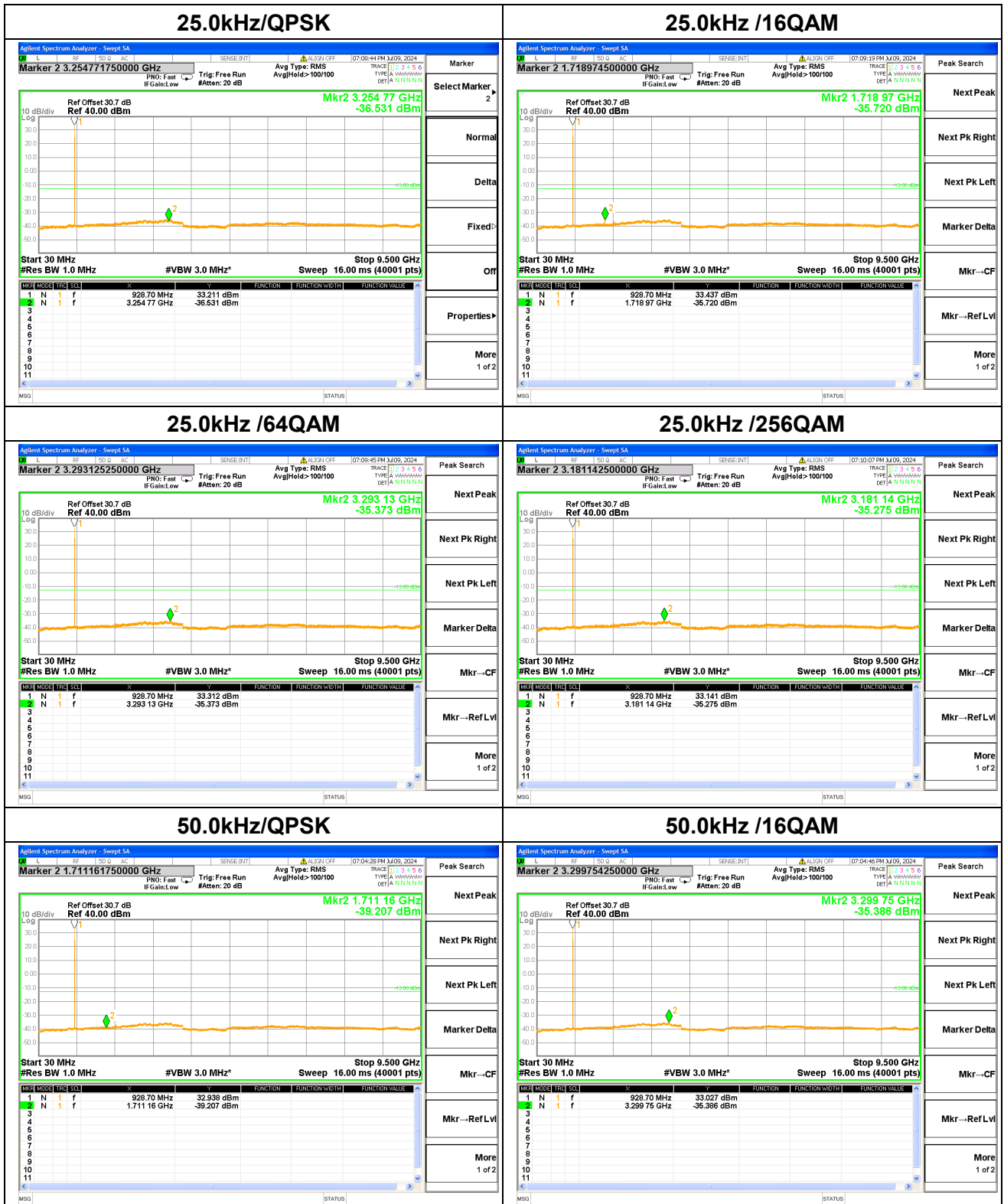
On any frequency removed from the center of the authorized bandwidth by more than 250 percent of the authorized bandwidth: At least 43 plus $10 \log_{10} (\text{output power in watts})$ decibels or 80 decibels, whichever is the lesser attenuation

