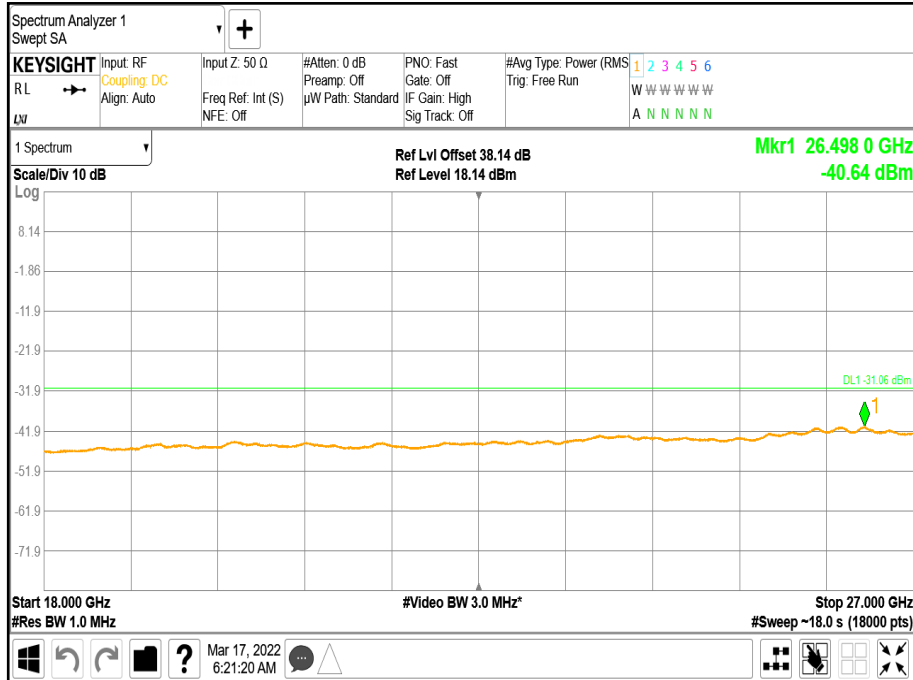
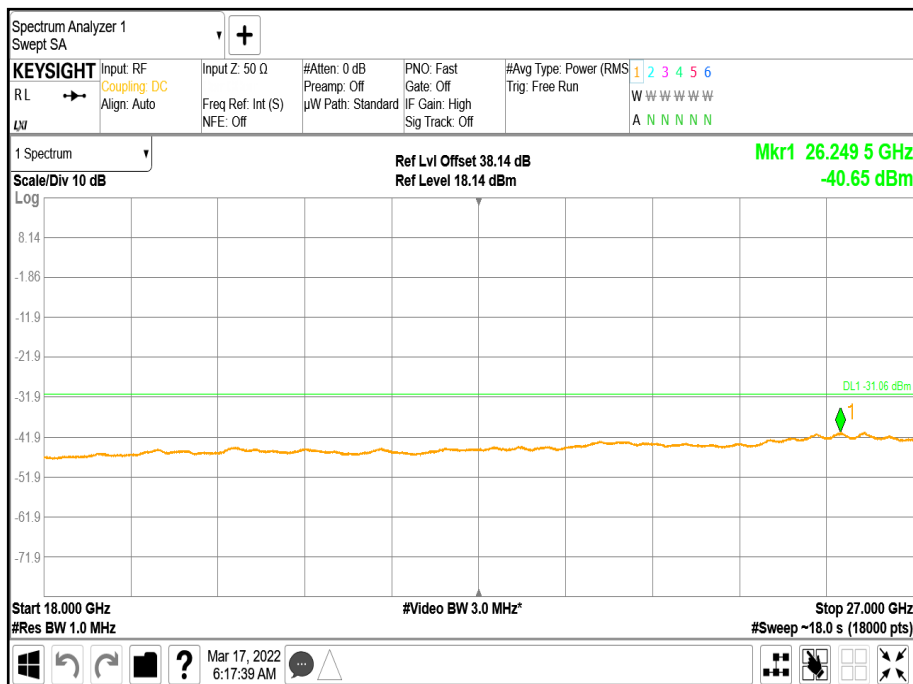




Antenna 59 - NR Modulation 16QAM - NR Carrier Bandwidth 60.0 MHz 30 kHz SCS - Channel Position M - Band 4 - Range 18000 to 27000 MHz

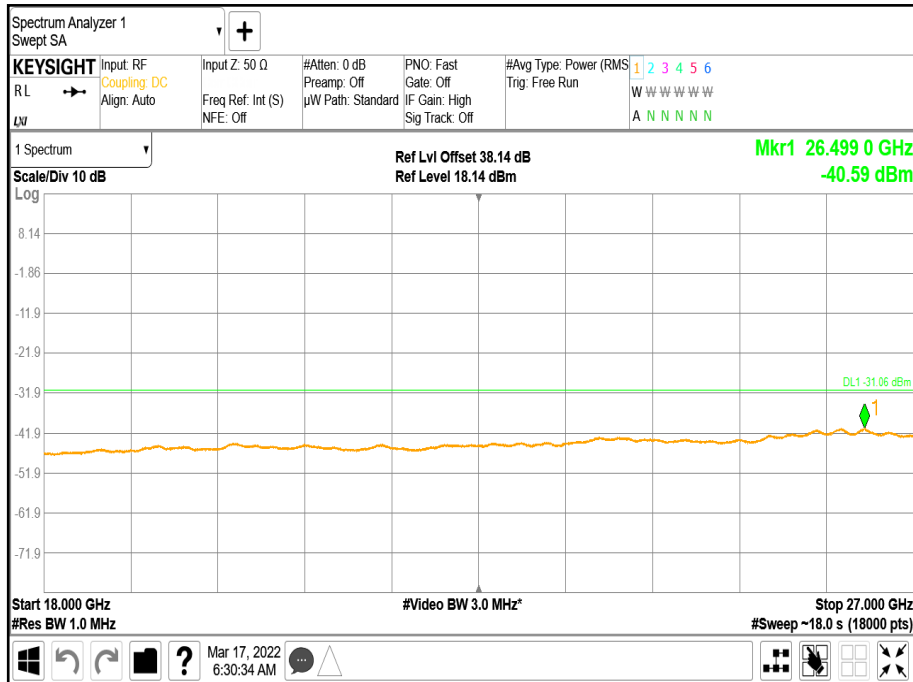


Antenna 59 - NR Modulation 16QAM - NR Carrier Bandwidth 60.0 MHz 30 kHz SCS - Channel Position T - Band 4 - Range 18000 to 27000 MHz

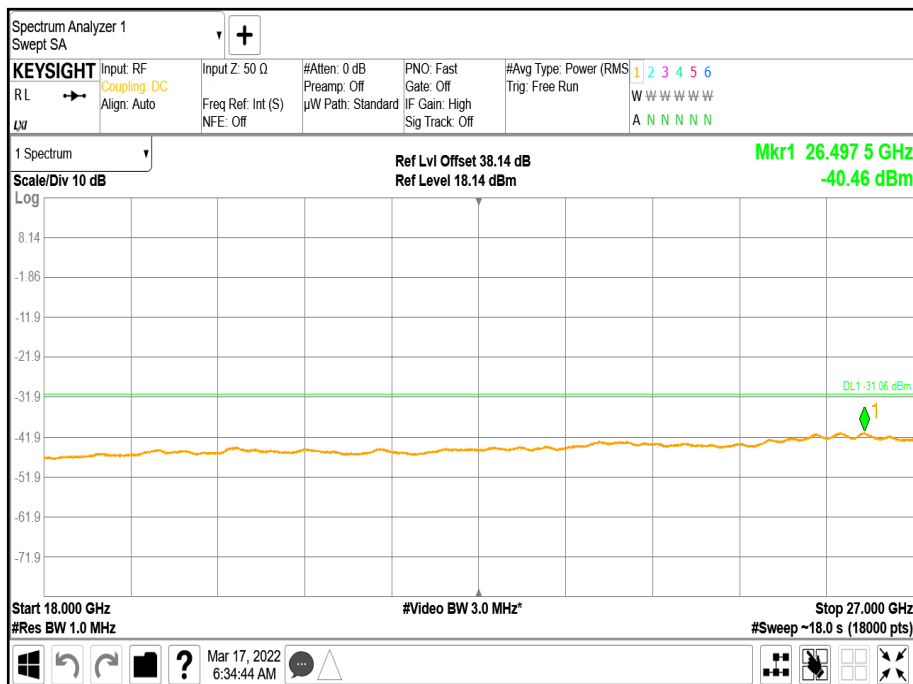




Antenna 59 - NR Modulation 16QAM - NR Carrier Bandwidth 70.0 MHz 30 kHz SCS - Channel Position B - Band 4 - Range 18000 to 27000 MHz

