

Band:

EGPRS 850

Test Mode:

EGPRS class 12 Link (8PSK)

26dB&99% Occupied Bandwidth Plot on Channel 128



26dB&99% Occupied Bandwidth Plot on Channel 190



26dB&99% Occupied Bandwidth Plot on Channel 251



Band:

EGPRS 1900

Test Mode:

EGPRS class 12 Link (8PSK)

26dB&99% Occupied Bandwidth Plot on Channel 512



26dB&99% Occupied Bandwidth Plot on Channel 661

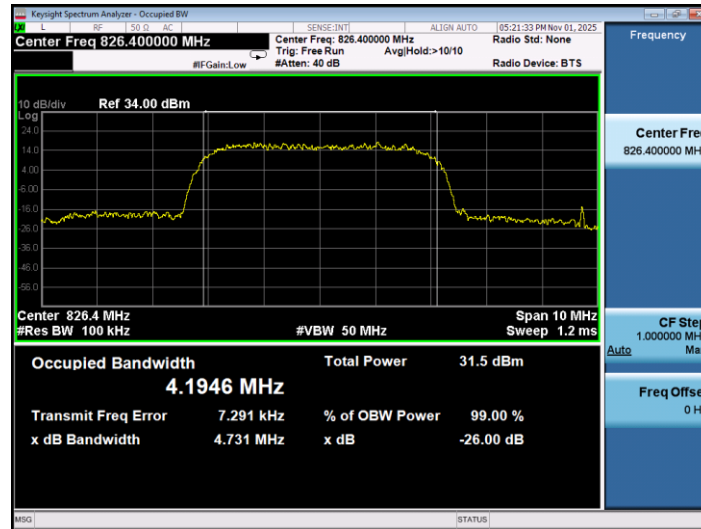


26dB&99% Occupied Bandwidth Plot on Channel 810

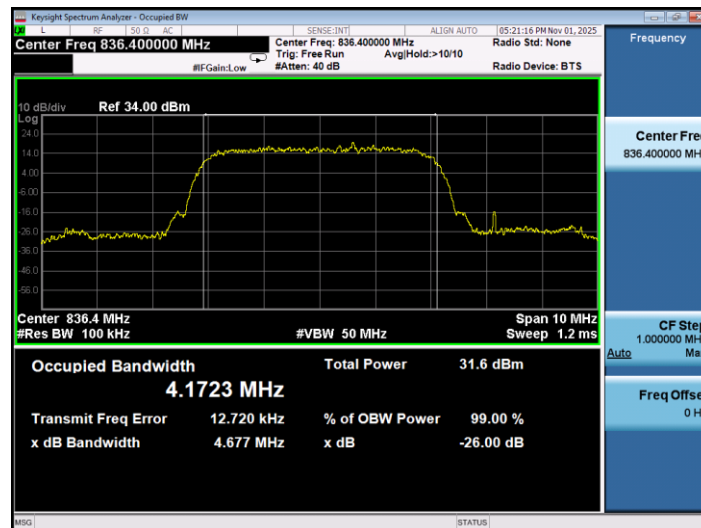


Band: WCDMA Band V Test Mode: RMC 12.2Kbps Link (QPSK)

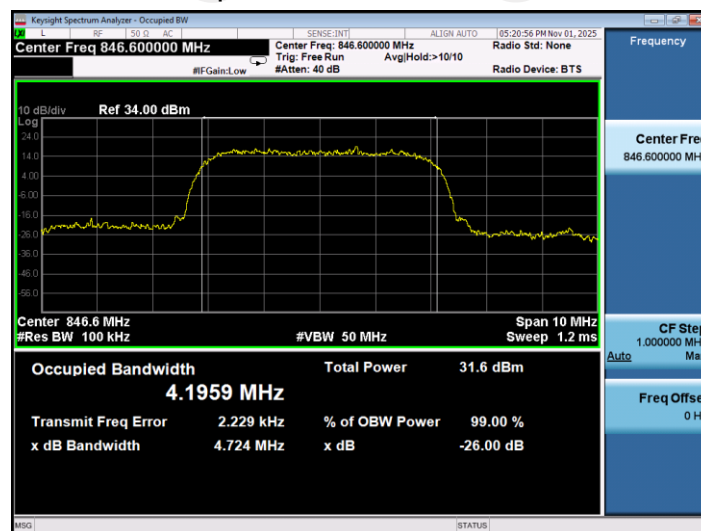
26dB&99% Occupied Bandwidth Plot on Channel 4132



26dB&99% Occupied Bandwidth Plot on Channel 4182

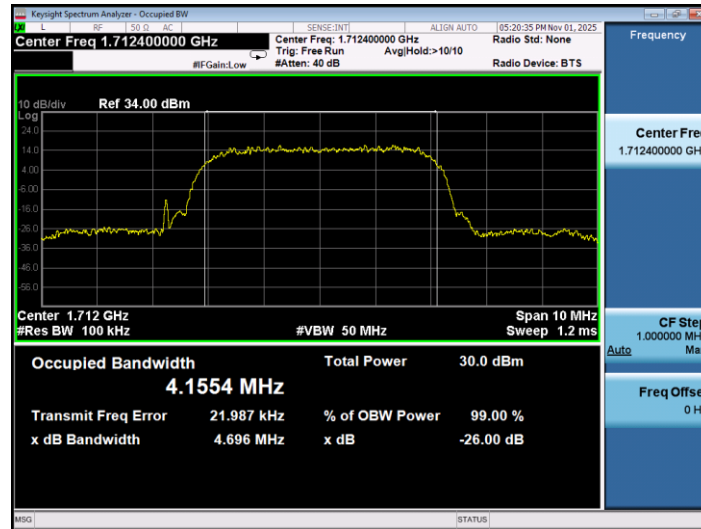


26dB&99% Occupied Bandwidth Plot on Channel 4233

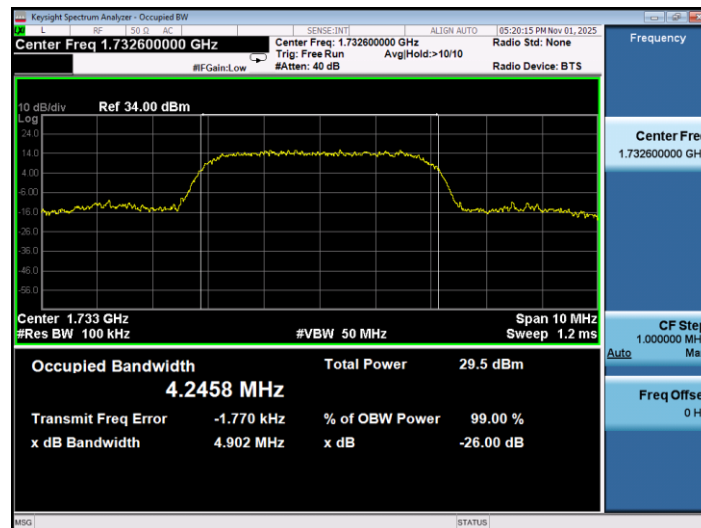


Band: WCDMA Band IV Test Mode: RMC 12.2Kbps Link (QPSK)

