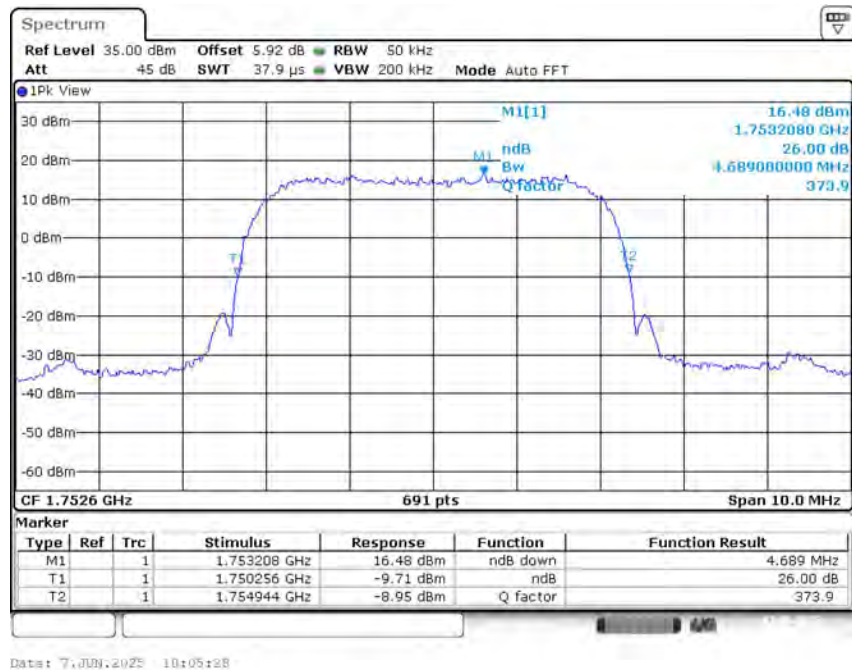


### Channel 1513-Emission Bandwidth (-26dBc BW)

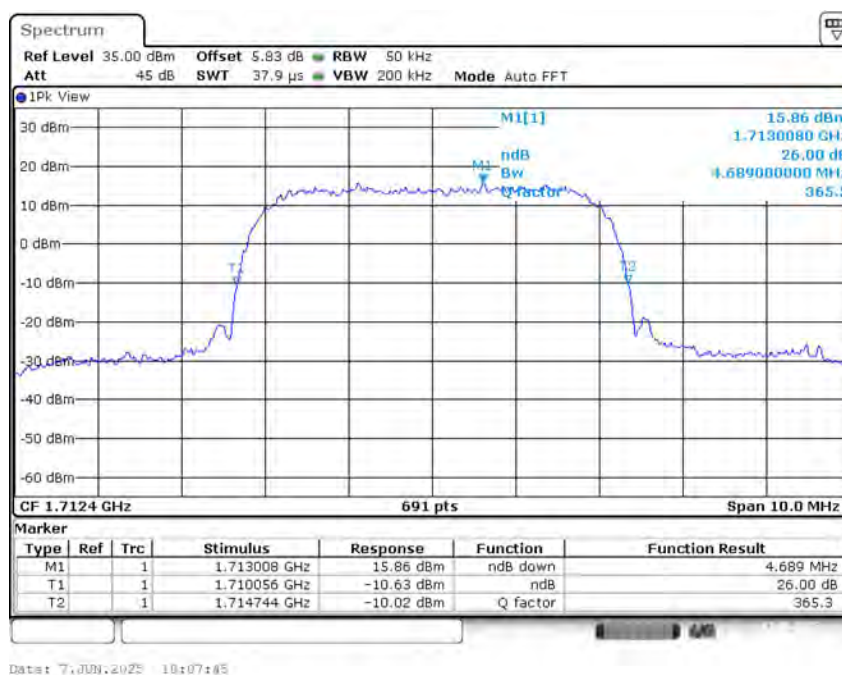


### WCDMA Band IV (-26dBc)-16QAM

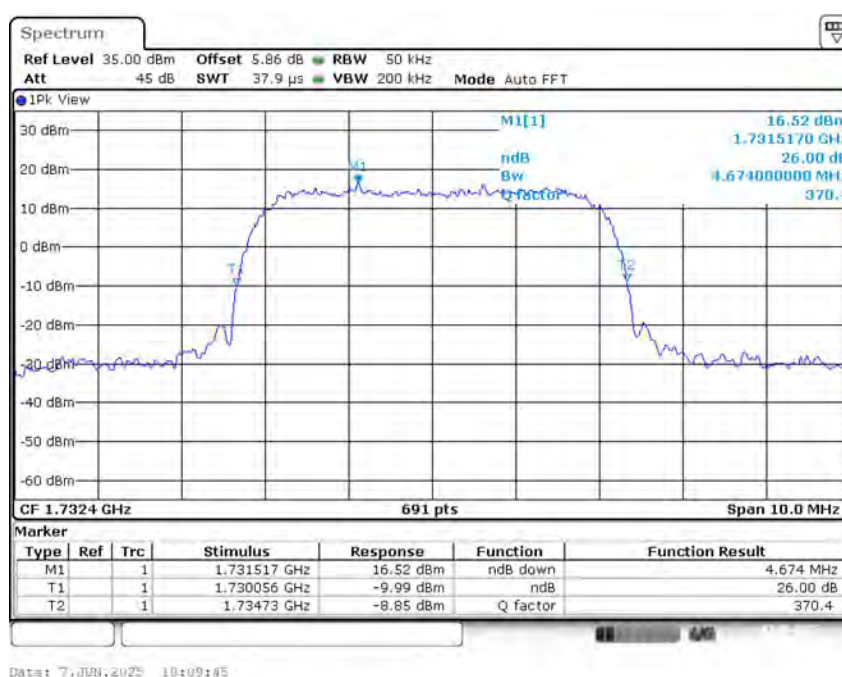
Frequency (MHz)	Emission Bandwidth (-26dBc)(MHz)
1712.4	4.689
1732.4	4.674
1752.6	4.689

### WCDMA Band IV (-26dBc)

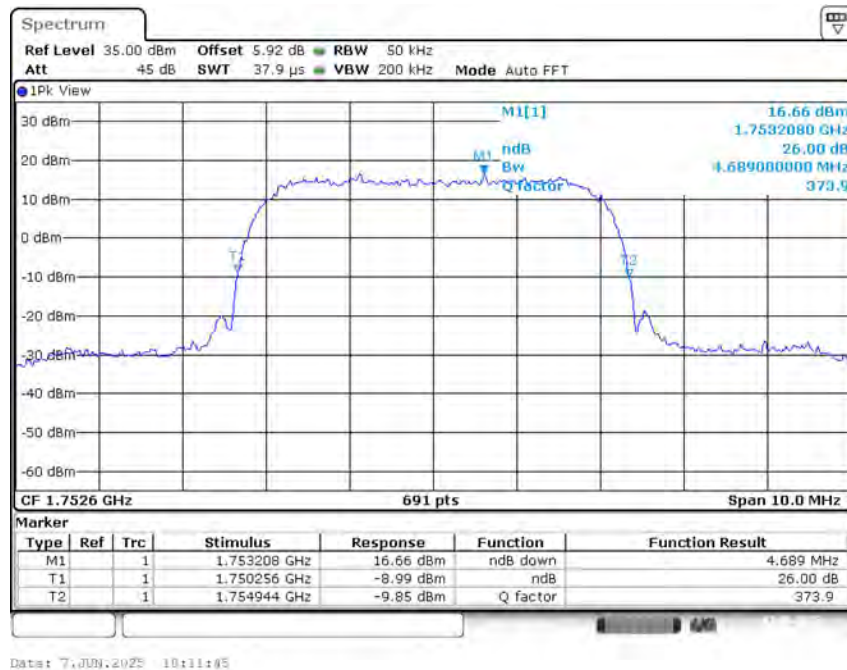
#### Channel 1312-Emission Bandwidth (-26dBc BW)