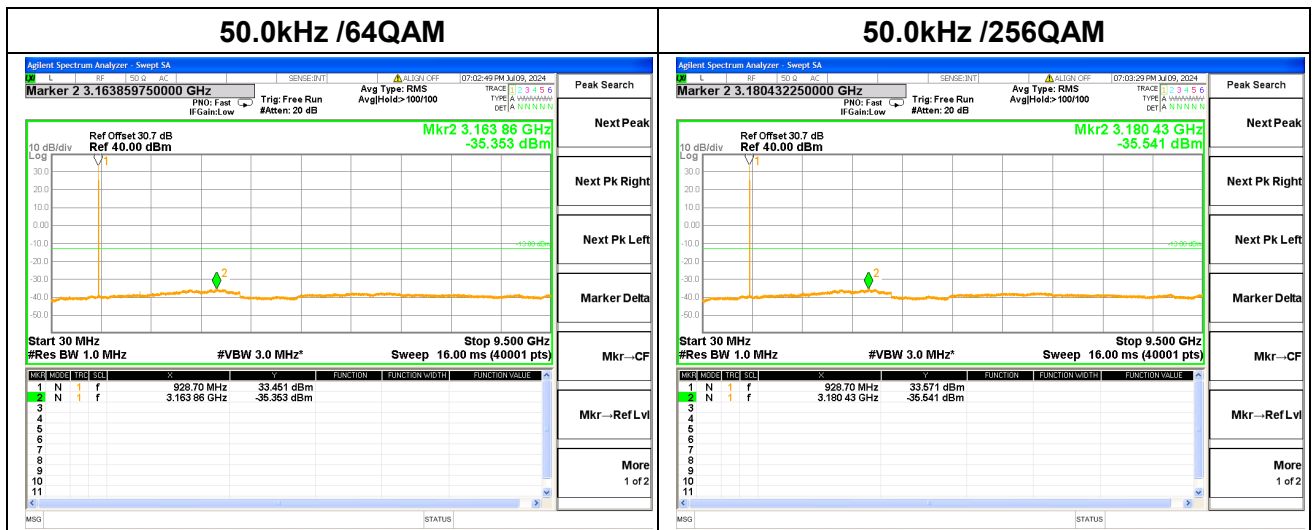


2.3.2. Test Result