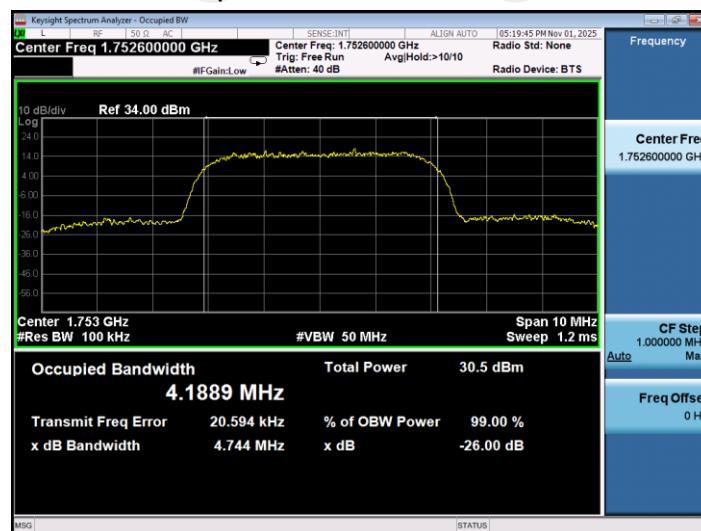
26dB&99% Occupied Bandwidth Plot on Channel 1312



26dB&99% Occupied Bandwidth Plot on Channel 1413

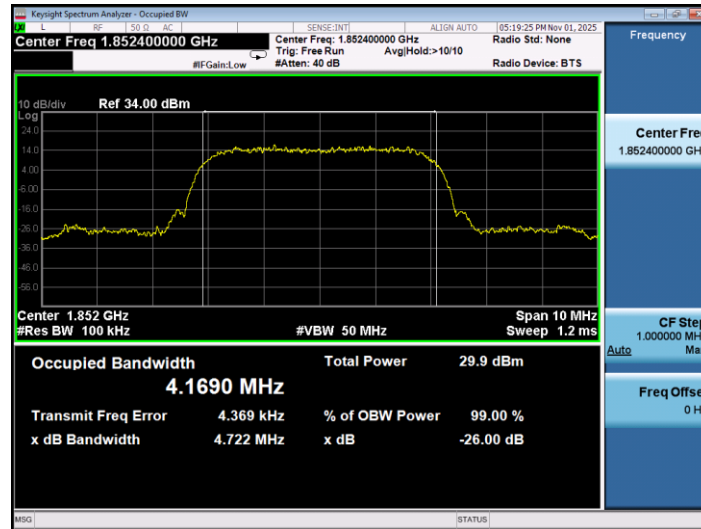


26dB&99% Occupied Bandwidth Plot on Channel 1513

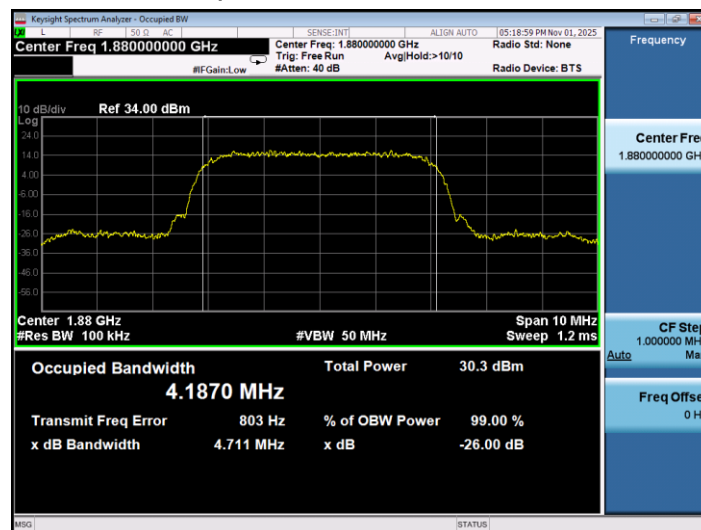


Band: WCDMA Band II Test Mode: RMC 12.2Kbps Link (QPSK)

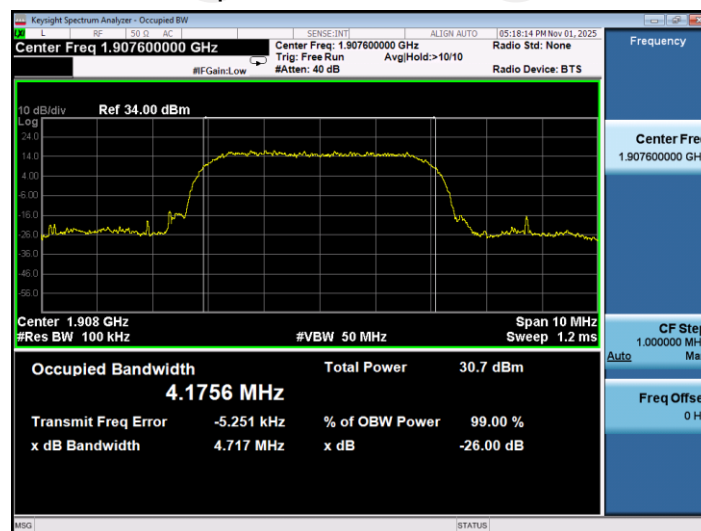
26dB&99% Occupied Bandwidth Plot on Channel 9262



26dB&99% Occupied Bandwidth Plot on Channel 9400



26dB&99% Occupied Bandwidth Plot on Channel 9538



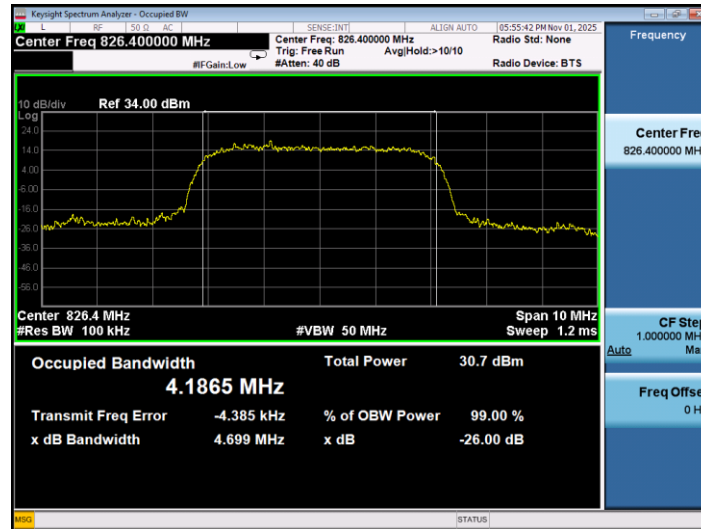
Band:

WCDMA Band V

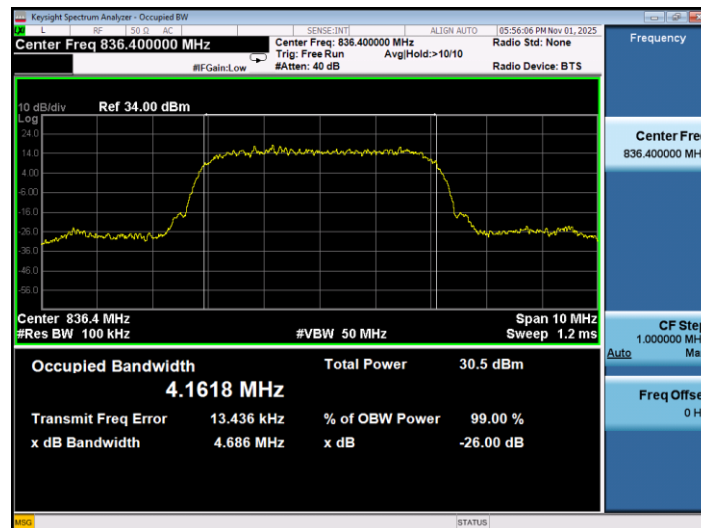
Test Mode:

HSDPA

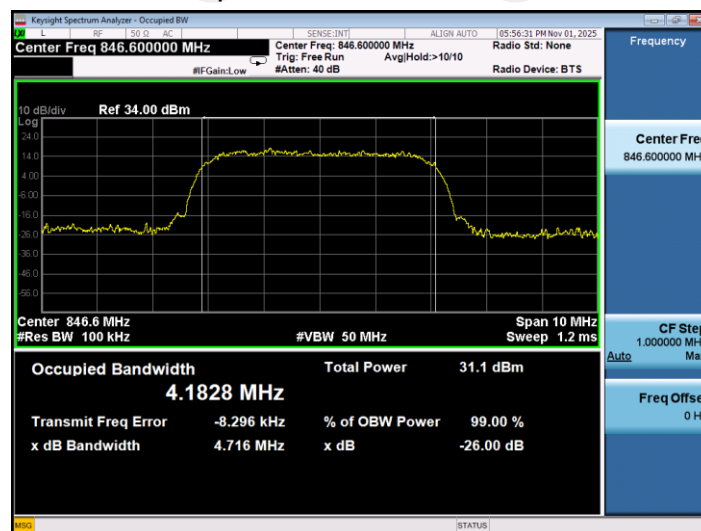
26dB&99% Occupied Bandwidth Plot on Channel 4132



26dB&99% Occupied Bandwidth Plot on Channel 4182

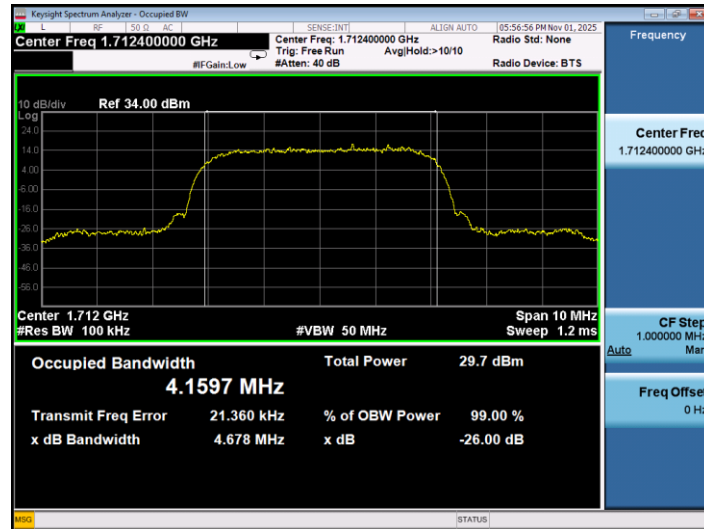


26dB&99% Occupied Bandwidth Plot on Channel 4233

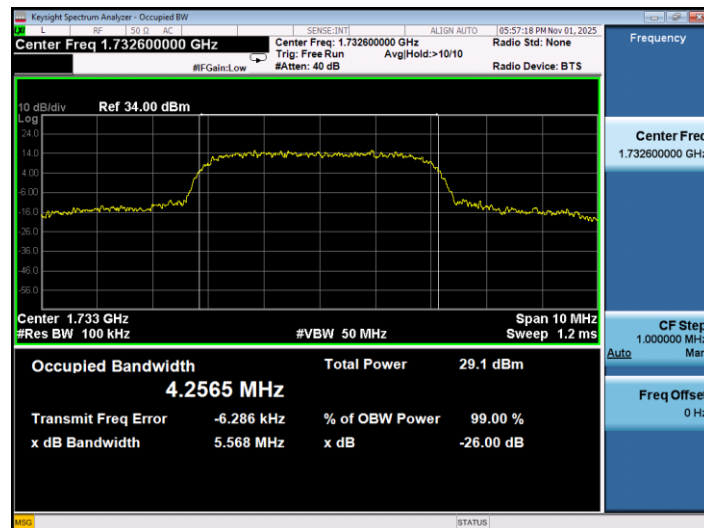


Band:	WCDMA Band IV	Test Mode:	HSDPA
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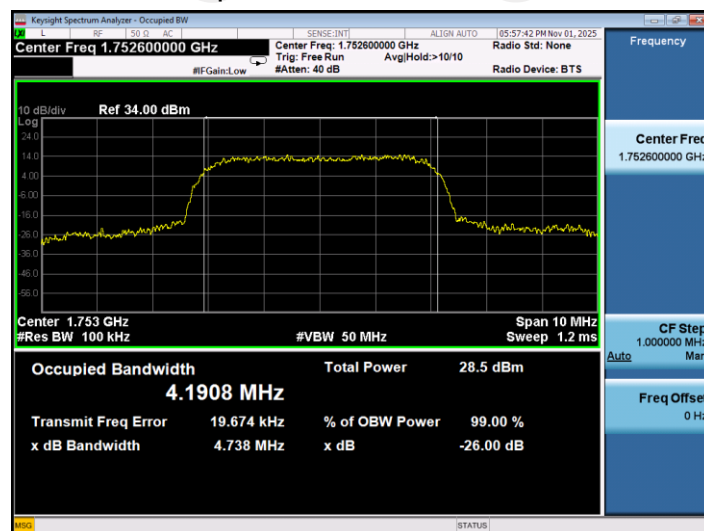
26dB&99% Occupied Bandwidth Plot on Channel 1312