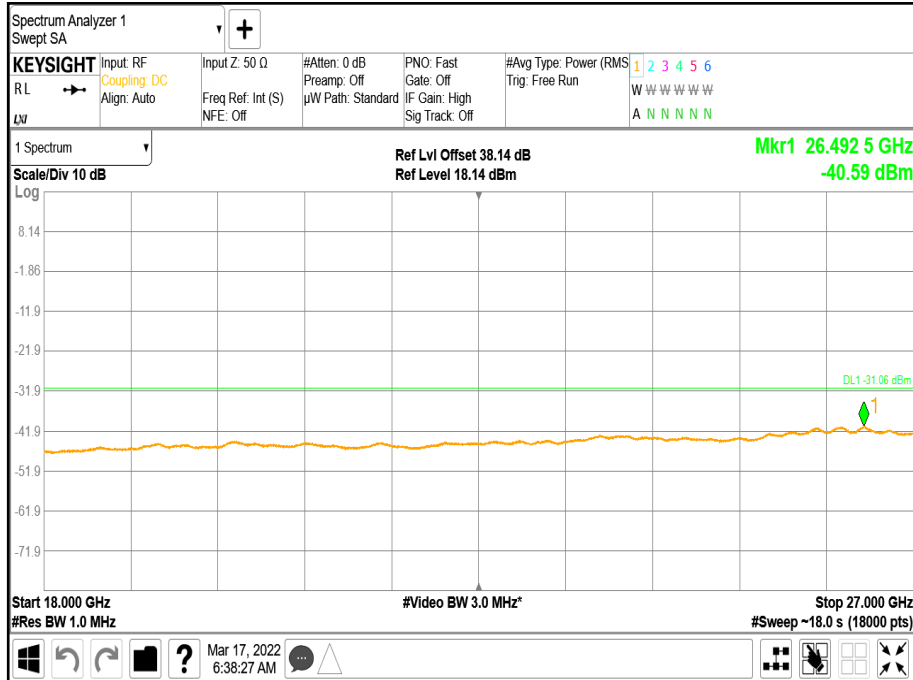


Antenna 59 - NR Modulation 16QAM - NR Carrier Bandwidth 70.0 MHz 30 kHz SCS - Channel Position M - Band 4 - Range 18000 to 27000 MHz

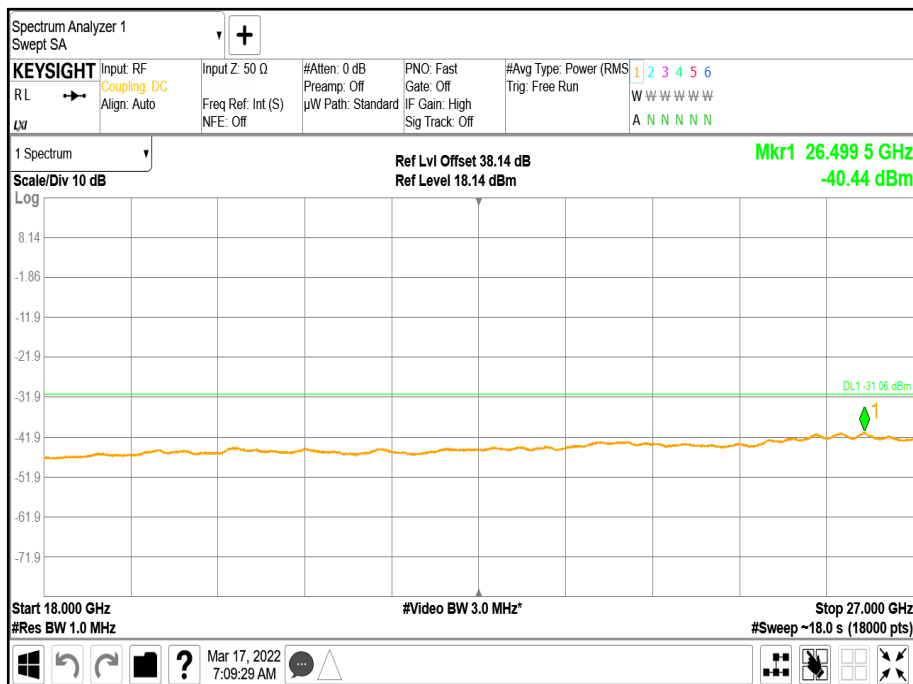




Antenna 59 - NR Modulation 16QAM - NR Carrier Bandwidth 70.0 MHz 30 kHz SCS - Channel Position T - Band 4 - Range 18000 to 27000 MHz

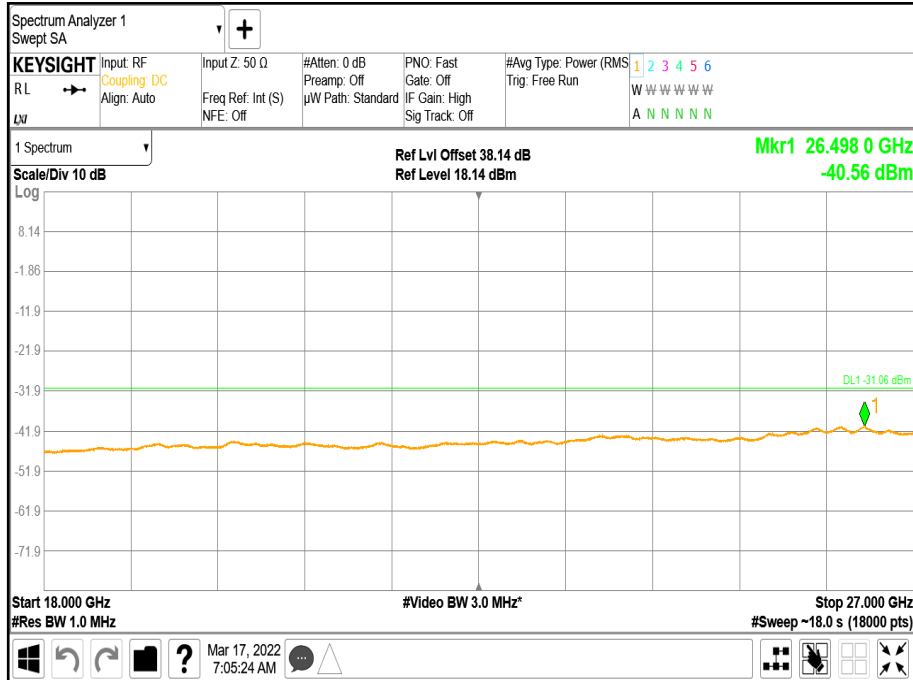


Antenna 59 - NR Modulation 16QAM - NR Carrier Bandwidth 80.0 MHz 30 kHz SCS - Channel Position B - Band 4 - Range 18000 to 27000 MHz

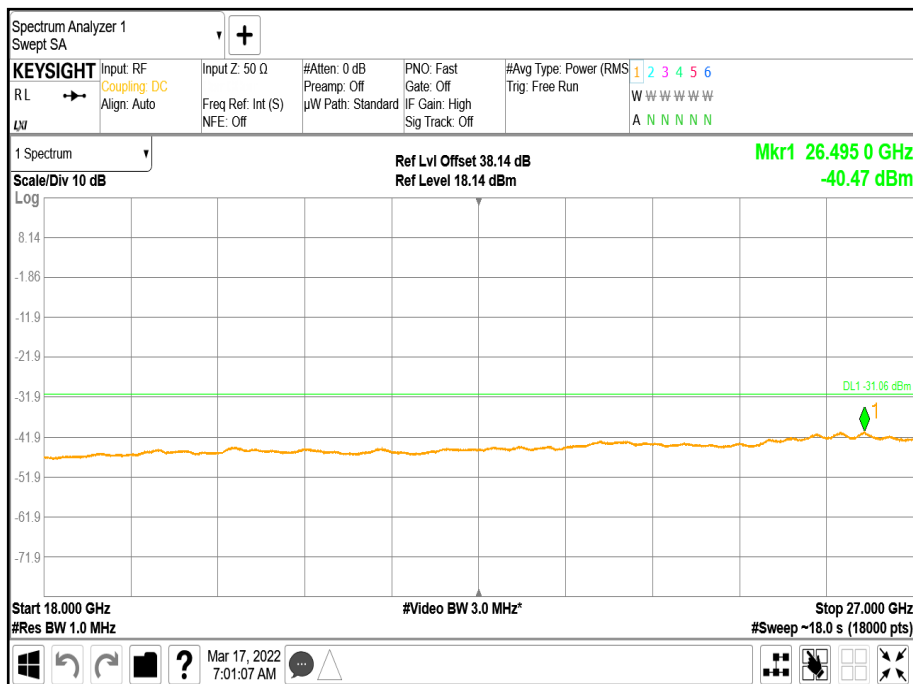




Antenna 59 - NR Modulation 16QAM - NR Carrier Bandwidth 80.0 MHz 30 kHz SCS - Channel Position M - Band 4 - Range 18000 to 27000 MHz