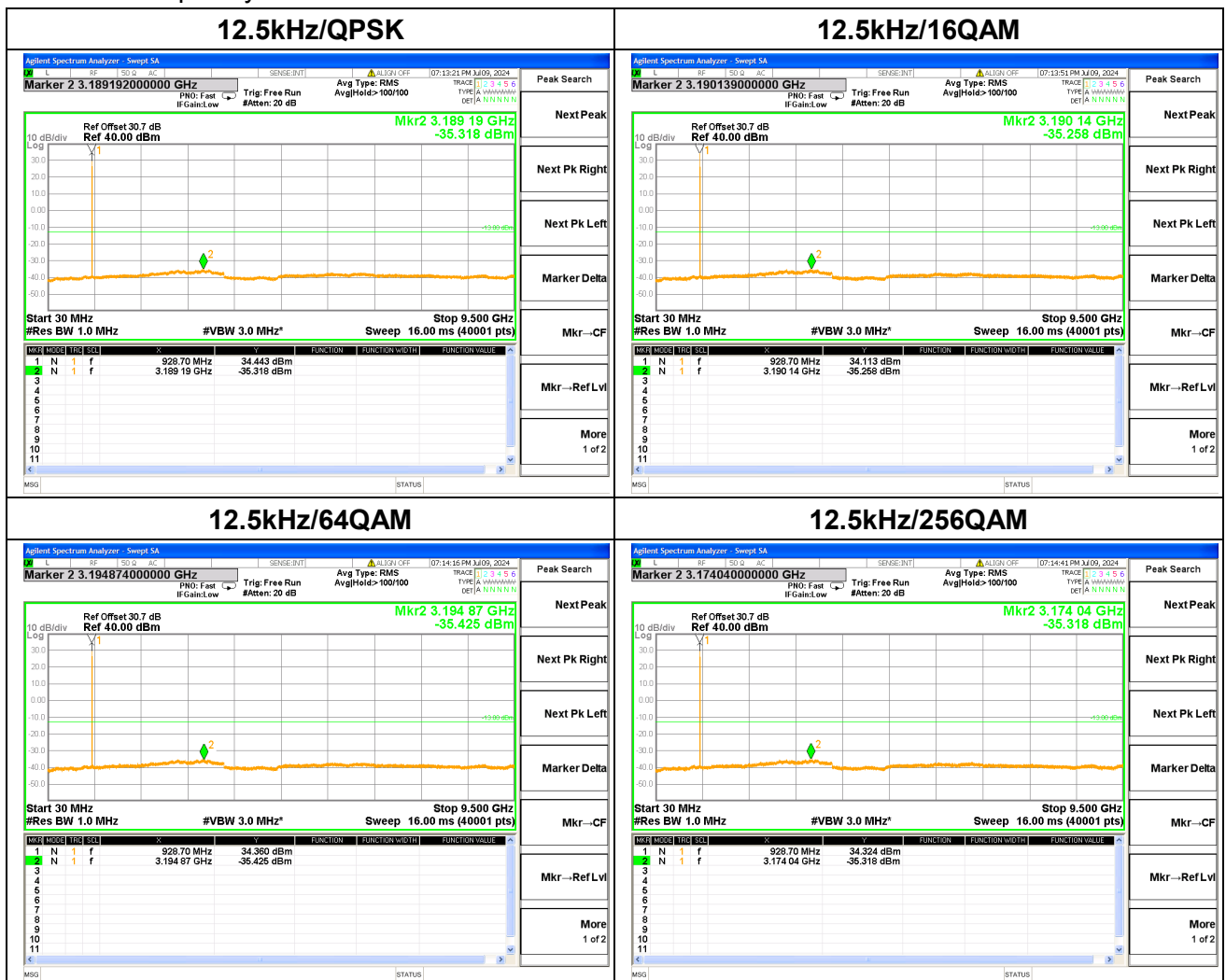
Nominal Frequency: 928.5375 MHz Tx Port: Channel H