#### Channel 1412-Emission Bandwidth (-26dBc BW)



### Channel 1513-Emission Bandwidth (-26dBc BW)



### WCDMA Band V (-26dBc)-QPSK

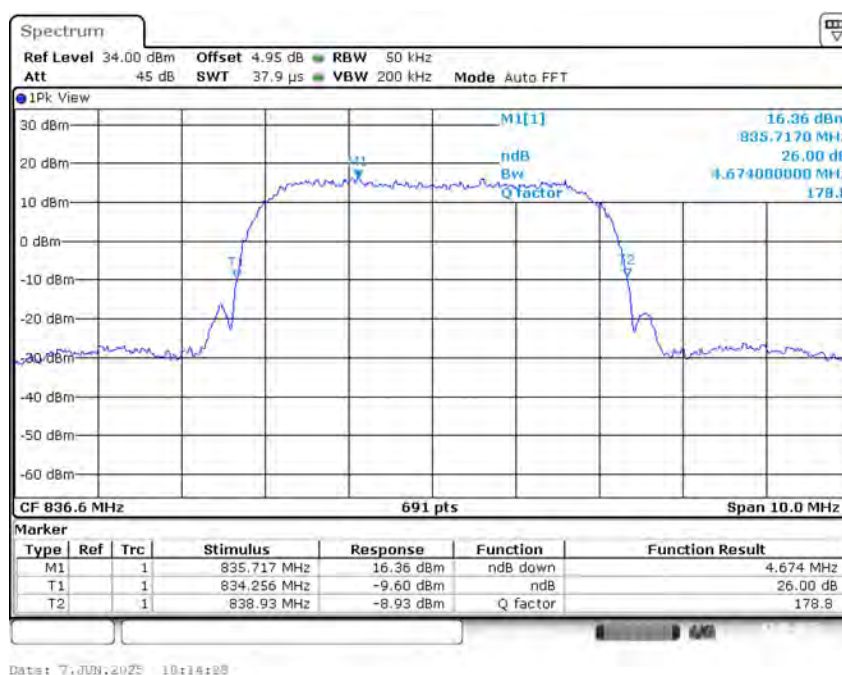
Frequency (MHz)	Emission Bandwidth (-26dBc)(MHz)
826.4	4.689
836.6	4.674
846.6	4.689

### WCDMA Band V (-26dBc)

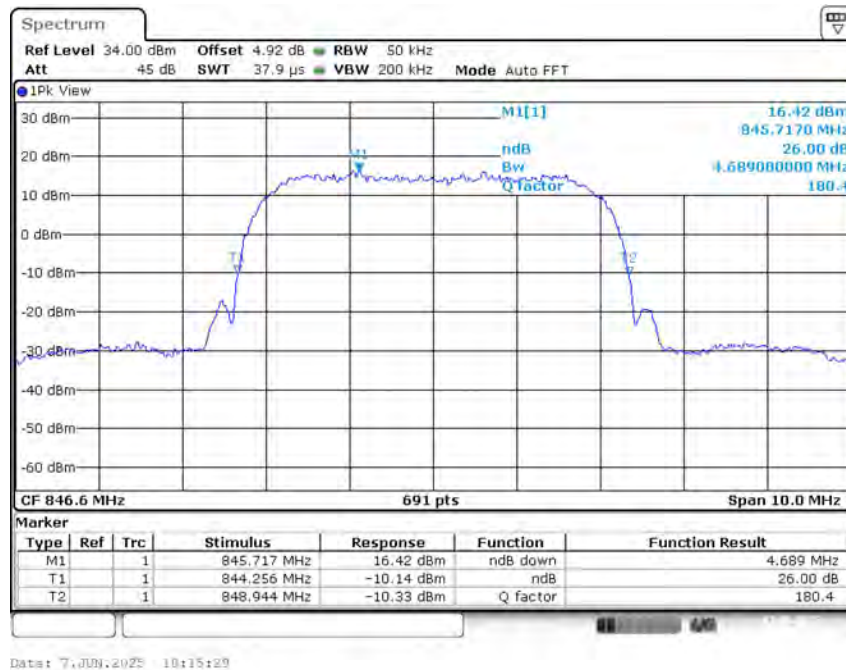
#### Channel 4132-Emission Bandwidth (-26dBc BW)