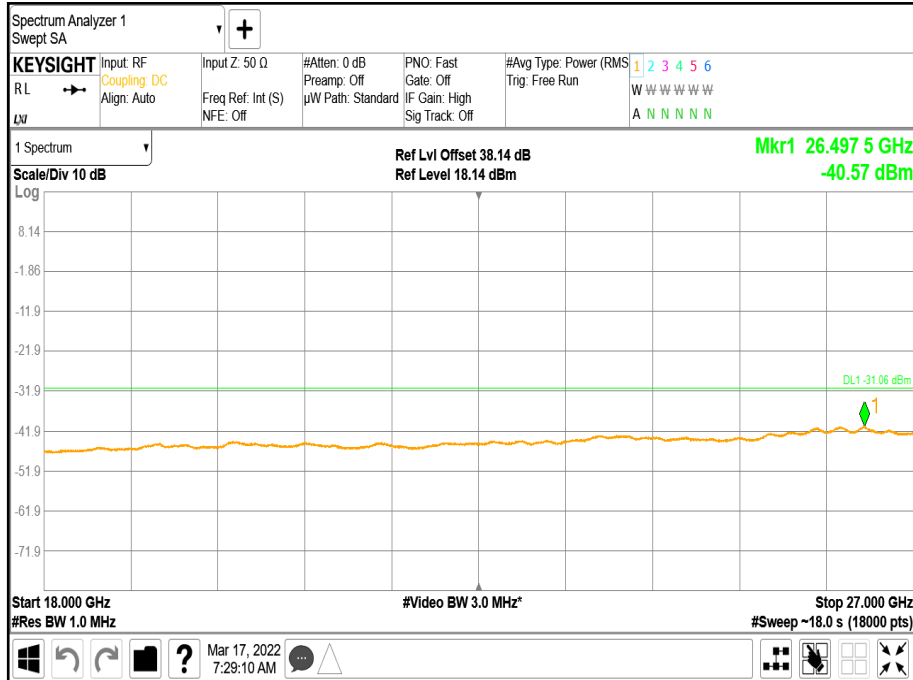


Antenna 59 - NR Modulation 16QAM - NR Carrier Bandwidth 80.0 MHz 30 kHz SCS - Channel Position T - Band 4 - Range 18000 to 27000 MHz

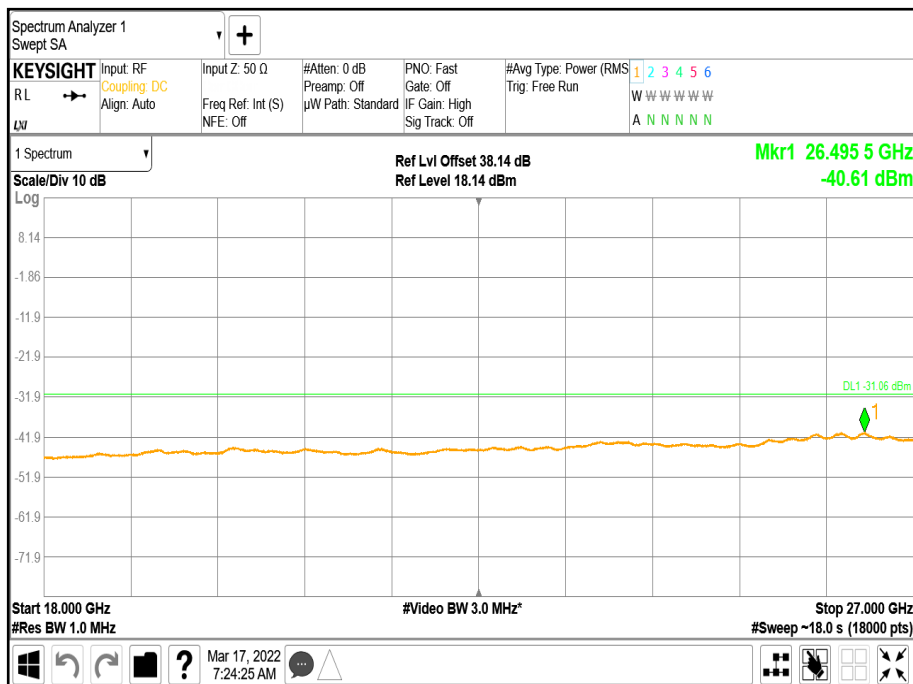




Antenna 59 - NR Modulation 16QAM - NR Carrier Bandwidth 90.0 MHz 30 kHz SCS - Channel Position B - Band 4 - Range 18000 to 27000 MHz

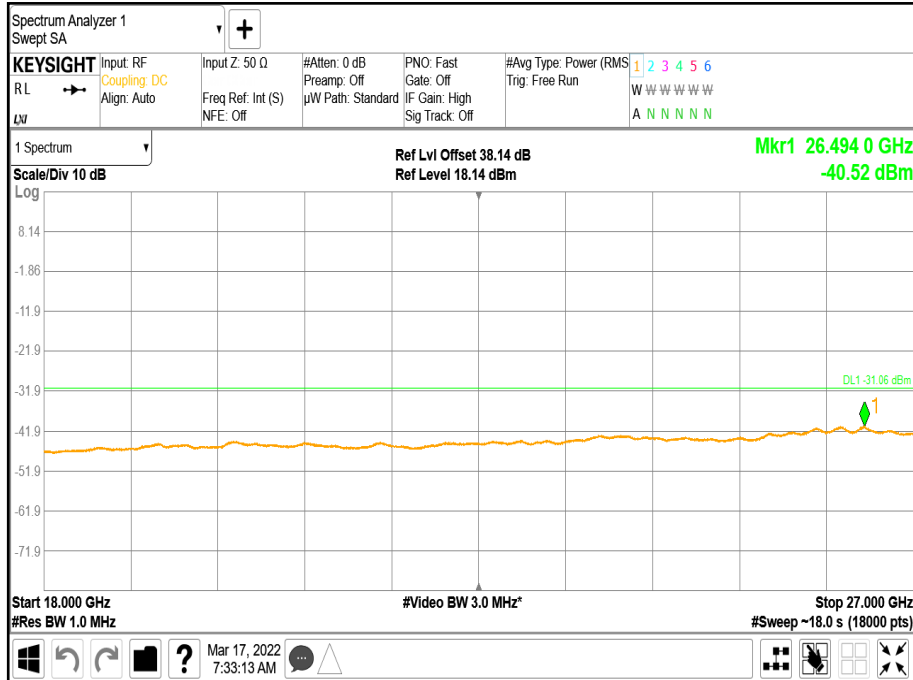


Antenna 59 - NR Modulation 16QAM - NR Carrier Bandwidth 90.0 MHz 30 kHz SCS - Channel Position M - Band 4 - Range 18000 to 27000 MHz

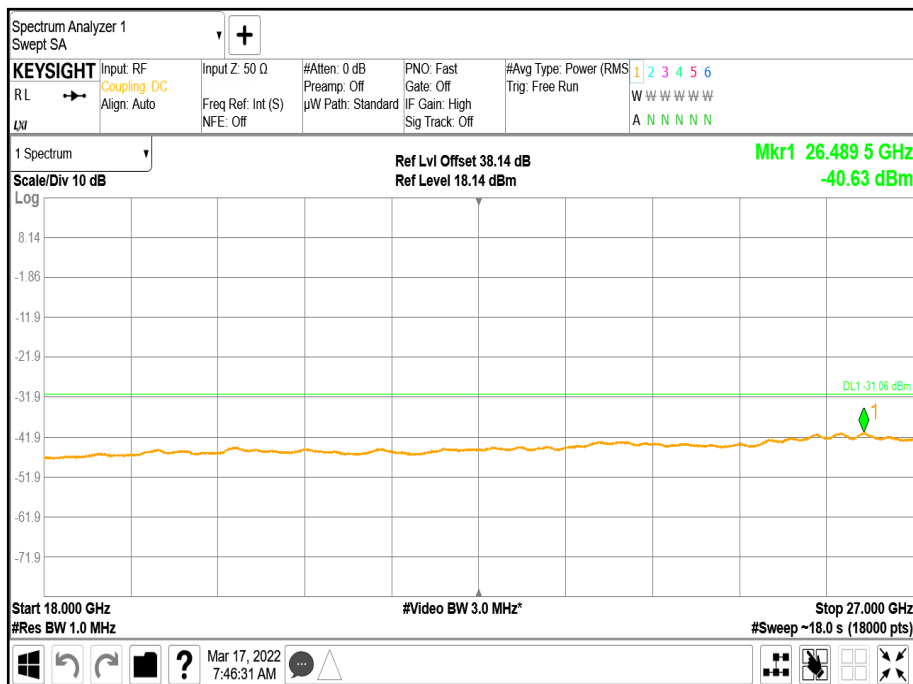




Antenna 59 - NR Modulation 16QAM - NR Carrier Bandwidth 90.0 MHz 30 kHz SCS - Channel Position T - Band 4 - Range 18000 to 27000 MHz