26dB&99% Occupied Bandwidth Plot on Channel 1413



26dB&99% Occupied Bandwidth Plot on Channel 1513



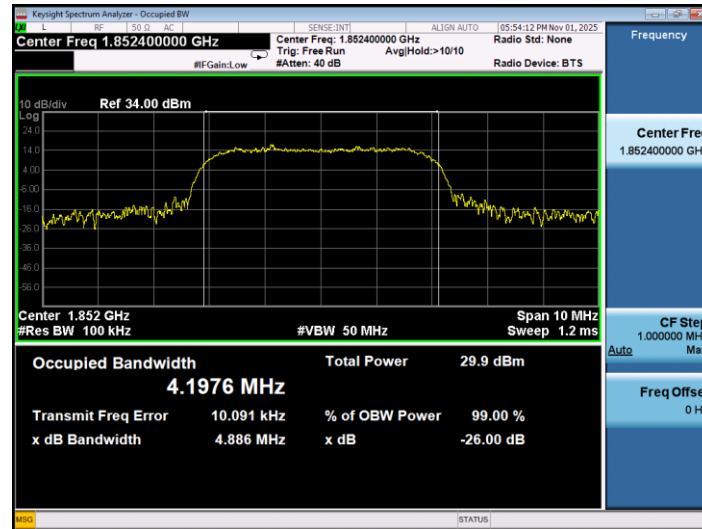
Band:

WCDMA Band II

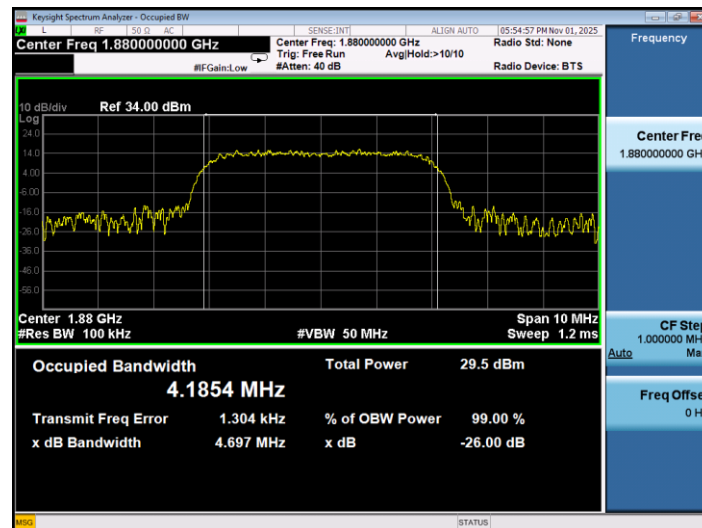
Test Mode:

HSDPA

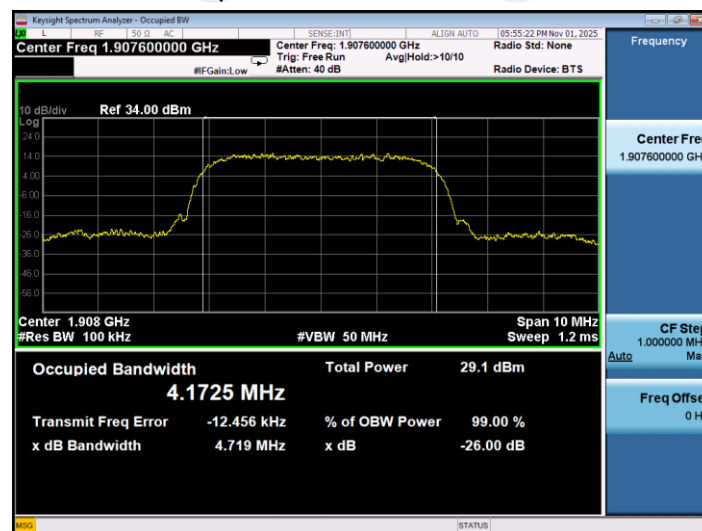
26dB&99% Occupied Bandwidth Plot on Channel 9262



26dB&99% Occupied Bandwidth Plot on Channel 9400



26dB&99% Occupied Bandwidth Plot on Channel 9538



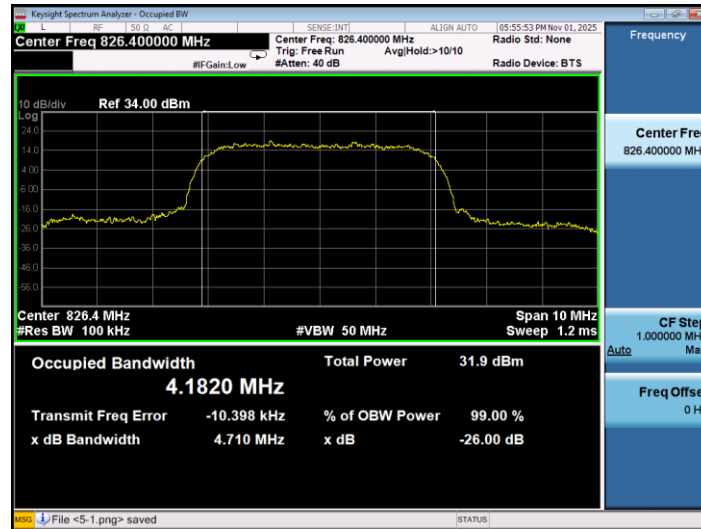
Band:

WCDMA Band V

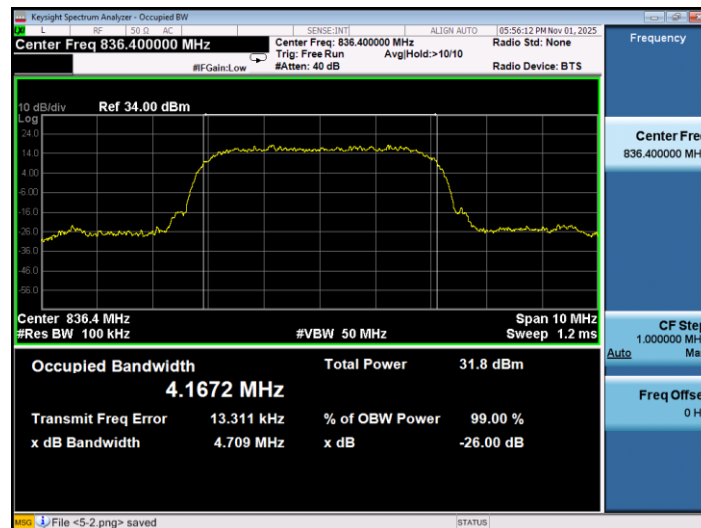
Test Mode:

HSUPA

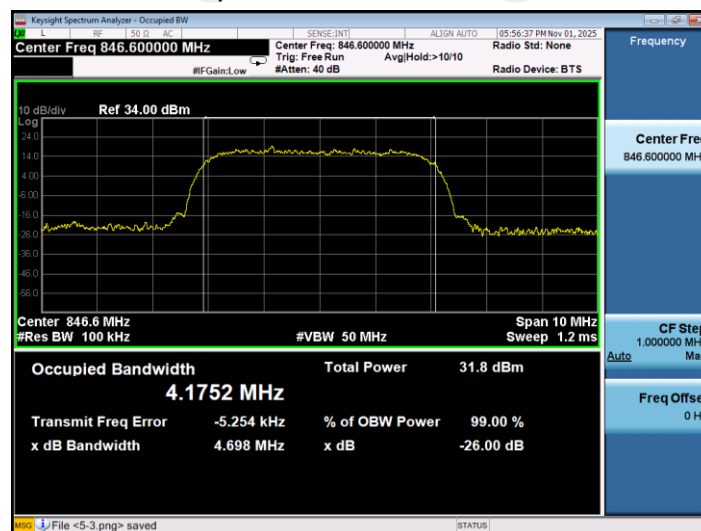
26dB&99% Occupied Bandwidth Plot on Channel 4132



26dB&99% Occupied Bandwidth Plot on Channel 4182

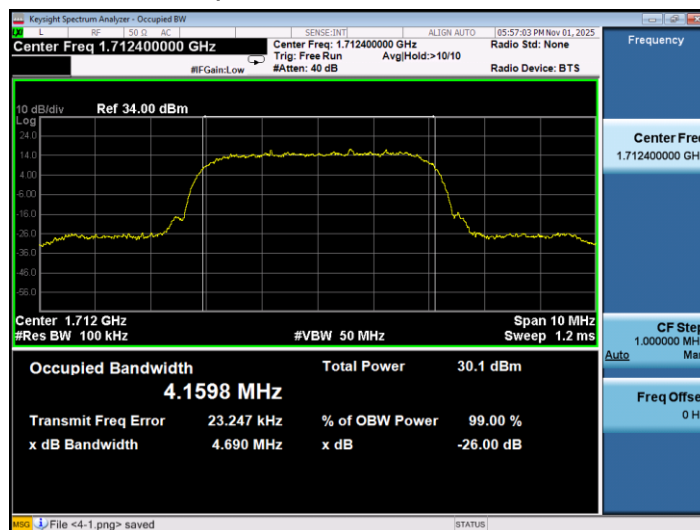


26dB&99% Occupied Bandwidth Plot on Channel 4233

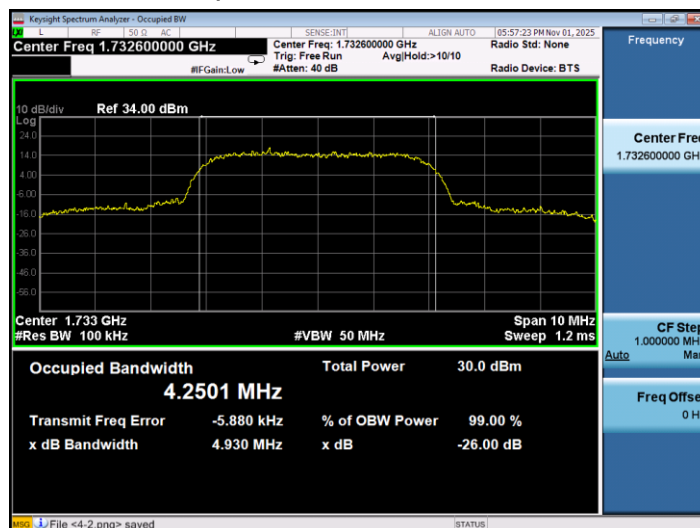


Band:	WCDMA Band IV	Test Mode:	HSUPA
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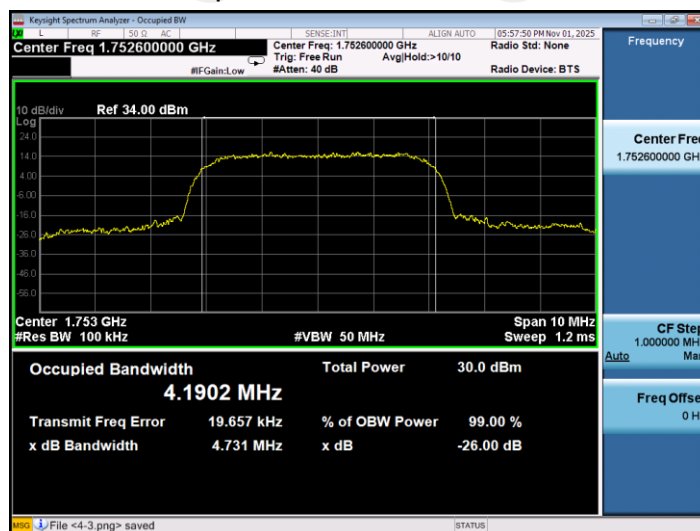
26dB&99% Occupied Bandwidth Plot on Channel 1312



26dB&99% Occupied Bandwidth Plot on Channel 1413



26dB&99% Occupied Bandwidth Plot on Channel 1513



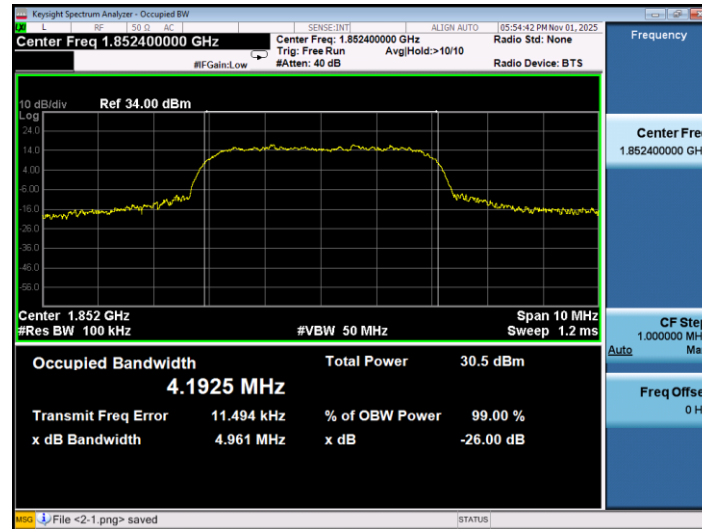
Band:

WCDMA Band II

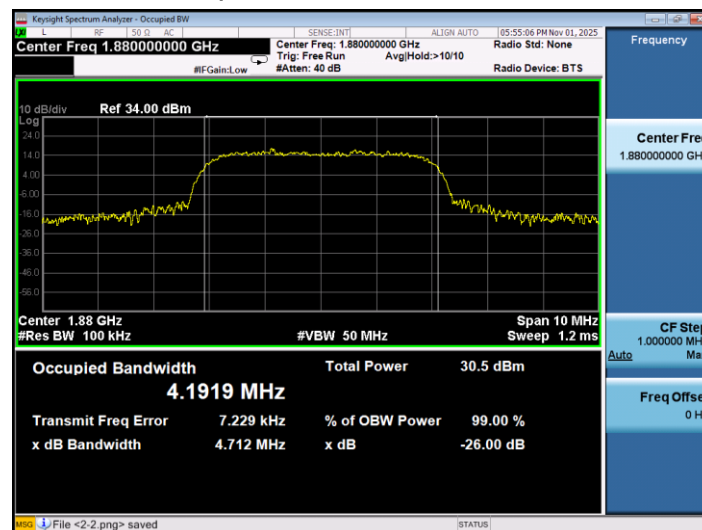
Test Mode:

HSUPA

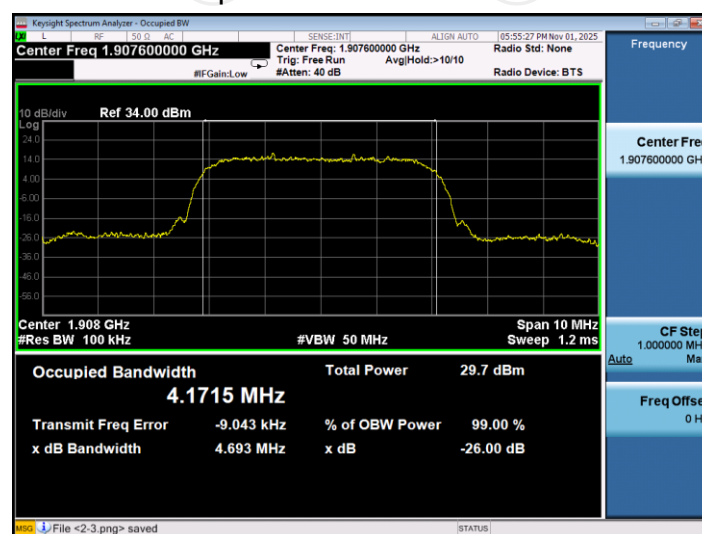
26dB&99% Occupied Bandwidth Plot on Channel 9262



26dB&99% Occupied Bandwidth Plot on Channel 9400

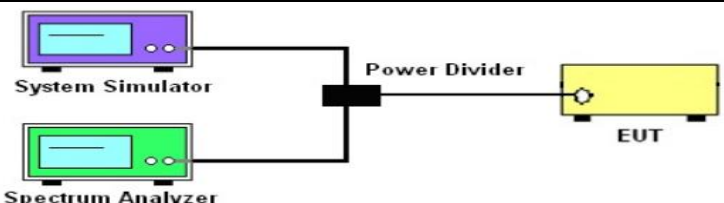


26dB&99% Occupied Bandwidth Plot on Channel 9538



6.4. Band Edge and Conducted Spurious Emission Measurement

6.4.1. Test Specification

Test Requirement:	FCC part22.917(a) and FCC part24.238(a) FCC part27.53(g)
Test Method:	FCC KDB 971168 D01v03r01
Operation mode:	Refer to item 3.1
Limit:	-13dBm
Test Setup:	 The diagram shows a System Simulator (purple box) and a Spectrum Analyzer (green box) connected to a Power Divider (black box). The Power Divider is also connected to the EUT (yellow box).
Test Procedure:	1. The testing follows FCC KDB 971168 D01v03r01 Section 6.0. 2. The EUT was connected to the spectrum analyzer and system simulator via a power divider. 3. The RF output of EUT was connected to the spectrum analyzer by an RF cable. The path loss was compensated to the results for each measurement. 4. The band edges of low and high channels for the highest RF powers were measured. 5. The conducted spurious emission for the whole frequency range was taken. 6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band. 7. The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power $P(\text{Watts}) = P(\text{W}) - [43 + 10\log(P)] \text{ (dB)} = [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)} = -13\text{dBm}.$
Test Result:	PASS

6.4.2. Test Instruments

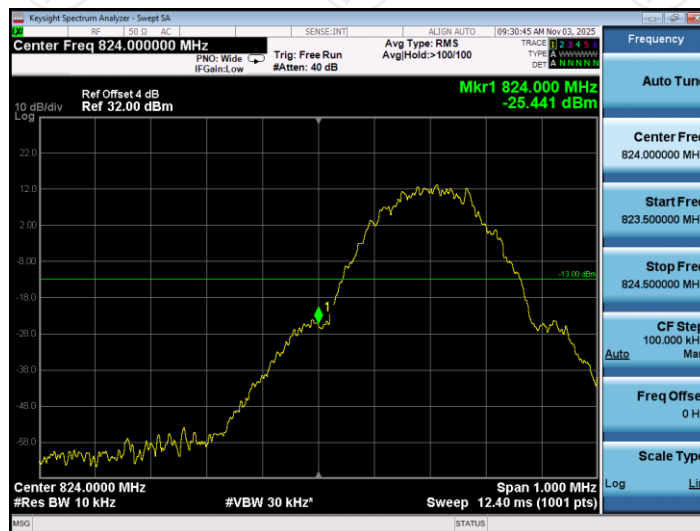
Equipment	Manufacturer	Model	Serial Number	Date of Cal.	Due Date
System simulator	R&S	CMU200	110188	Jun. 26, 2025	Jun. 25, 2026
Spectrum Analyzer	Keysight	N9020A	MY49100619	Jan. 21, 2025	Jan. 20, 2026
Power detector box	MWRFTest	MW100-RFCB	MW210531TCT	Jan. 21, 2025	Jan. 20, 2026

6.4.3. Test data

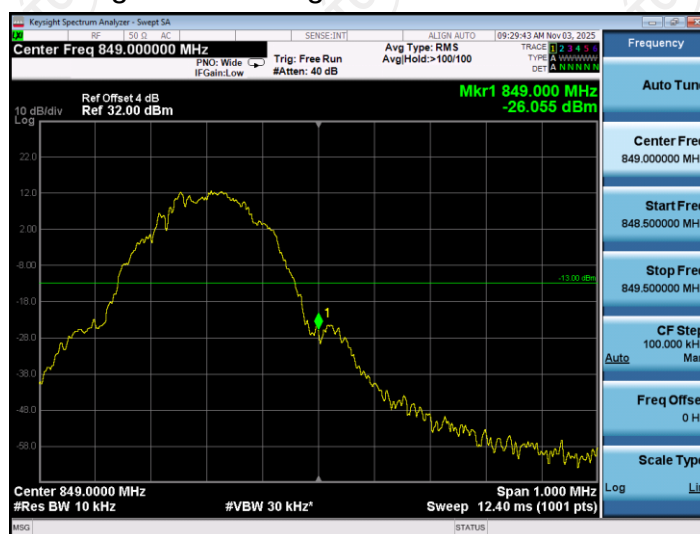
Test plots as follows:

Band:	GSM 850	Test Mode:	GSM Link (GMSK)
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Lower Band Edge Plot on Channel 128



Higher Band Edge Plot on Channel 251

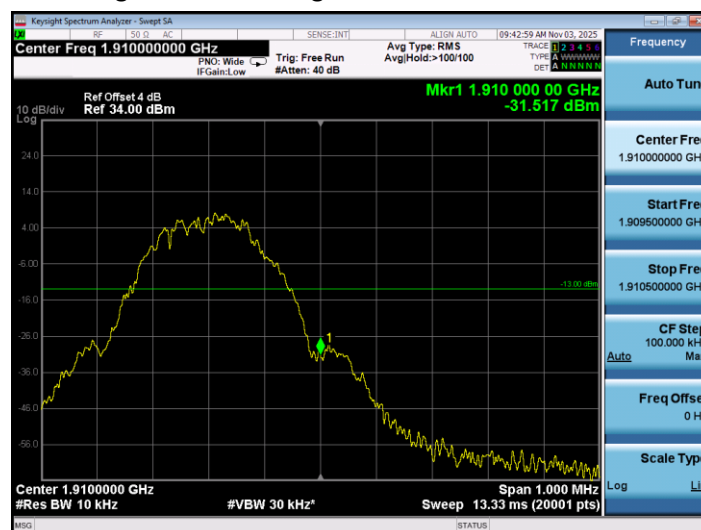


Band:	GSM 1900	Test Mode:	GSM Link (GMSK)
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Lower Band Edge Plot on Channel 512



Higher Band Edge Plot on Channel 810

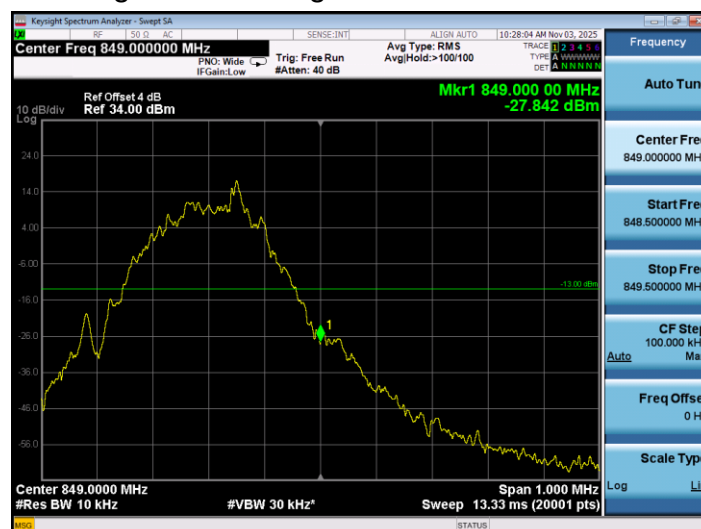


Band:	EGPRS 850	Test Mode:	GSM Link (GMSK)
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Lower Band Edge Plot on Channel 128



Higher Band Edge Plot on Channel 251



Band:	EGPRS 1900	Test Mode:	GSM Link (GMSK)
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Lower Band Edge Plot on Channel 512

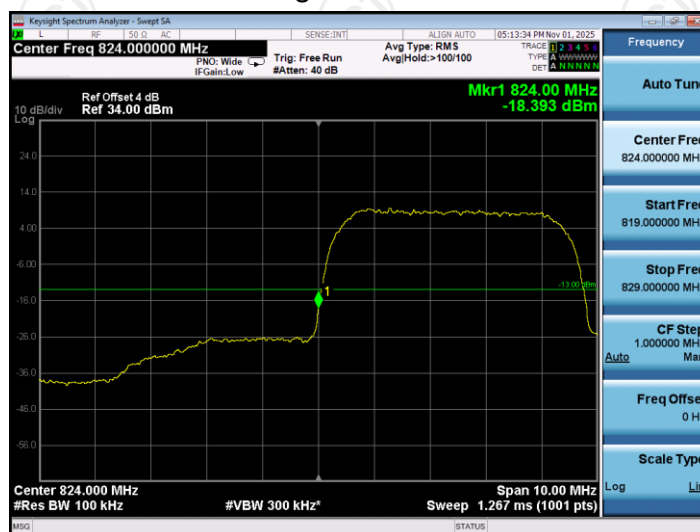


Higher Band Edge Plot on Channel 810



Band:	WCDMA Band V	Test Mode:	RMC 12.2Kbps Link (QPSK)
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Lower Band Edge Plot on Channel 4132

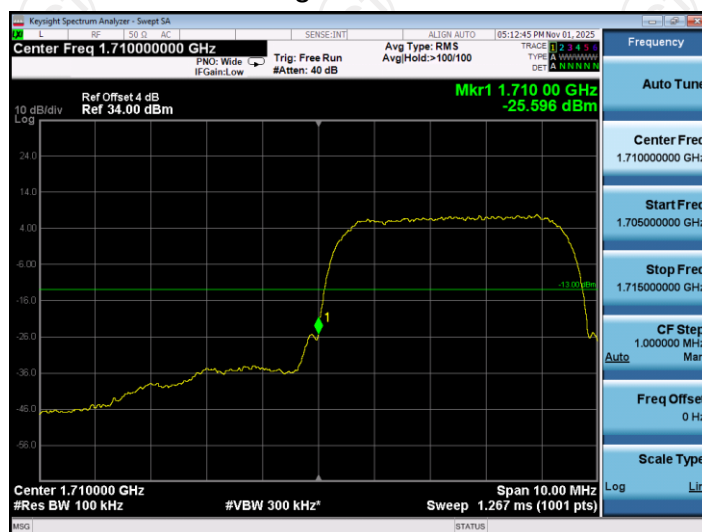


Higher Band Edge Plot on Channel 4233



Band:	WCDMA Band IV	Test Mode:	RMC 12.2Kbps Link (QPSK)
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Lower Band Edge Plot on Channel 1312