#### Channel 4183-Emission Bandwidth (-26dBc BW)



### Channel 4233-Emission Bandwidth (-26dBc BW)



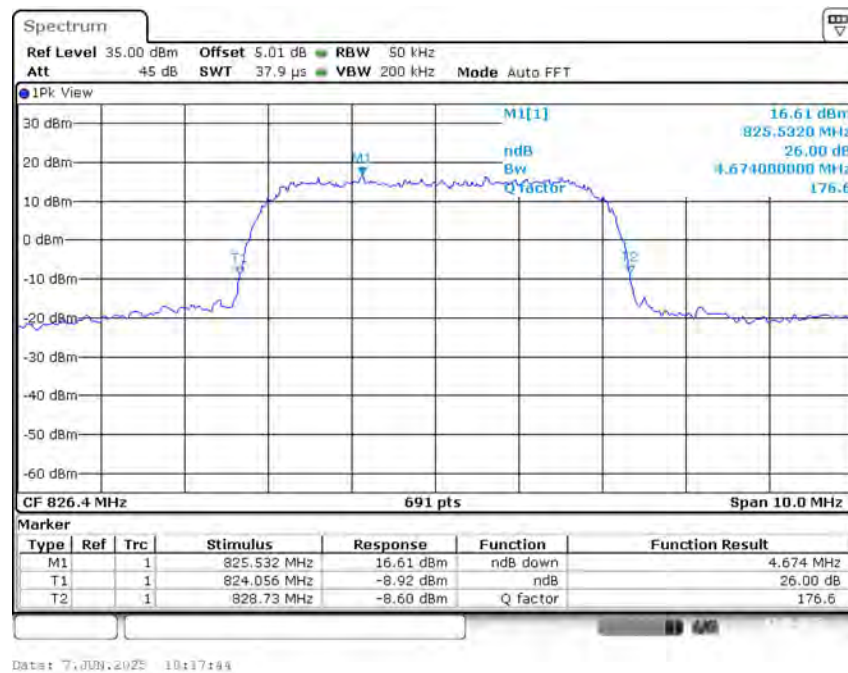


### WCDMA Band V (-26dBc)-16QAM

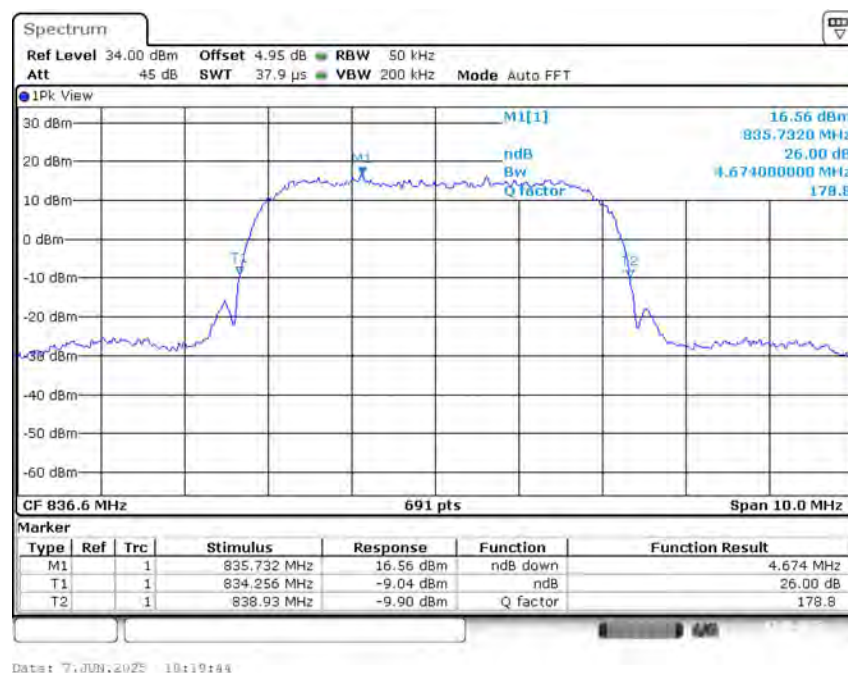
Frequency (MHz)	Emission Bandwidth (-26dBc)(MHz)
826.4	4.674
836.6	4.674
846.6	4.674

### WCDMA Band V (-26dBc)

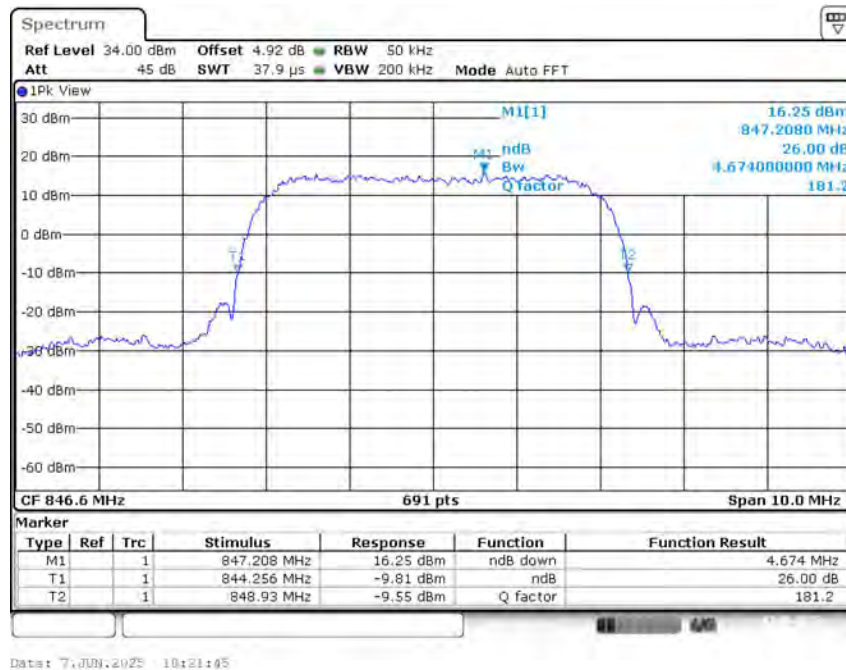
#### Channel 4132-Emission Bandwidth (-26dBc BW)



#### Channel 4183-Emission Bandwidth (-26dBc BW)



### Channel 4233-Emission Bandwidth (-26dBc BW)



## **A.6 Band Edge Compliance**

### **A.6.1 Measurement limit**

Part 22.917, Part 24.238 and Part 27.53(h) specify that 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.

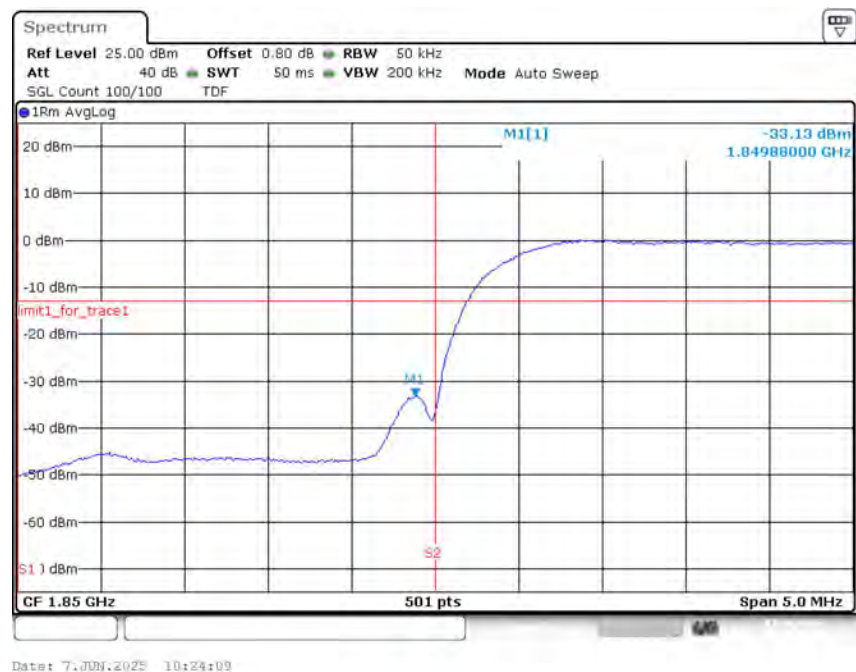
According to KDB 971168, a relaxation of the reference bandwidth is often provided for measurements within a specified frequency range at the edge of the authorized frequency block/band. This is often implemented by permitting the use of a narrower RBW (typically limited to a minimum RBW of 1% of the OBW) for measuring the out-of-band emissions without a requirement to integrate the result over the full reference bandwidth.