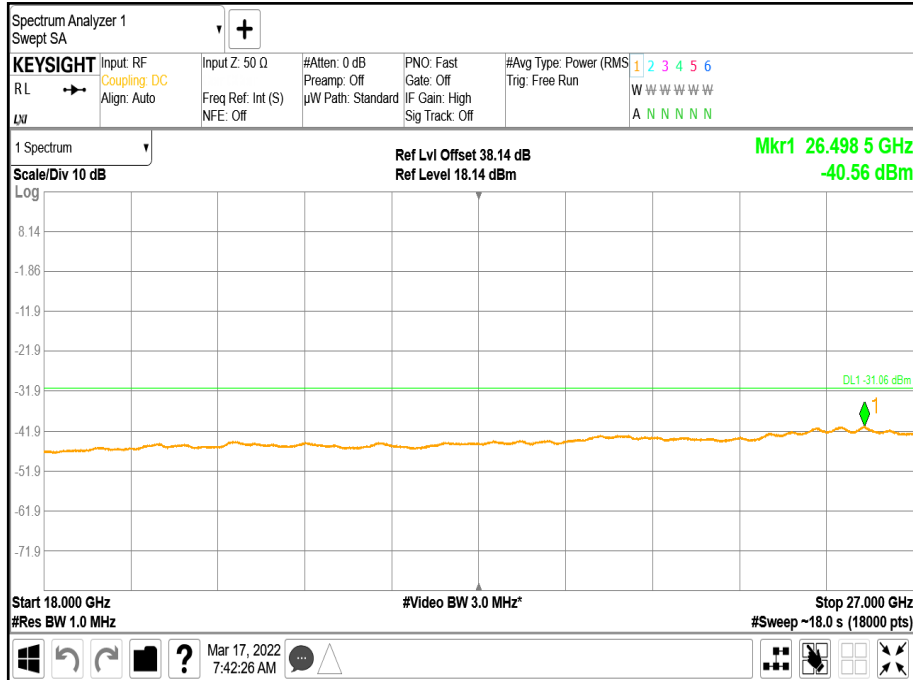


Antenna 59 - NR Modulation 16QAM - NR Carrier Bandwidth 100.0 MHz 30 kHz SCS - Channel Position B - Band 4 - Range 18000 to 27000 MHz

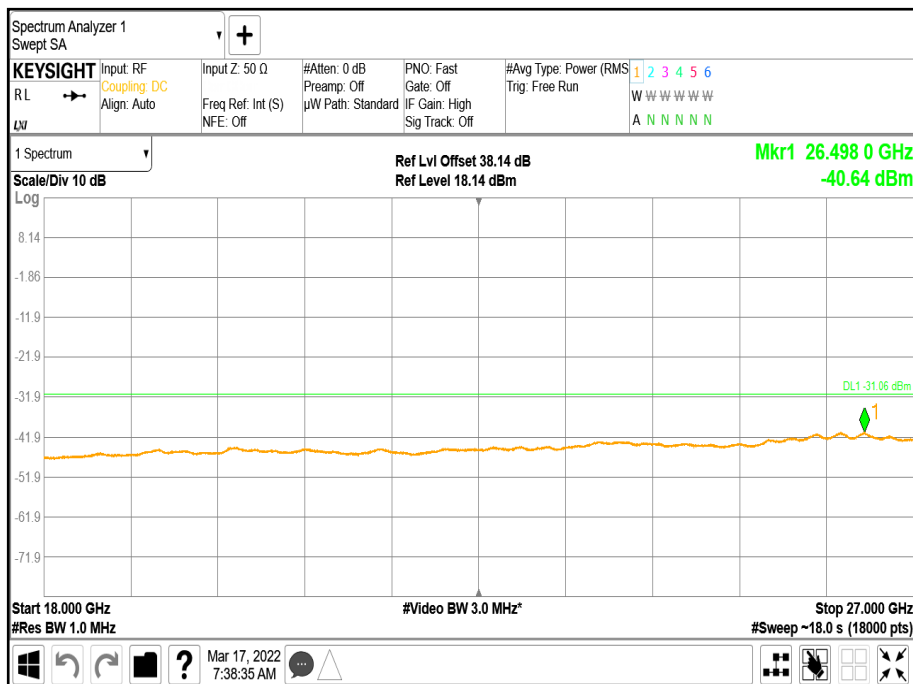




Antenna 59 - NR Modulation 16QAM - NR Carrier Bandwidth 100.0 MHz 30 kHz SCS - Channel Position M - Band 4 - Range 18000 to 27000 MHz



Antenna 59 - NR Modulation 16QAM - NR Carrier Bandwidth 100.0 MHz 30 kHz SCS - Channel Position T - Band 4 - Range 18000 to 27000 MHz

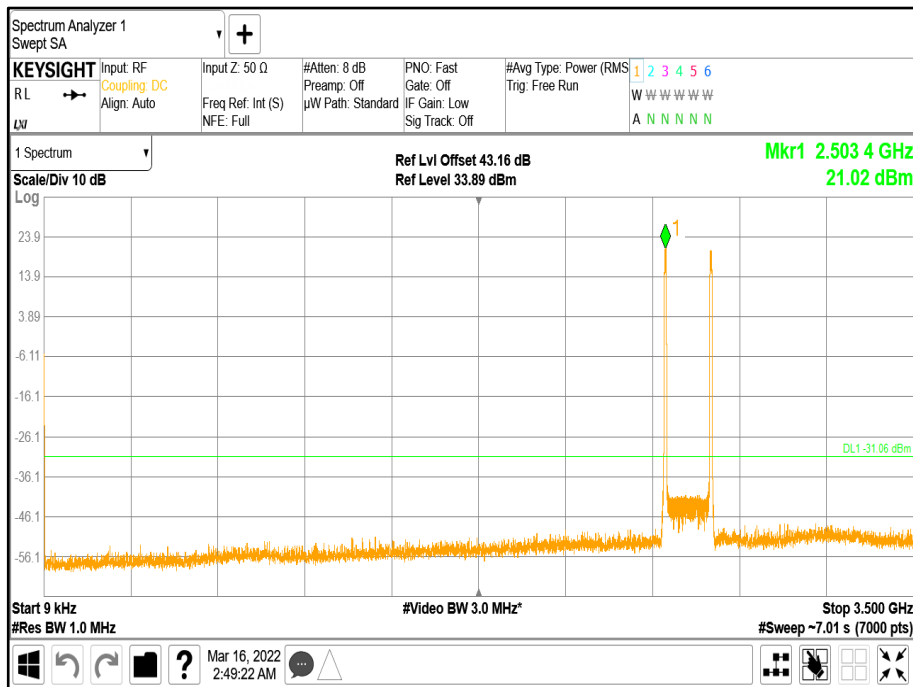




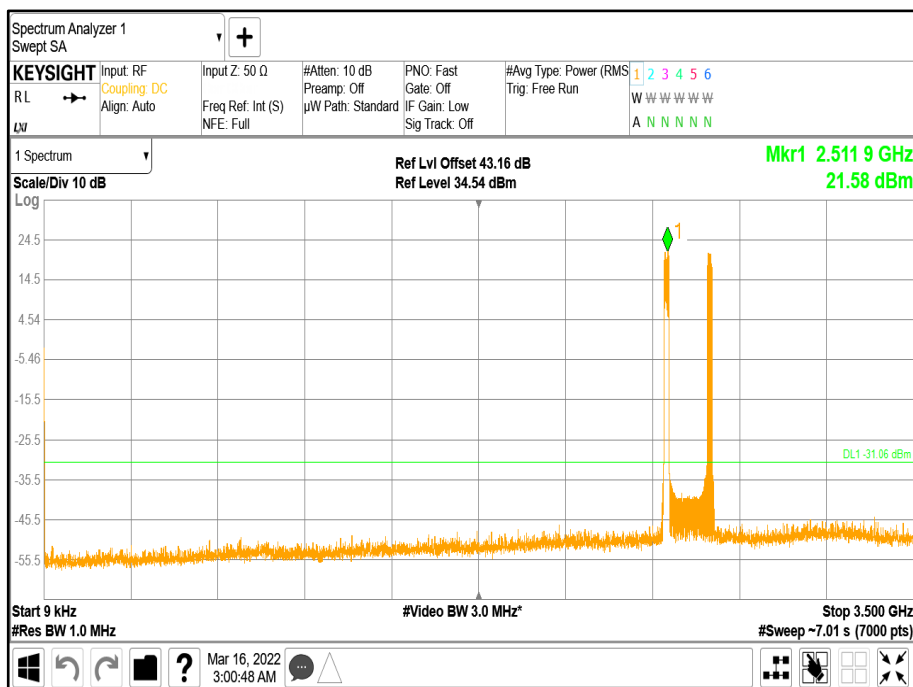
### Configuration 2

Maximum Output Power per Carrier 2x 29.72, 2x 30.97, 2x 32.73, 7 x (2x 33.98) dBm