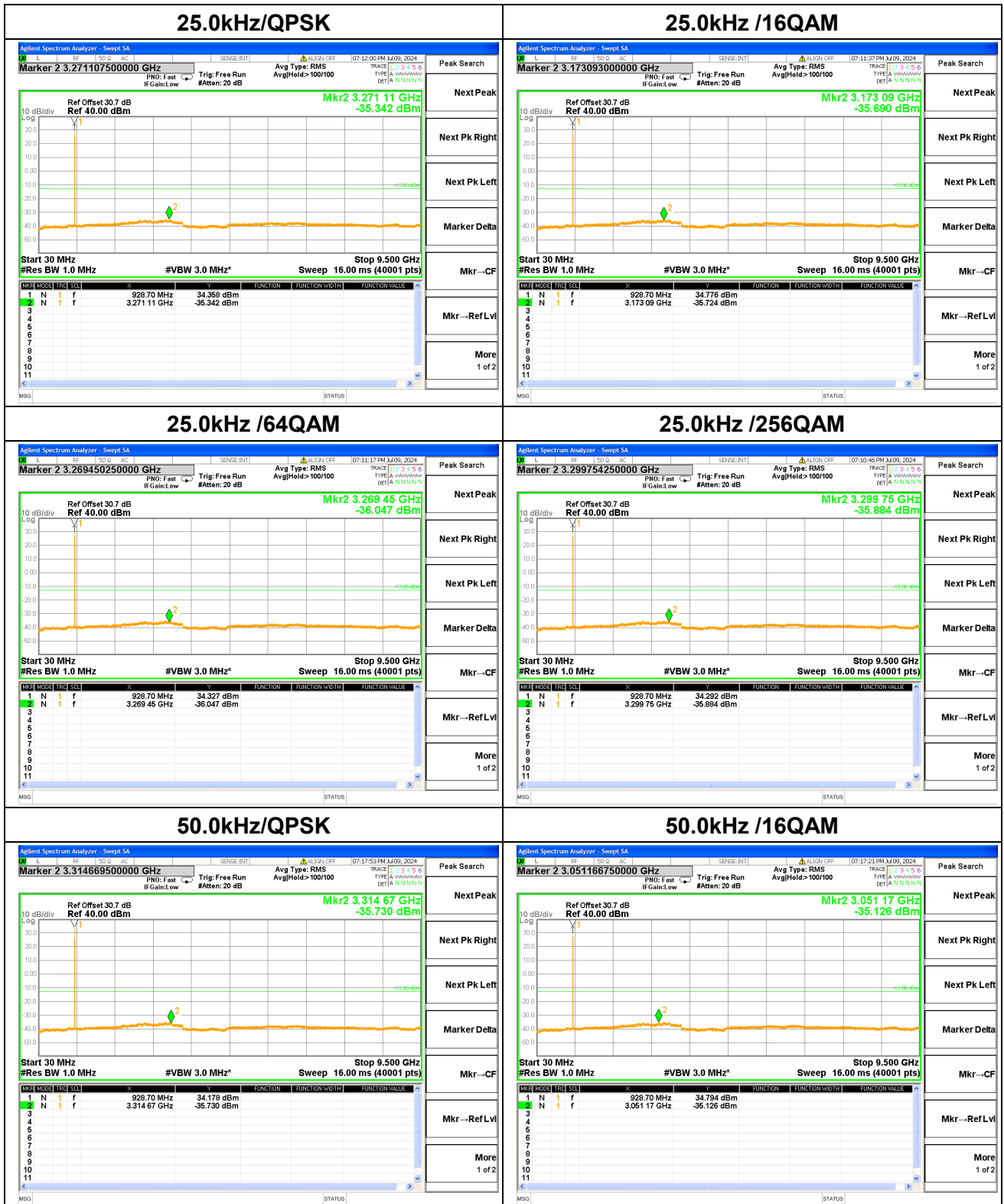






Nominal Frequency: 928.5375 MHz Tx Port: Chan nel V

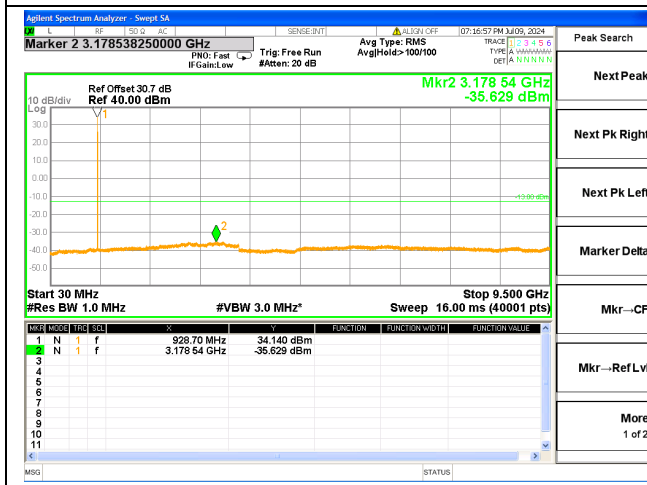






REPORT No.: SZ24060164W02

50.0kHz /64QAM

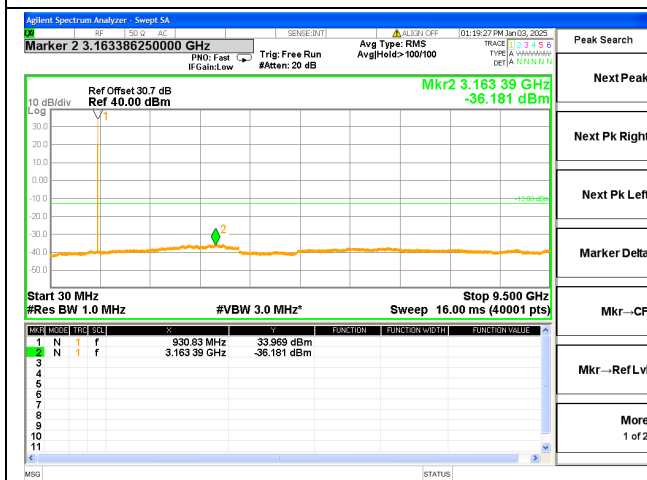


50.0kHz /256QAM

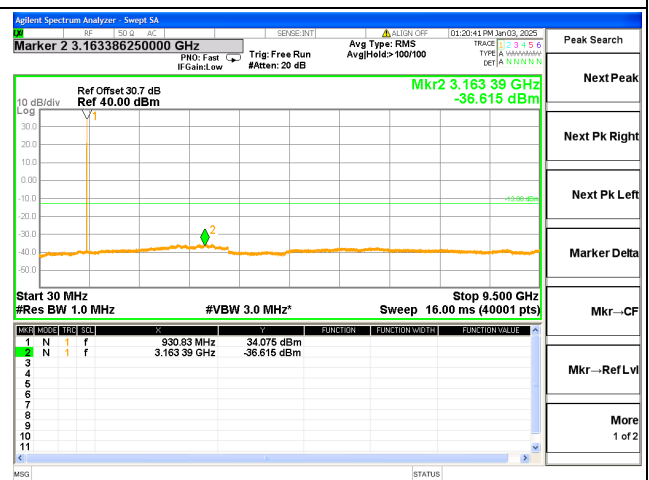


Nominal Frequency: 930.50 MHz Tx Port: Channel H