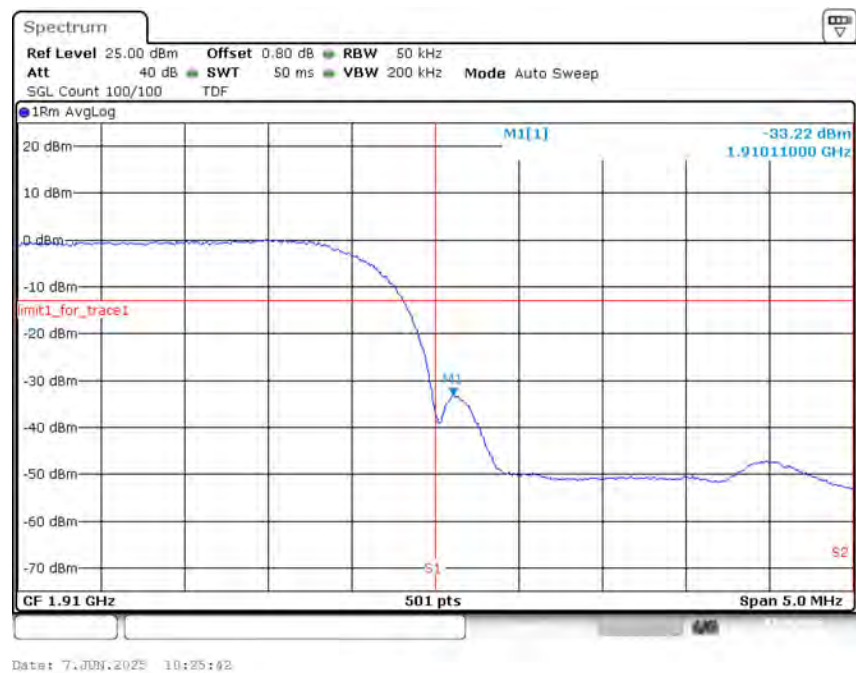
## A.6.2 Measurement result

### WCDMA Band II-QPSK

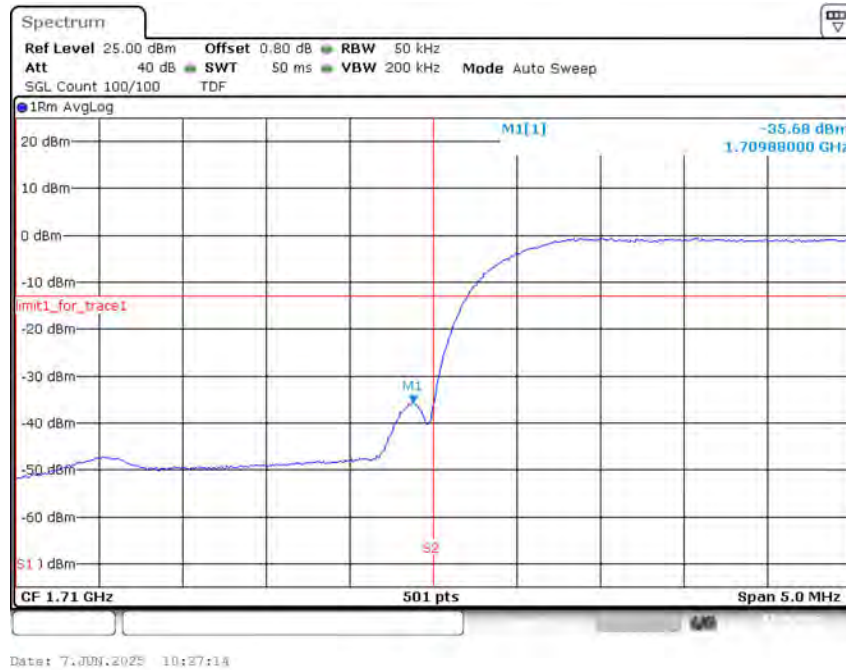
### Channel 9262



### Channel 9538



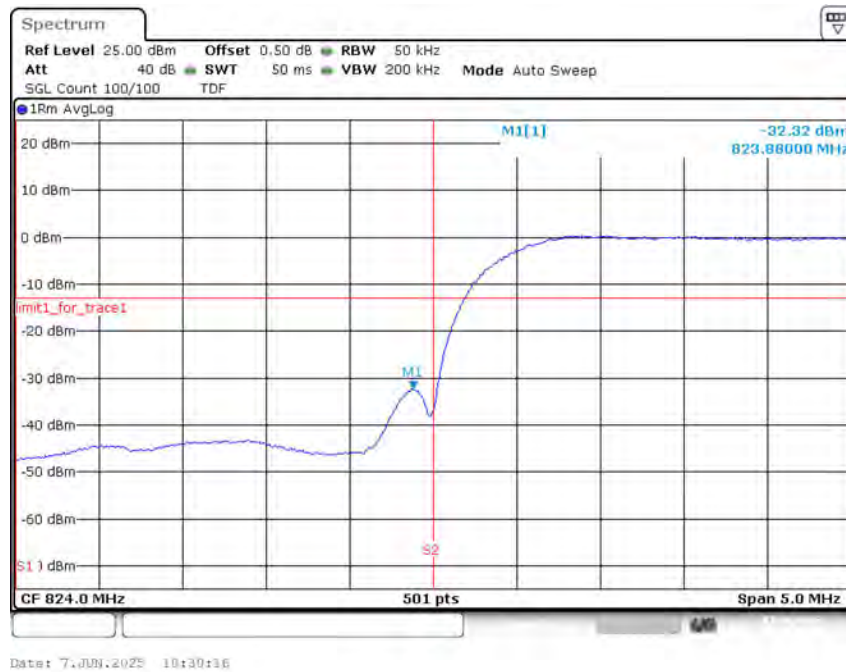
## WCDMA Band IV-QPSK Channel 1312



## Channel 1513



## WCDMA Band V-QPSK Channel 4132



## Channel 4233



## **A.7 Conducted Spurious Emission**

### **A.7.1 Measurement Method**

The following steps outline the procedure used to measure the conducted emissions from the EUT.

1. In measuring unwanted emissions, the spectrum shall be investigated from 30 MHz or the lowest radio frequency signal generated in the equipment, whichever is lower, without going below 9 kHz, up to at least the frequency given below:
  - (a) If the equipment operates below 10 GHz: to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower.
  - (b) If the equipment operates at or above 10 GHz: to the fifth harmonic of the highest fundamental frequency or to 100 GHz, whichever is lower.
2. Determine EUT transmit frequencies: below outlines the band edge frequencies pertinent to conducted emissions testing.
3. The number of sweep points of spectrum analyzer is greater than  $2 \times \text{span} / \text{RBW}$ .