Antenna 59 - NR Modulation 16QAM - NR Carrier Bandwidth 10.0 MHz 30 kHz SCS - Channel Position M - Band 1 - Range 0.009 to 3500 MHz



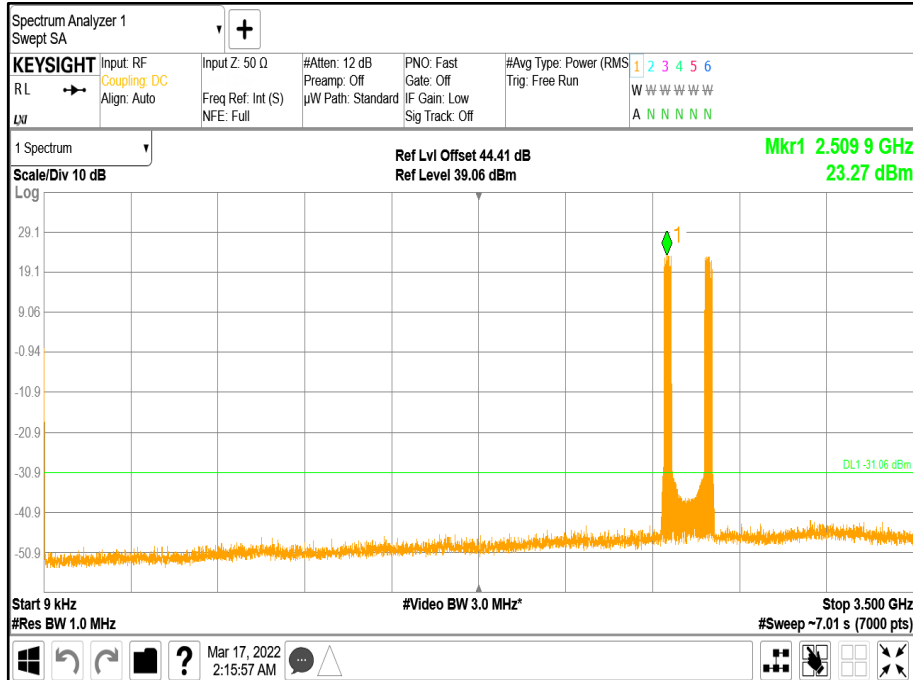
Antenna 59 - NR Modulation 16QAM - NR Carrier Bandwidth 20.0 MHz 30 kHz SCS - Channel Position M - Band 1 - Range 0.009 to 3500 MHz



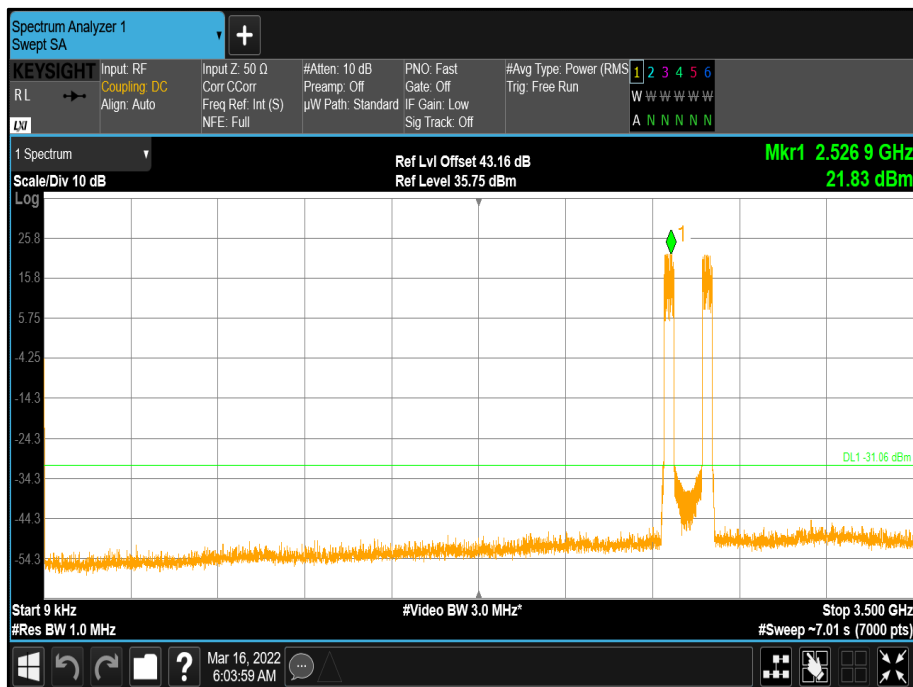




Antenna 59 - NR Modulation 16QAM - NR Carrier Bandwidth 30.0 MHz 30 kHz SCS - Channel Position M - Band 1 - Range 0.009 to 3500 MHz

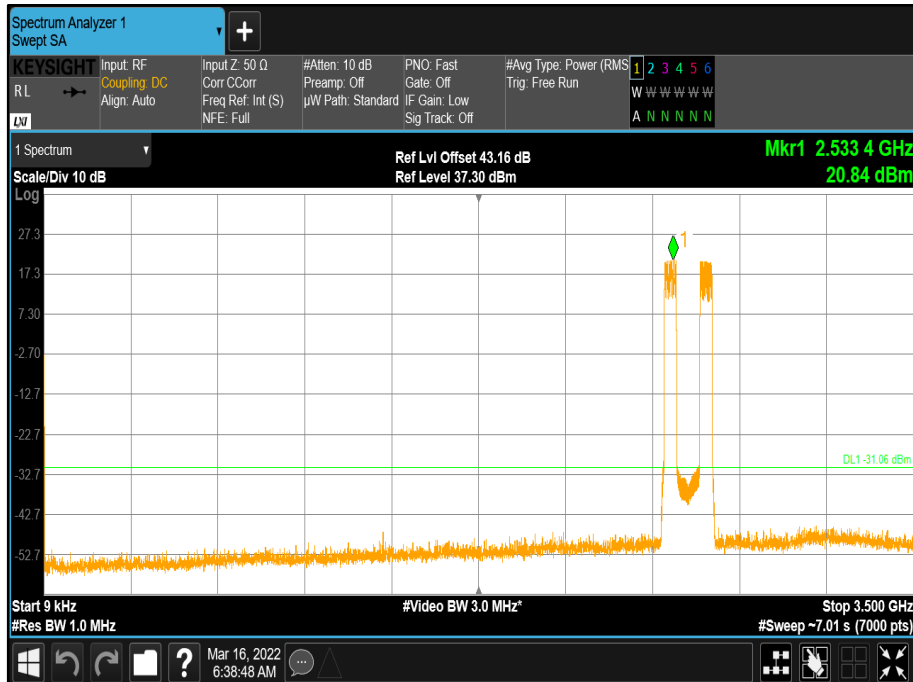


Antenna 59 - NR Modulation 16QAM - NR Carrier Bandwidth 40.0 MHz 30 kHz SCS - Channel Position M - Band 1 - Range 0.009 to 3500 MHz