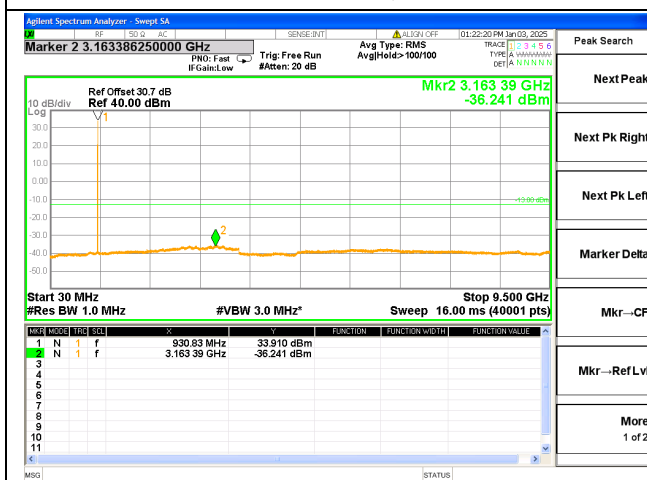
12.5kHz/QPSK



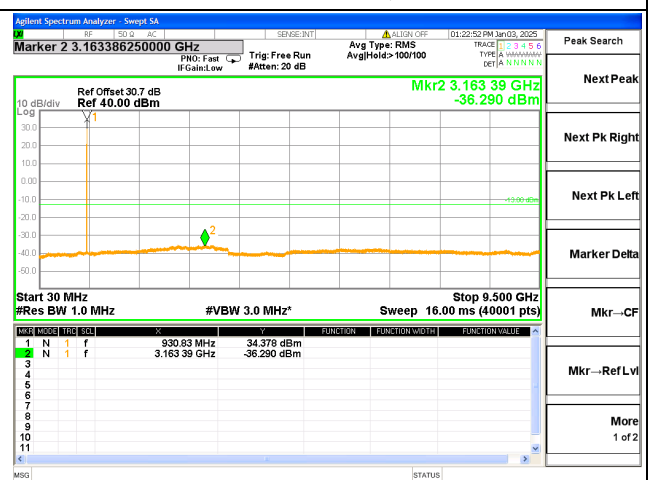
12.5kHz/16QAM



12.5kHz/64QAM



12.5kHz/256QAM



Shenzhen Morlab Communication Technology Co., Ltd.
FL-1-3, Building A, FeiYang Science Park, No.8 LongChang Road,
Block67, BaoAn District, Shenzhen , Guangdong Province, P. R. China