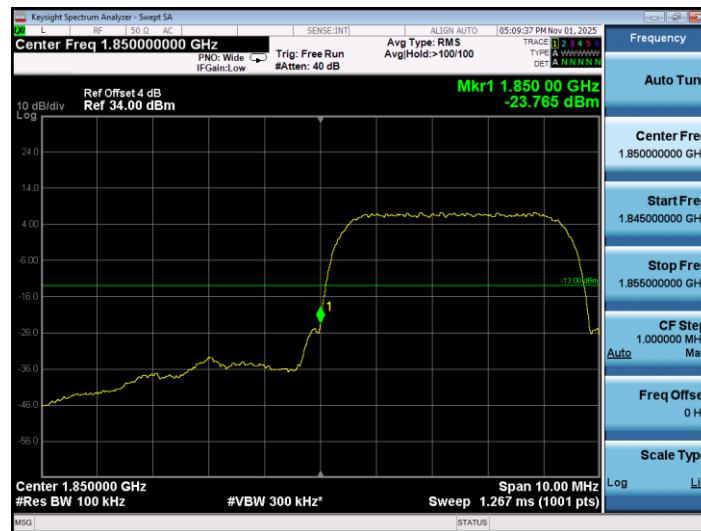


Higher Band Edge Plot on Channel 1513



Band:	WCDMA Band II	Test Mode:	RMC 12.2Kbps Link (QPSK)
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Lower Band Edge Plot on Channel 9262



Higher Band Edge Plot on Channel 9538



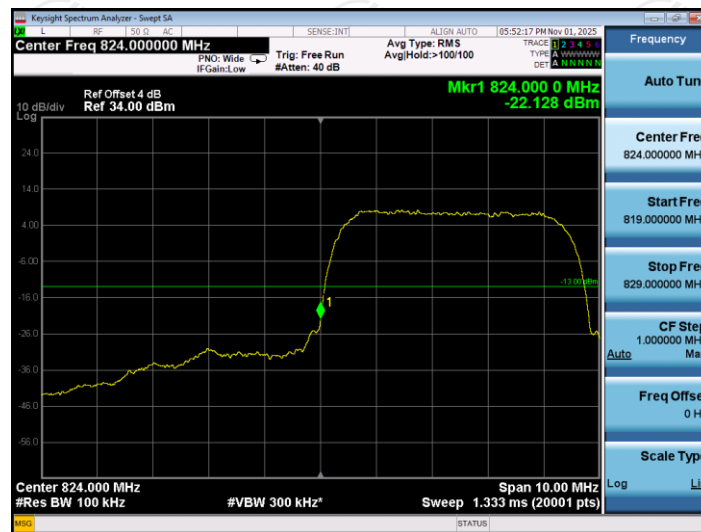
Band:

WCDMA Band V

Test Mode:

HSDPA

Lower Band Edge Plot on Channel 4132

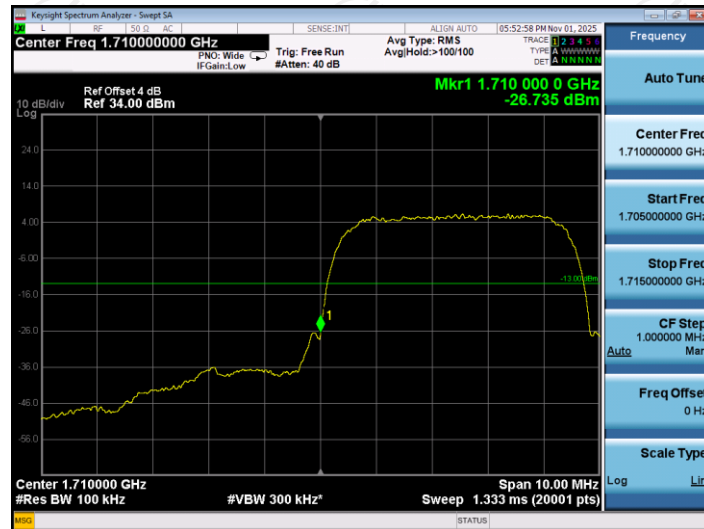


Higher Band Edge Plot on Channel 4233



Band:	WCDMA Band IV	Test Mode:	HSDPA
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Lower Band Edge Plot on Channel 1312



Higher Band Edge Plot on Channel 1513



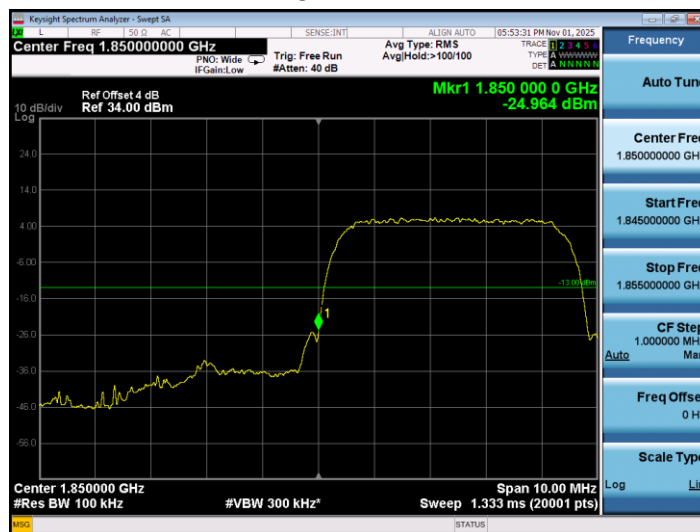
Band:

WCDMA Band II

Test Mode:

HSDPA

Lower Band Edge Plot on Channel 9262



Higher Band Edge Plot on Channel 9538



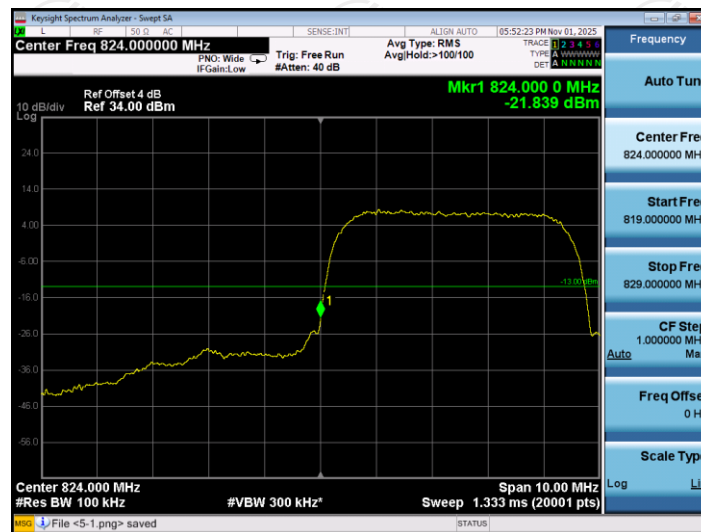
Band:

WCDMA Band V

Test Mode:

HSUPA

Lower Band Edge Plot on Channel 4132



Higher Band Edge Plot on Channel 4233