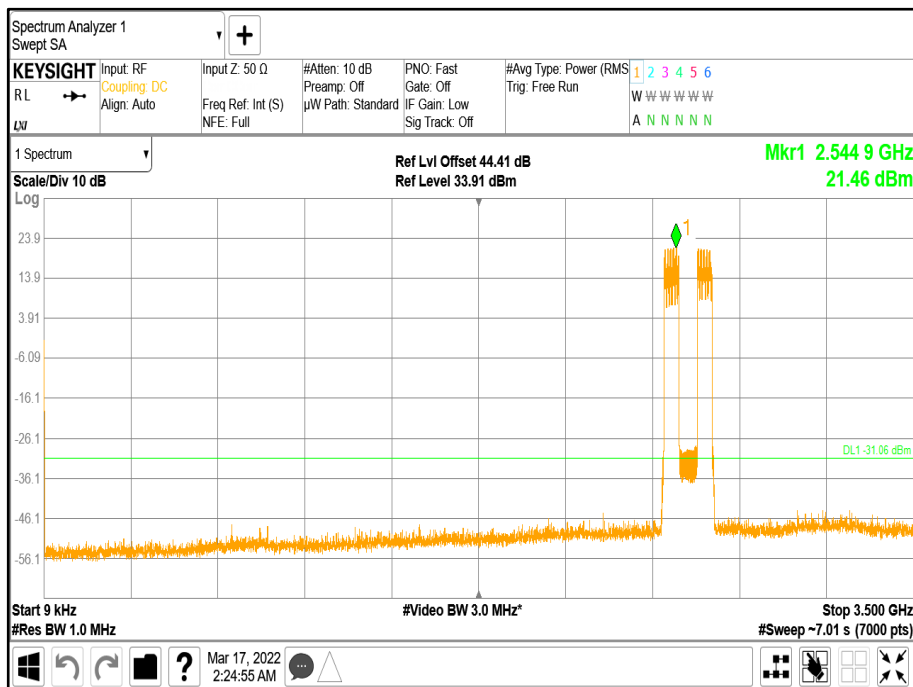




Antenna 59 - NR Modulation 16QAM - NR Carrier Bandwidth 50.0 MHz 30 kHz SCS - Channel Position M - Band 1 - Range 0.009 to 3500 MHz

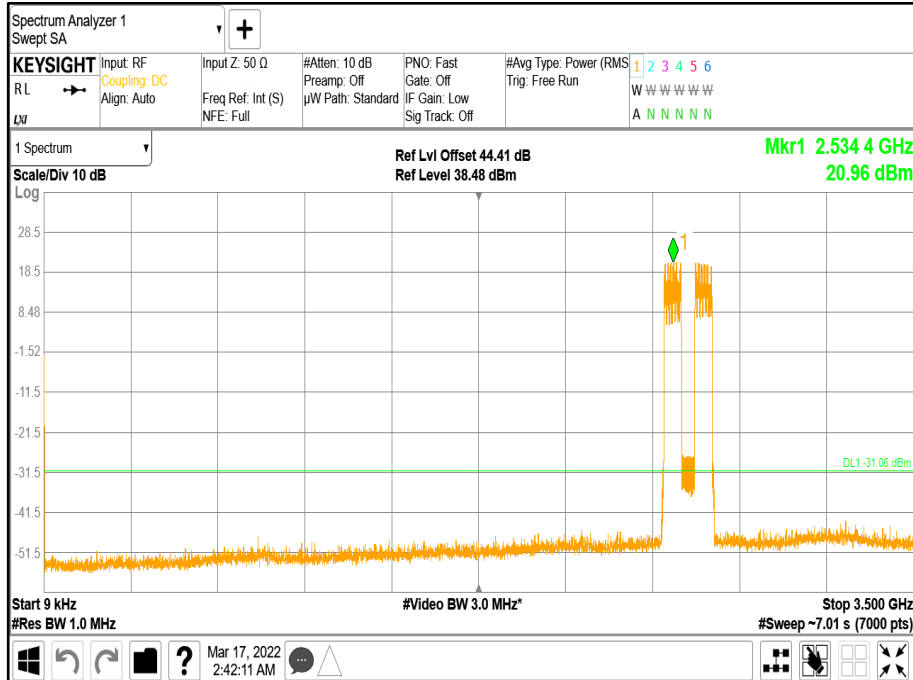


Antenna 59 - NR Modulation 16QAM - NR Carrier Bandwidth 60.0 MHz 30 kHz SCS - Channel Position M - Band 1 - Range 0.009 to 3500 MHz

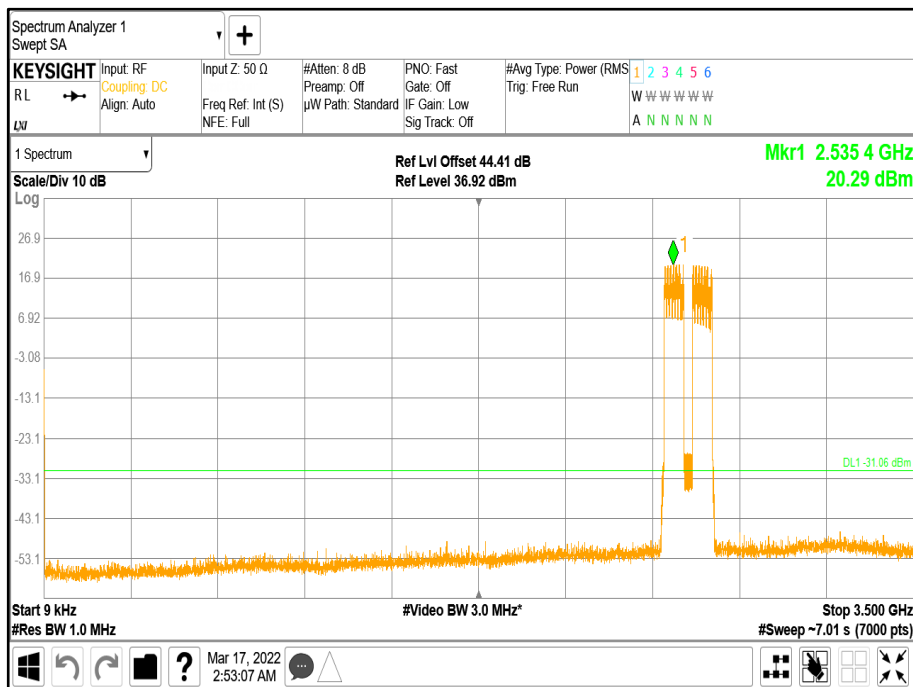




Antenna 59 - NR Modulation 16QAM - NR Carrier Bandwidth 70.0 MHz 30 kHz SCS - Channel Position M - Band 1 - Range 0.009 to 3500 MHz

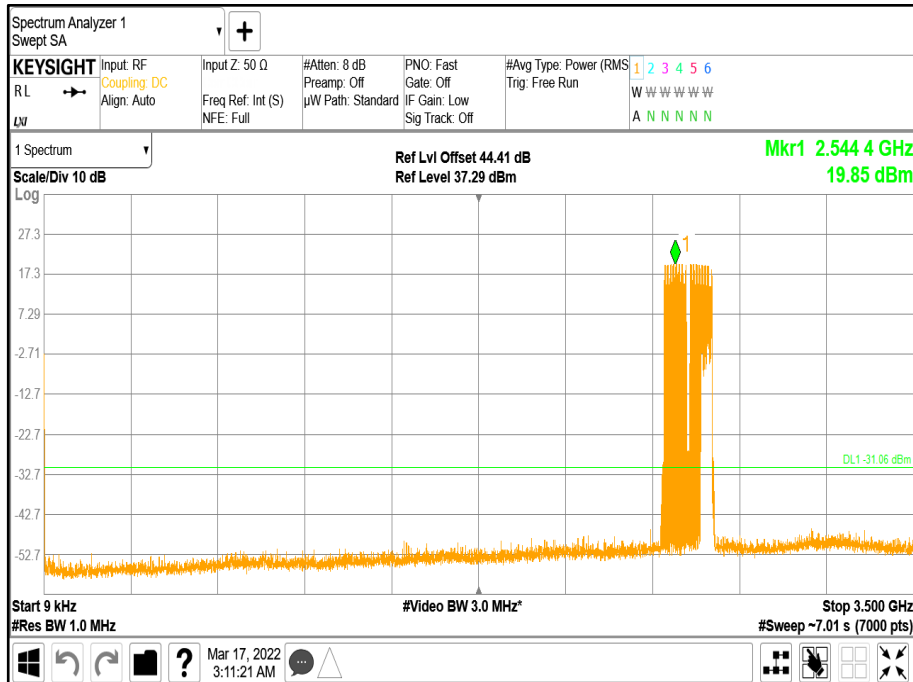


Antenna 59 - NR Modulation 16QAM - NR Carrier Bandwidth 80.0 MHz 30 kHz SCS - Channel Position M - Band 1 - Range 0.009 to 3500 MHz