Tel: 86-755-36698555

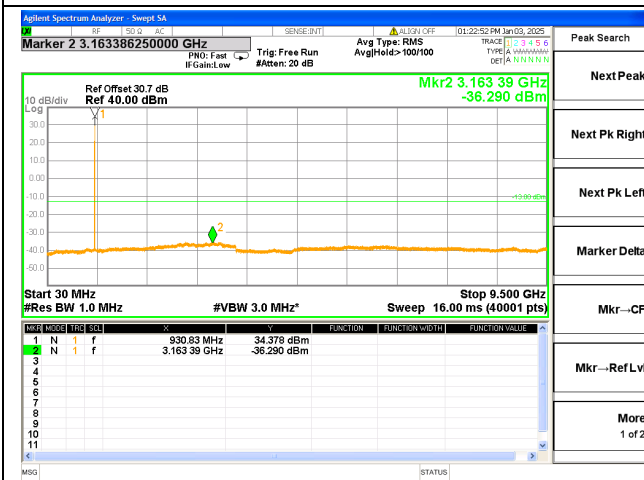
Http://www.morlab.cn

Fax: 86-755-36698525

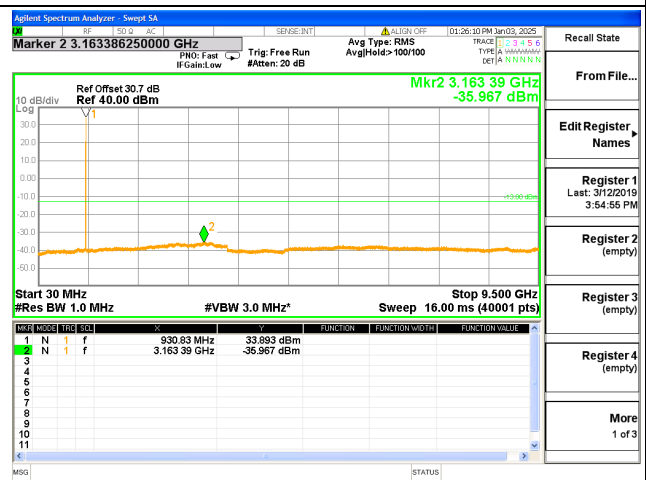
E-mail: service@morlab.cn



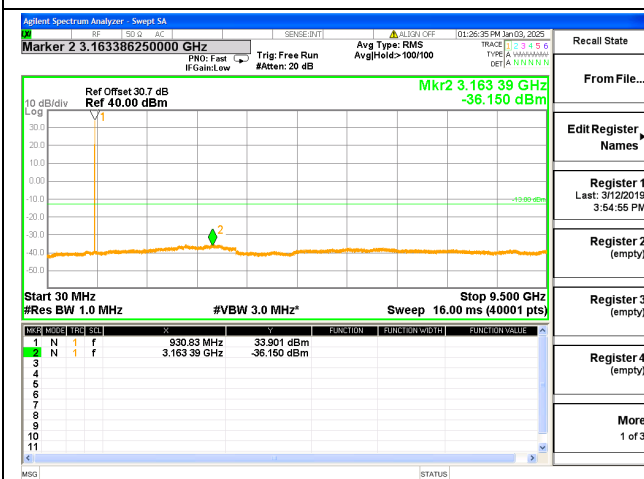
25.0kHz/QPSK



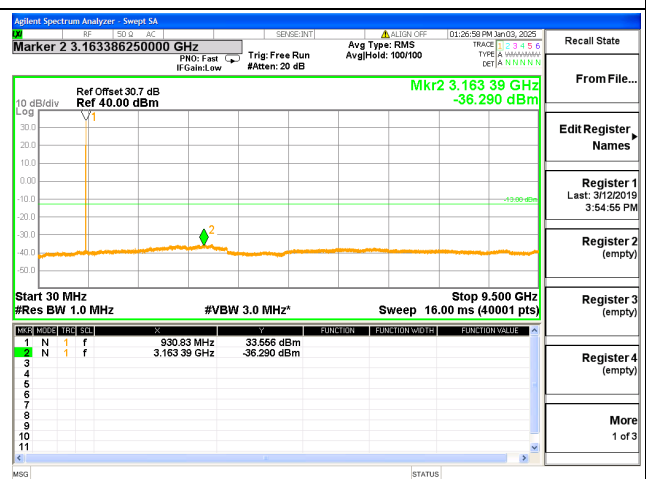