### **A. 7.2 Measurement Limit**

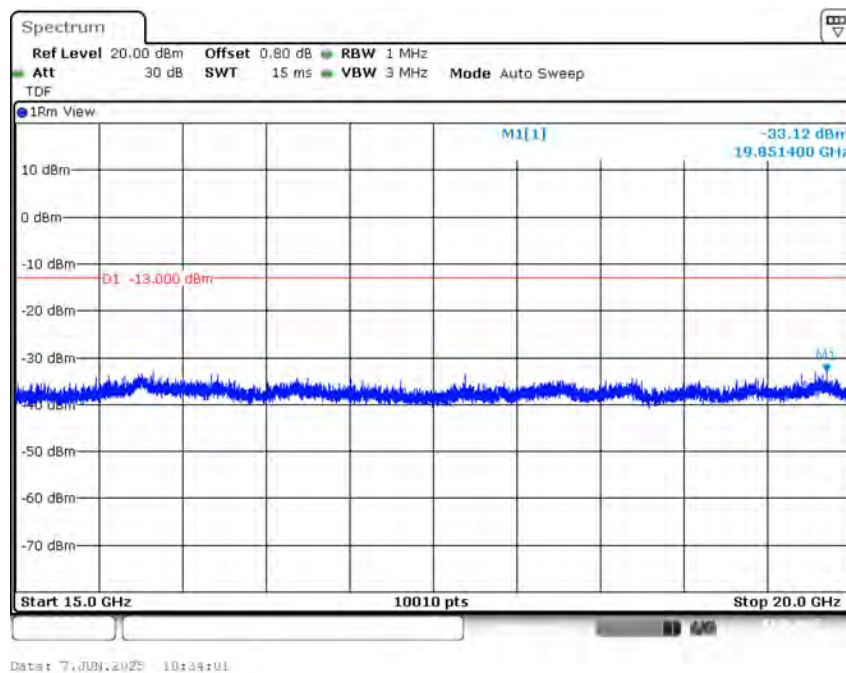
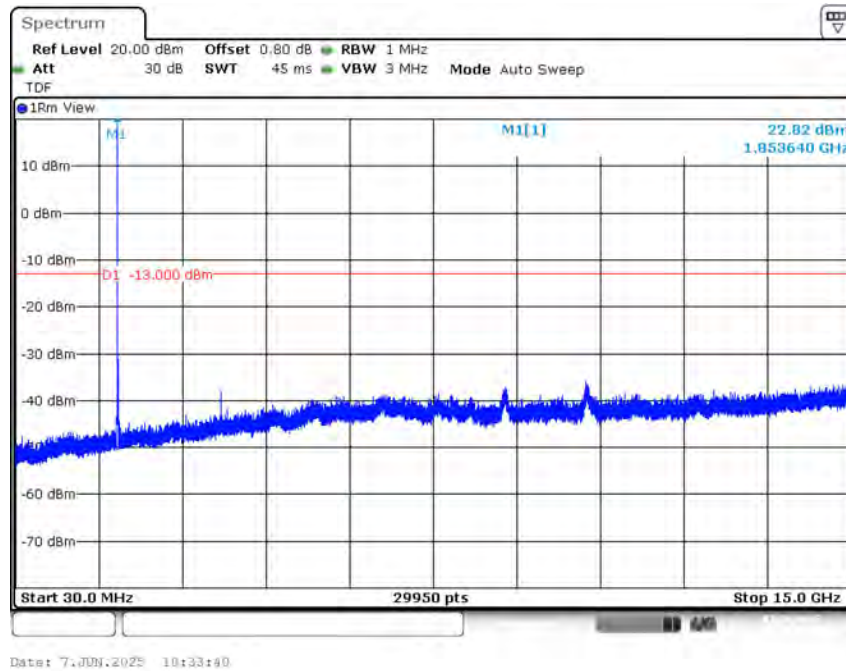
Part 22.917, Part 24.238 and Part 27.53(h) specify that the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43 + 10 \log(P)$  dB.

### A.7.3 Measurement result

#### WCDMA Band II-QPSK

#### Channel 9262

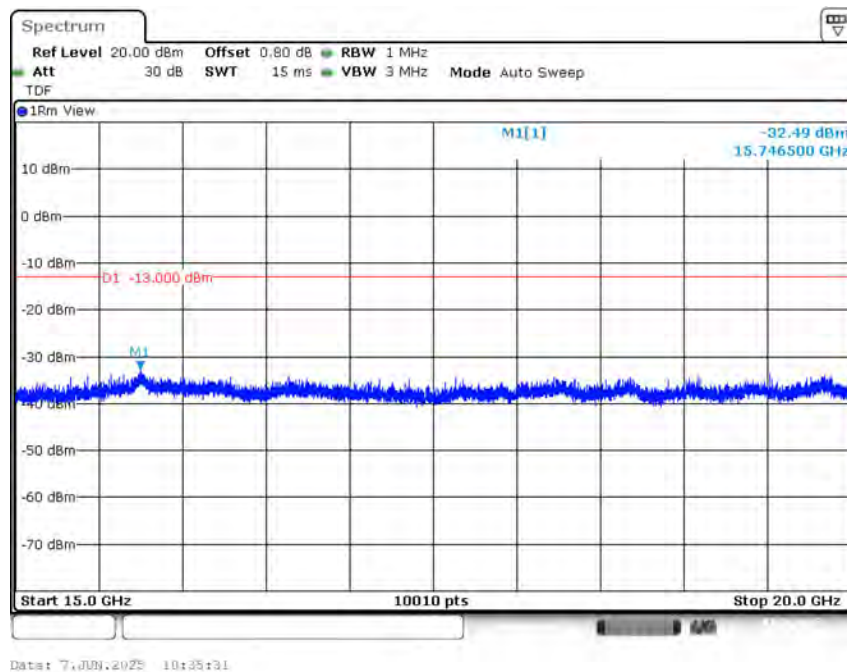
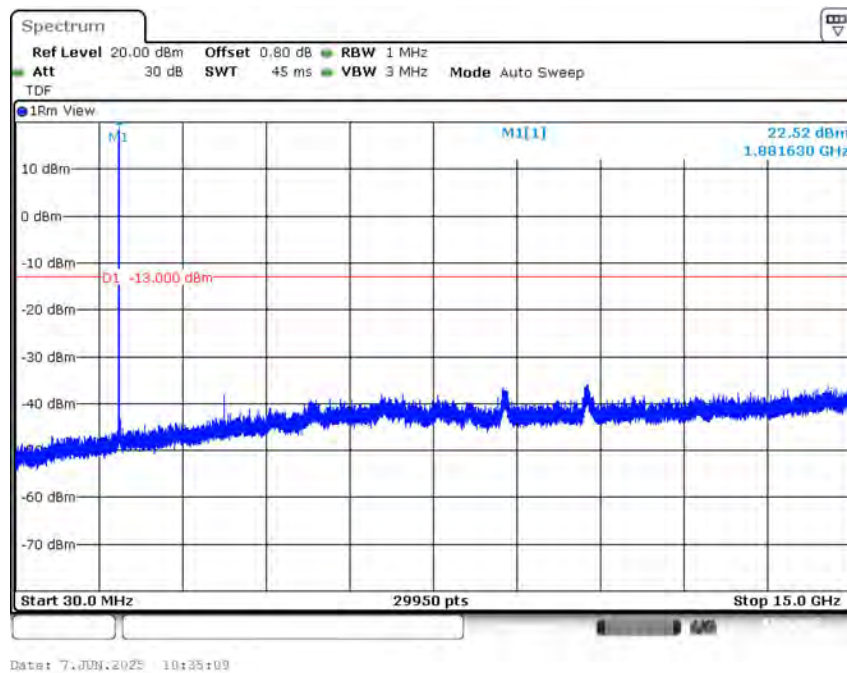
NOTE: peak above the limit line is the carrier frequency.