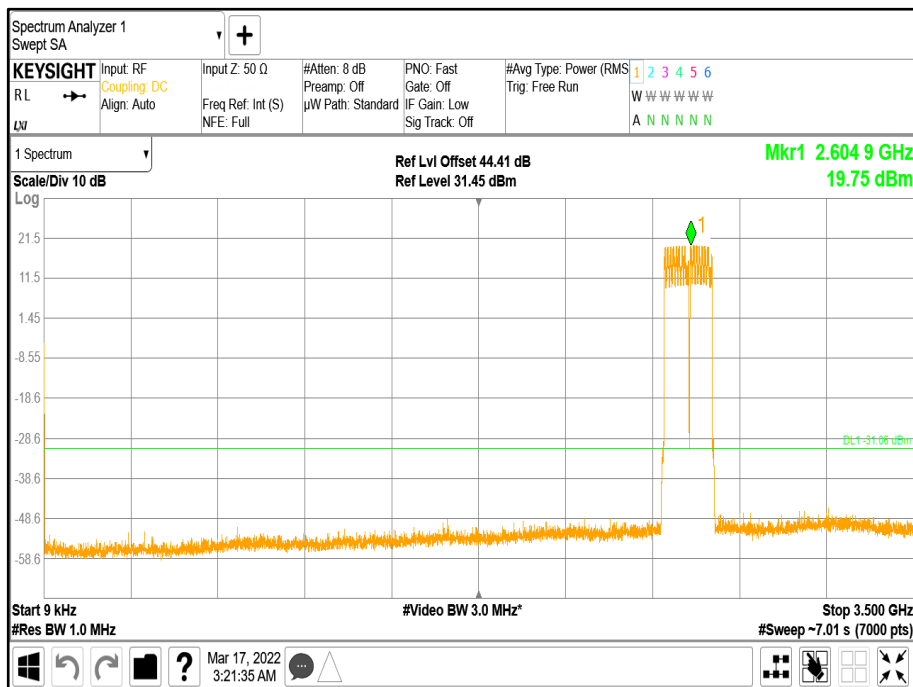




Antenna 59 - NR Modulation 16QAM - NR Carrier Bandwidth 90.0 MHz 30 kHz SCS - Channel Position M - Band 1 - Range 0.009 to 3500 MHz

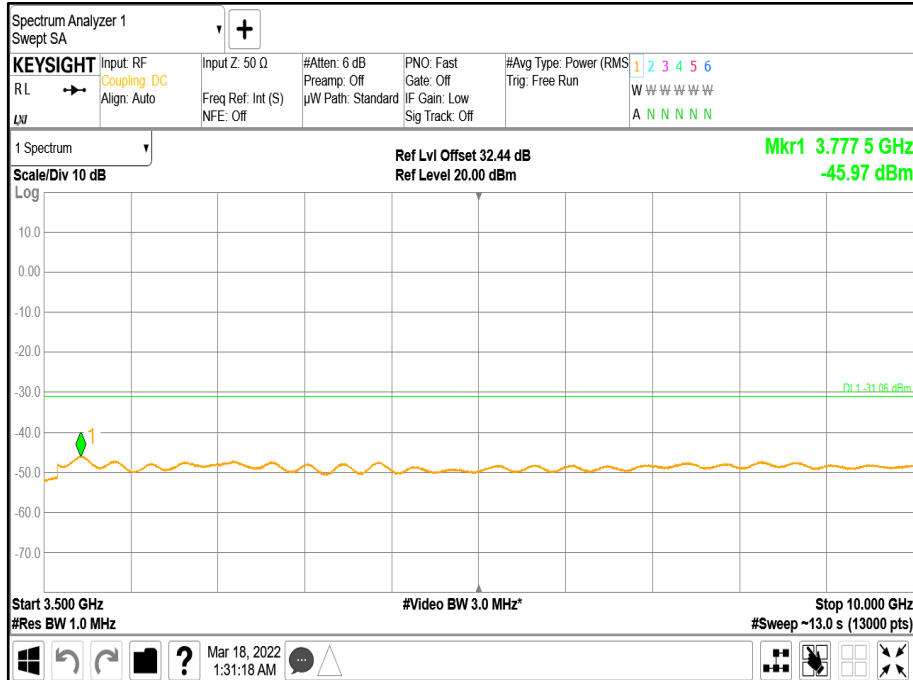


Antenna 59 - NR Modulation 16QAM - NR Carrier Bandwidth 100.0 MHz 30 kHz SCS - Channel Position M - Band 1 - Range 0.009 to 3500 MHz

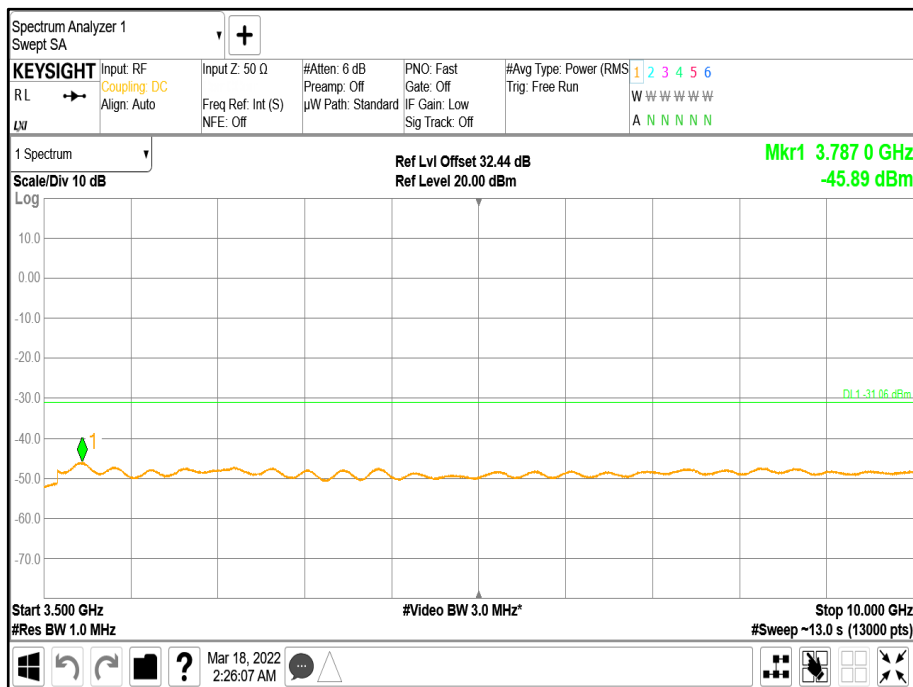




Antenna 59 - NR Modulation 16QAM - NR Carrier Bandwidth 10.0 MHz 30 kHz SCS - Channel Position M - Band 2 - Range 3500 to 10000 MHz

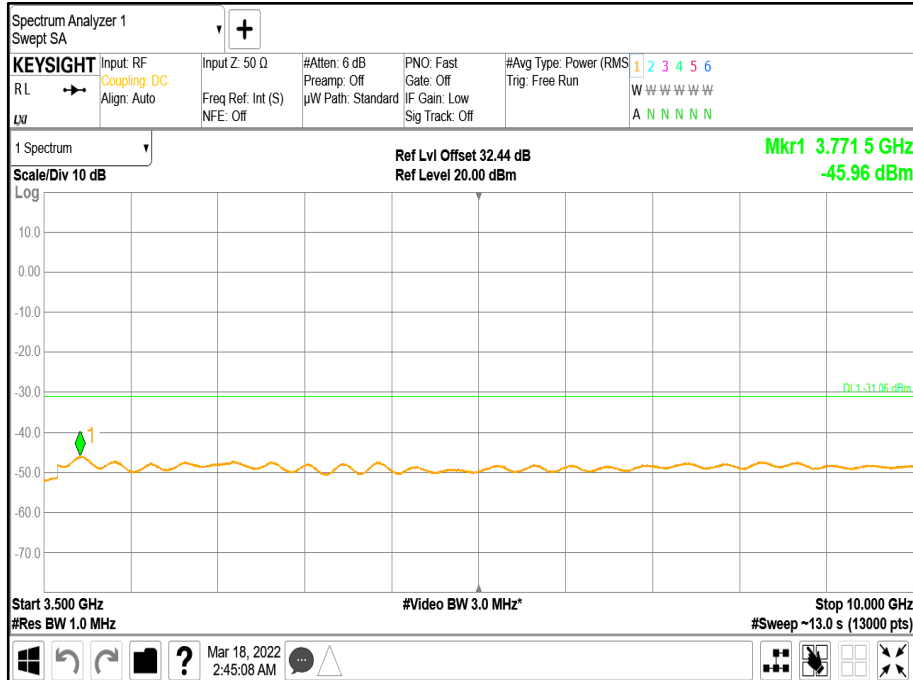


Antenna 59 - NR Modulation 16QAM - NR Carrier Bandwidth 20.0 MHz 30 kHz SCS - Channel Position M - Band 2 - Range 3500 to 10000 MHz