25.0kHz /16QAM



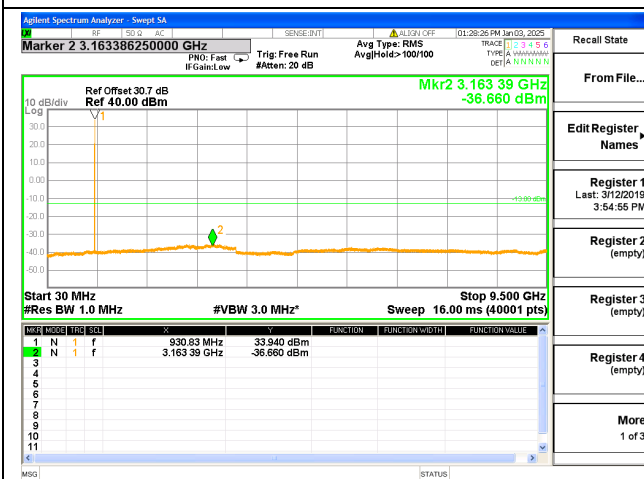
25.0kHz /64QAM



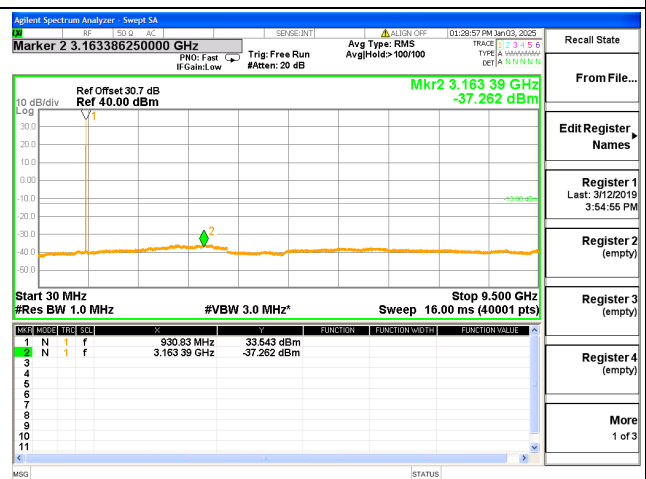
25.0kHz /256QAM

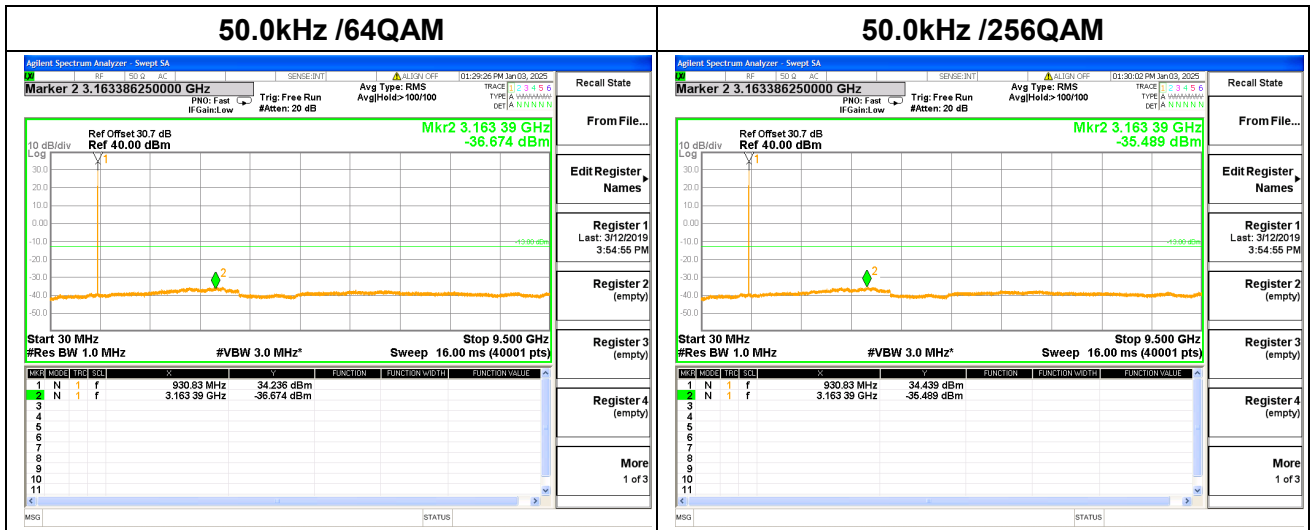


50.0kHz/QPSK



50.0kHz /16QAM





Nominal Frequency: 930.50 MHz Tx Port: Chan nel V