## Channel 9400

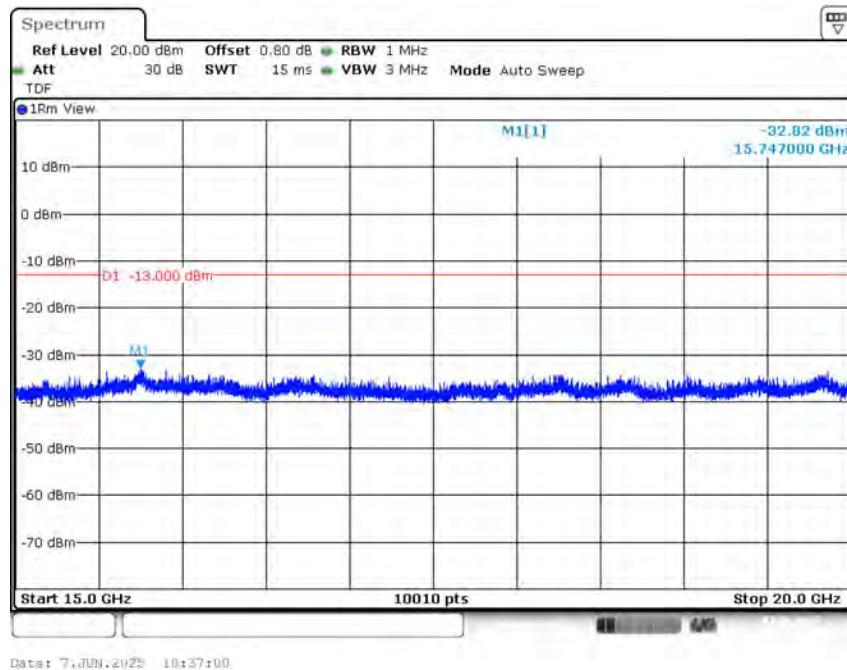
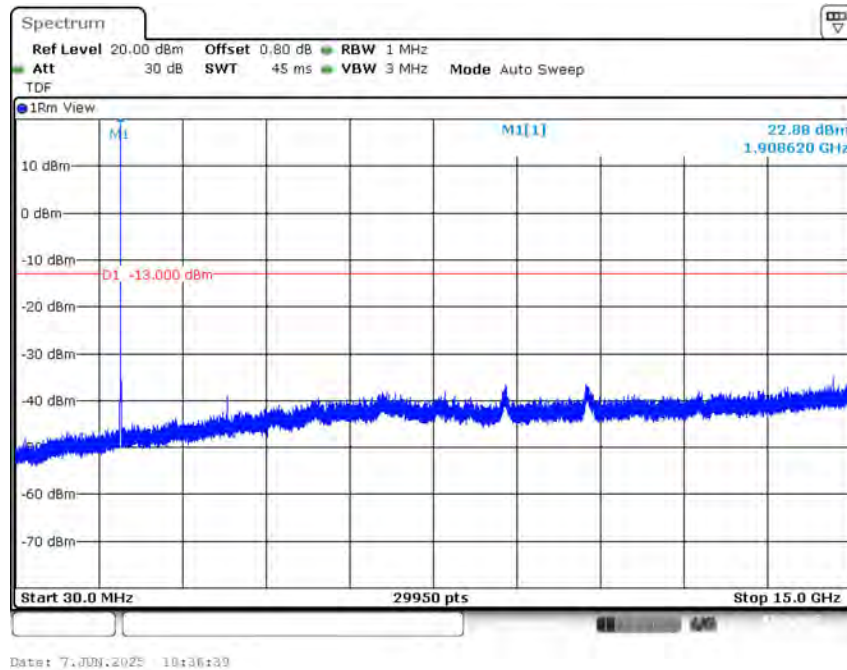
NOTE: peak above the limit line is the carrier frequency.





# Channel 9538

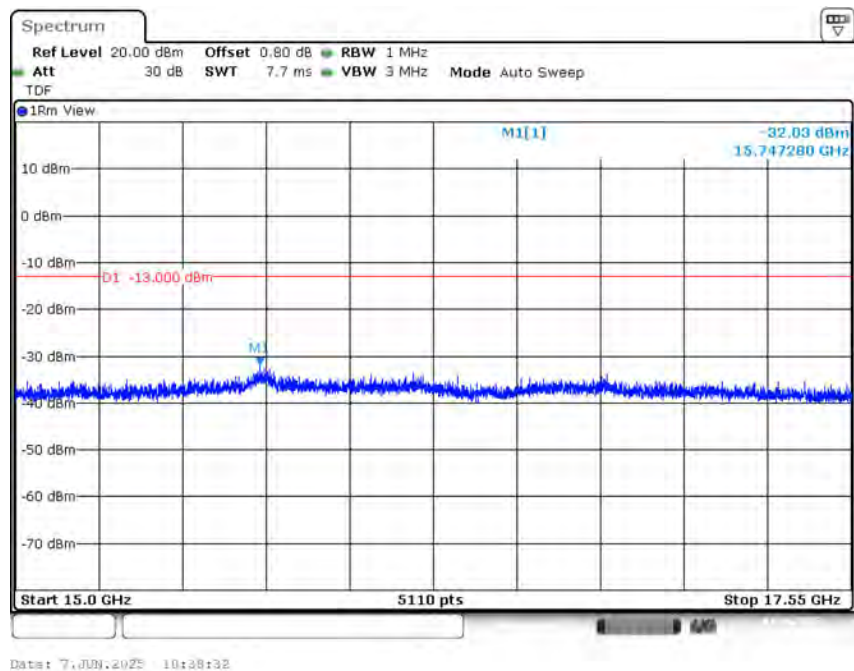
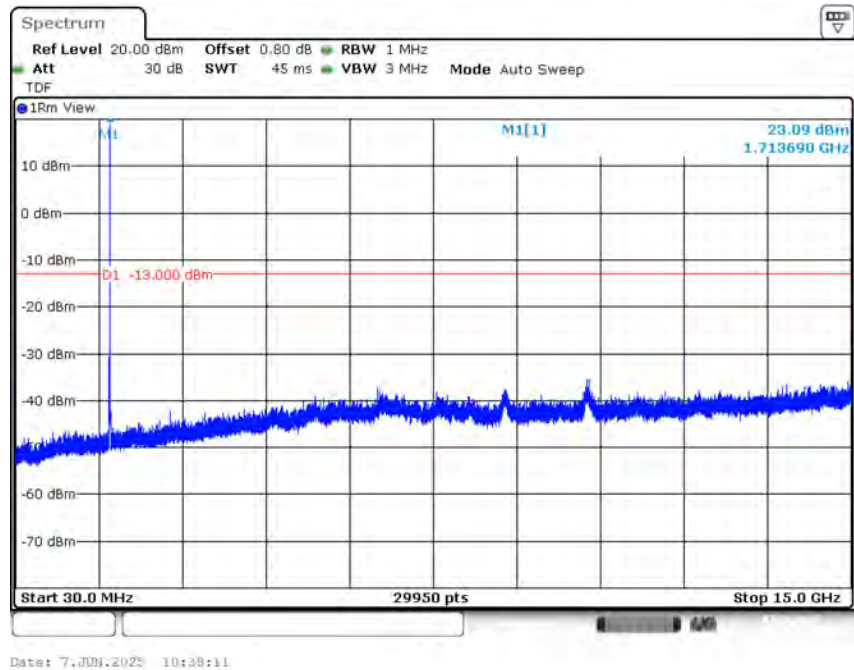
NOTE: peak above the limit line is the carrier frequency.



## WCDMA Band IV-QPSK

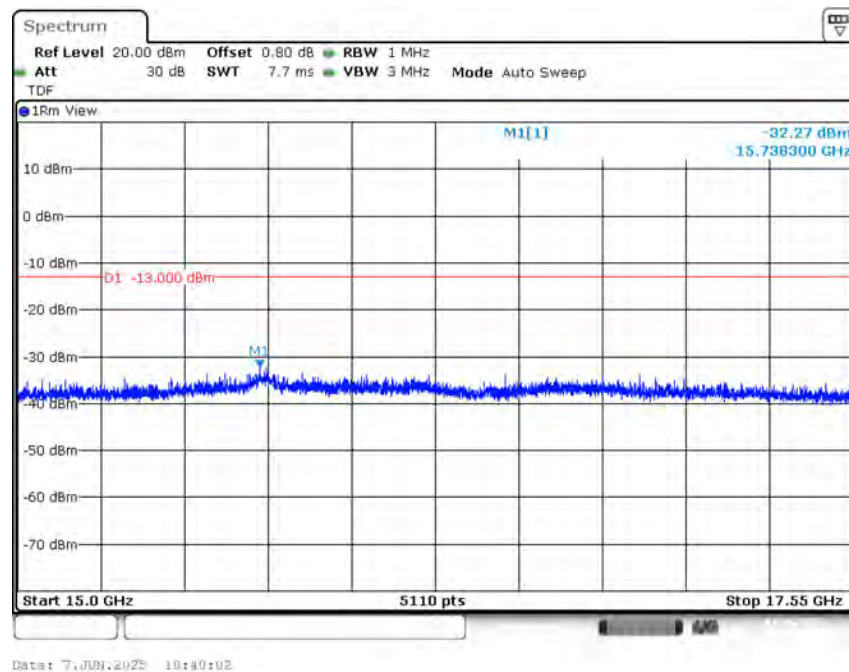
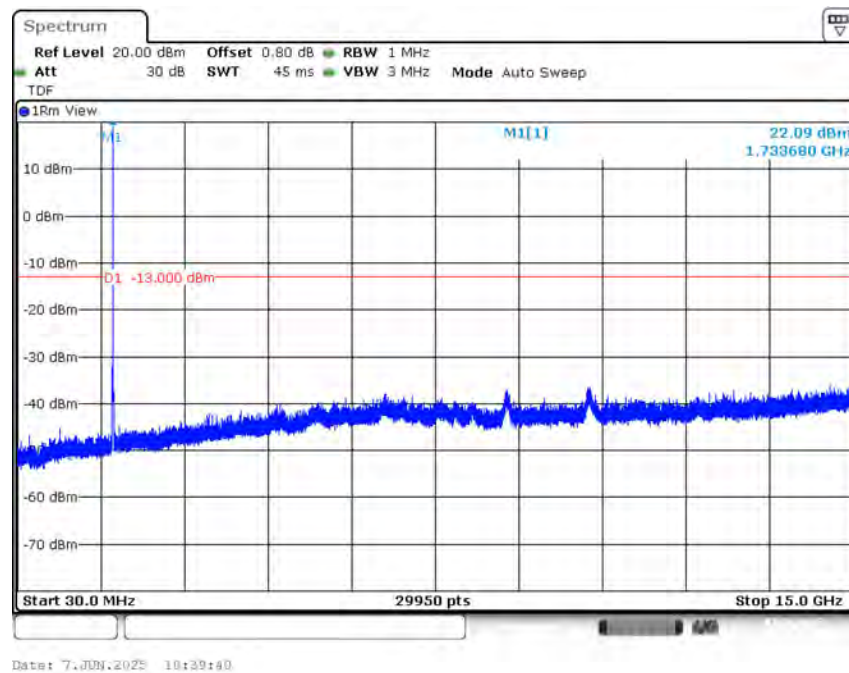
### Channel 1312

NOTE: peak above the limit line is the carrier frequency.



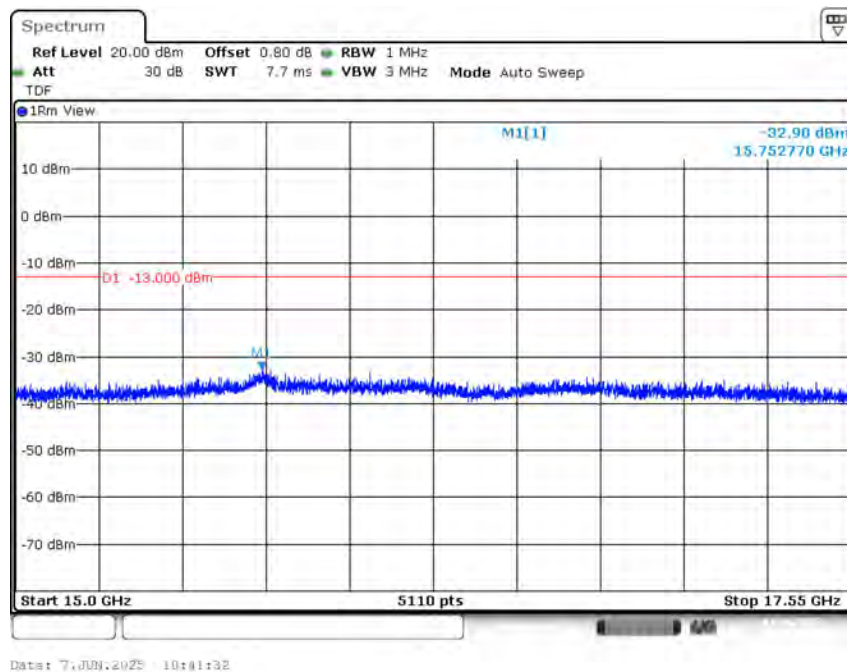
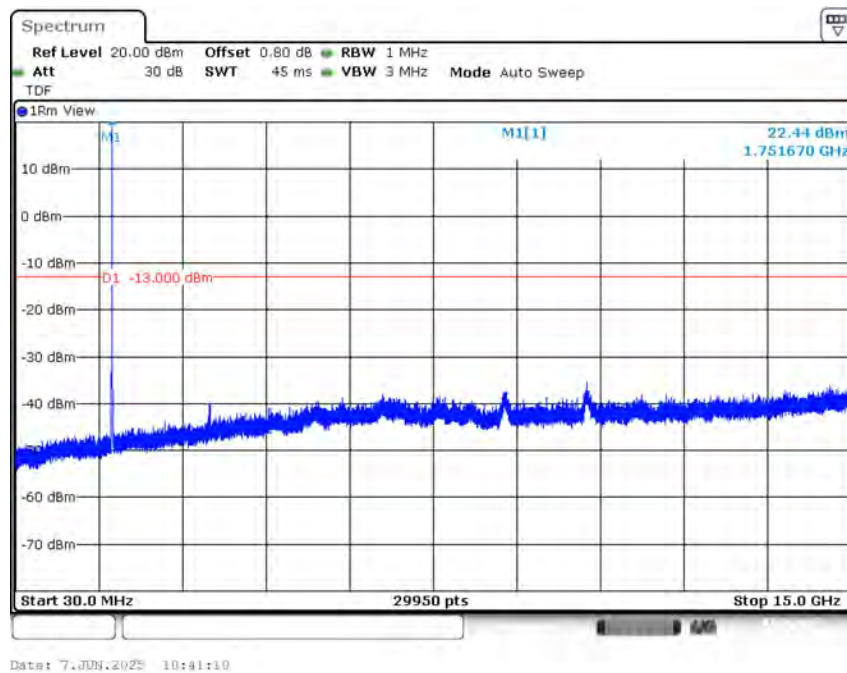
## Channel 1412

NOTE: peak above the limit line is the carrier frequency.



## Channel 1513

NOTE: peak above the limit line is the carrier frequency.

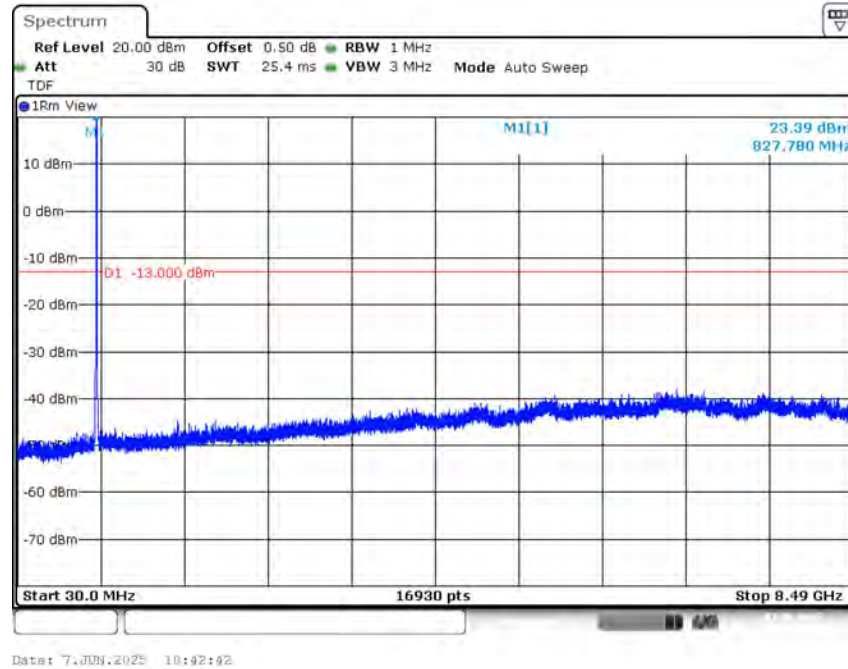




## WCDMA Band V-QPSK

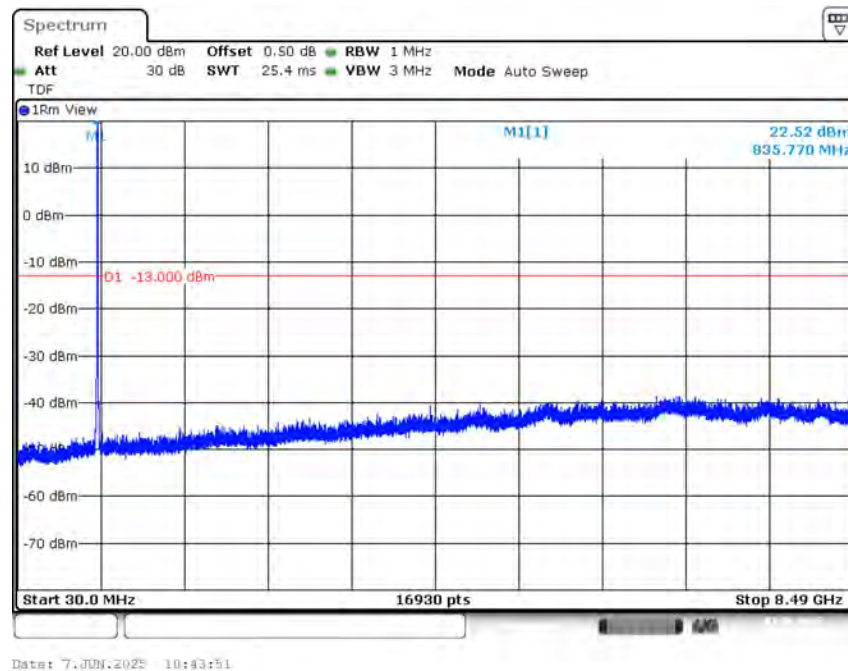
### Channel 4132

NOTE: peak above the limit line is the carrier frequency.



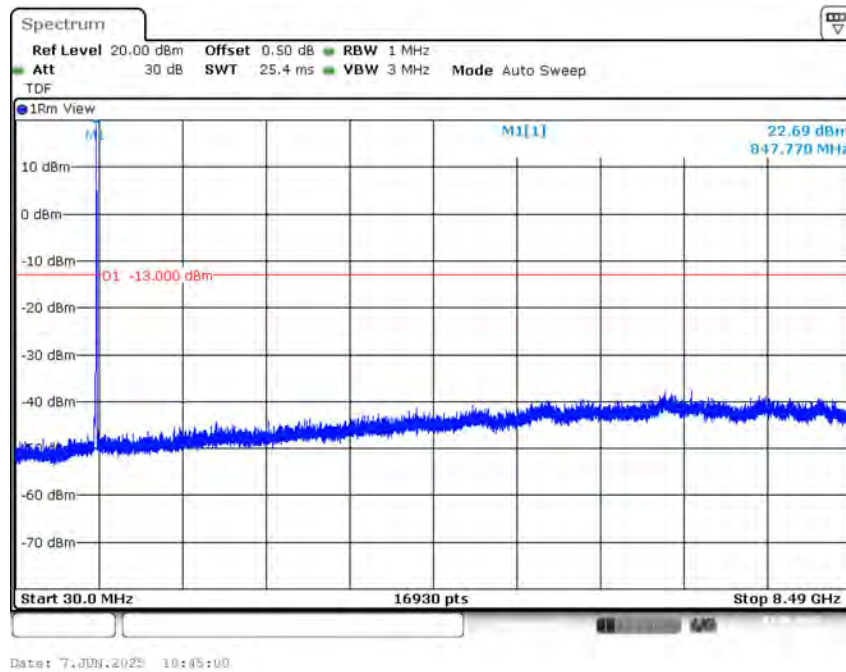
### Channel 4183

NOTE: peak above the limit line is the carrier frequency.



### Channel 4233

**NOTE: peak above the limit line is the carrier frequency.**





## **A.8 Peak-to-Average Power Ratio**

The peak-to-average ratio (PAR) of the transmission may not exceed 13 dB

- a) Refer to instrument's analyzer instruction manual for details on how to use the power statistics/CCDF function;
- b) Set resolution/measurement bandwidth  $\geq$  signal's occupied bandwidth;
- c) Set the number of counts to a value that stabilizes the measured CCDF curve;
- d) Record the maximum PAPR level associated with a probability of 0.1%.

### **WCDMA Band II-QPSK**

#### **Measurement result**

CH	Frequency (MHz)	PAPR (dB)
9400	1880	3.13

### **WCDMA Band II-16QAM**

#### **Measurement result**

CH	Frequency (MHz)	PAPR (dB)
9400	1880	4.58

### **WCDMA Band IV-QPSK**

#### **Measurement result**

CH	Frequency (MHz)	PAPR (dB)
1412	1732.4	3.04

### **WCDMA Band IV-16QAM**

#### **Measurement result**

CH	Frequency (MHz)	PAPR (dB)
1412	1732.4	4.67

## Annex B: Accreditation Certificate



\*\*\*END OF REPORT\*\*\*