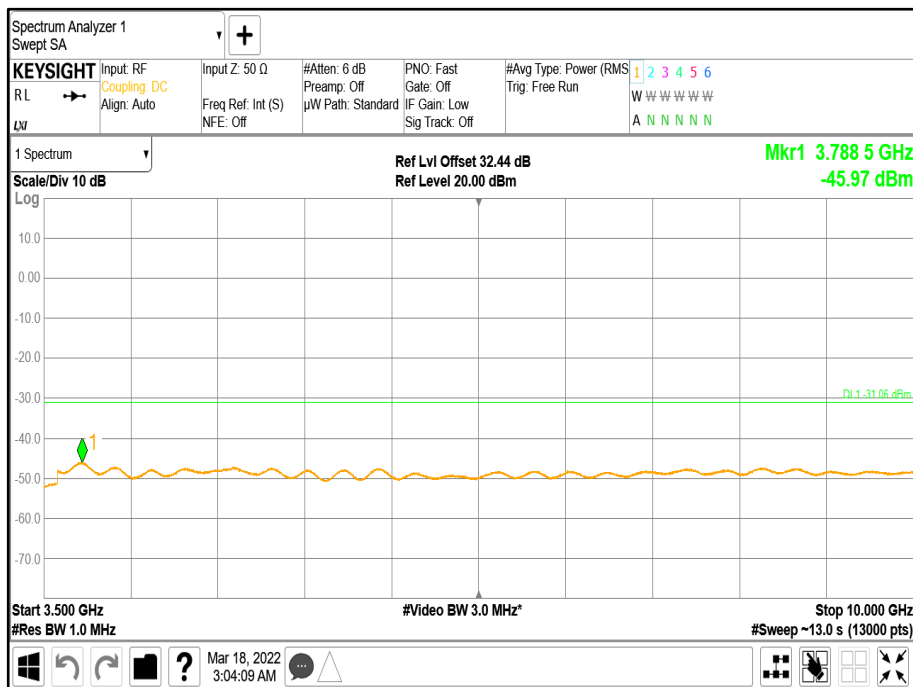




Antenna 59 - NR Modulation 16QAM - NR Carrier Bandwidth 30.0 MHz 30 kHz SCS - Channel Position M - Band 2 - Range 3500 to 10000 MHz

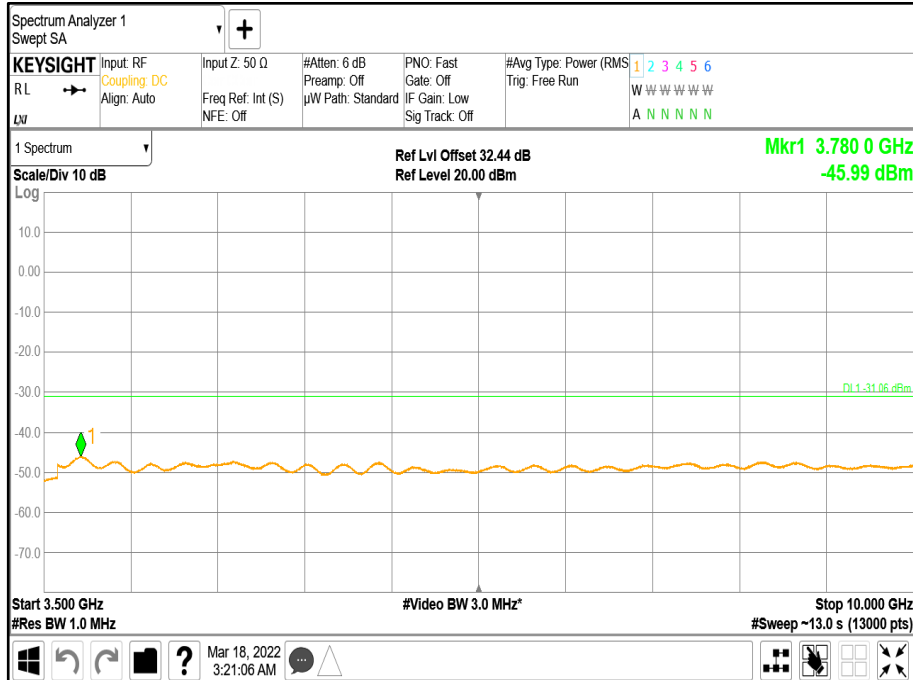


Antenna 59 - NR Modulation 16QAM - NR Carrier Bandwidth 40.0 MHz 30 kHz SCS - Channel Position M - Band 2 - Range 3500 to 10000 MHz

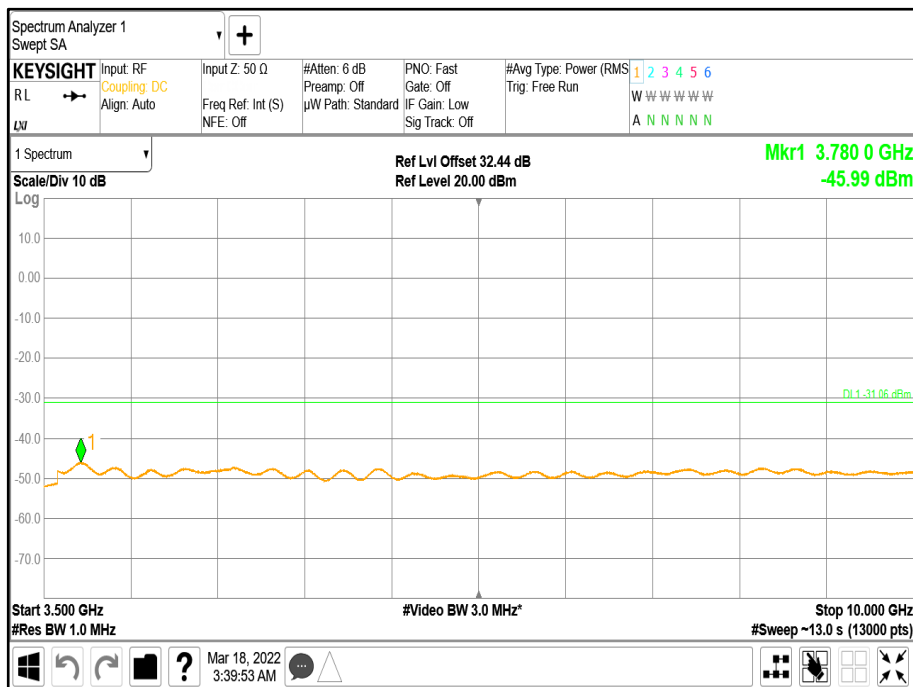




Antenna 59 - NR Modulation 16QAM - NR Carrier Bandwidth 50.0 MHz 30 kHz SCS - Channel Position M - Band 2 - Range 3500 to 10000 MHz

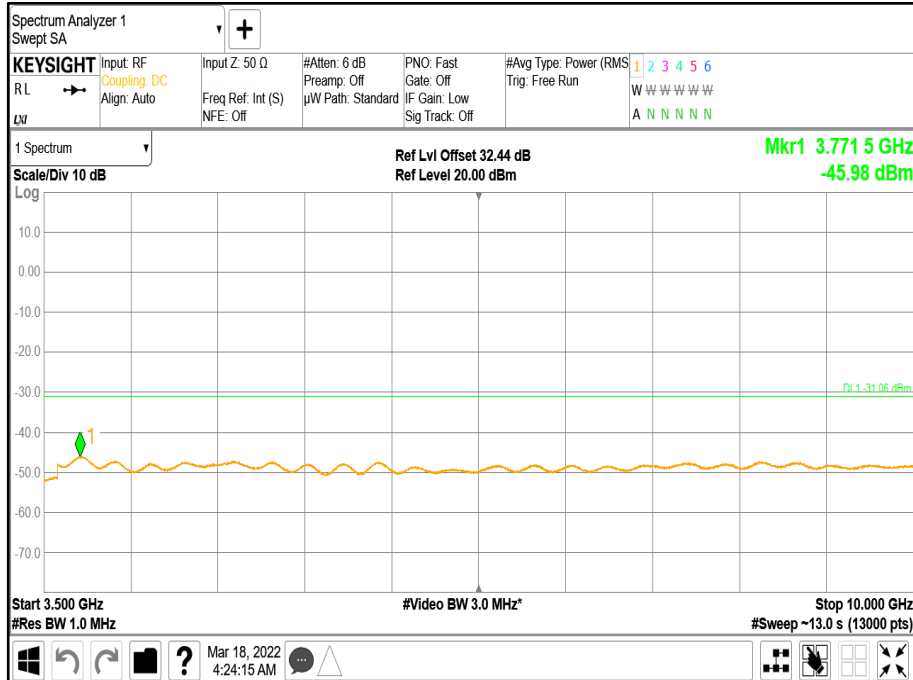


Antenna 59 - NR Modulation 16QAM - NR Carrier Bandwidth 60.0 MHz 30 kHz SCS - Channel Position M - Band 2 - Range 3500 to 10000 MHz

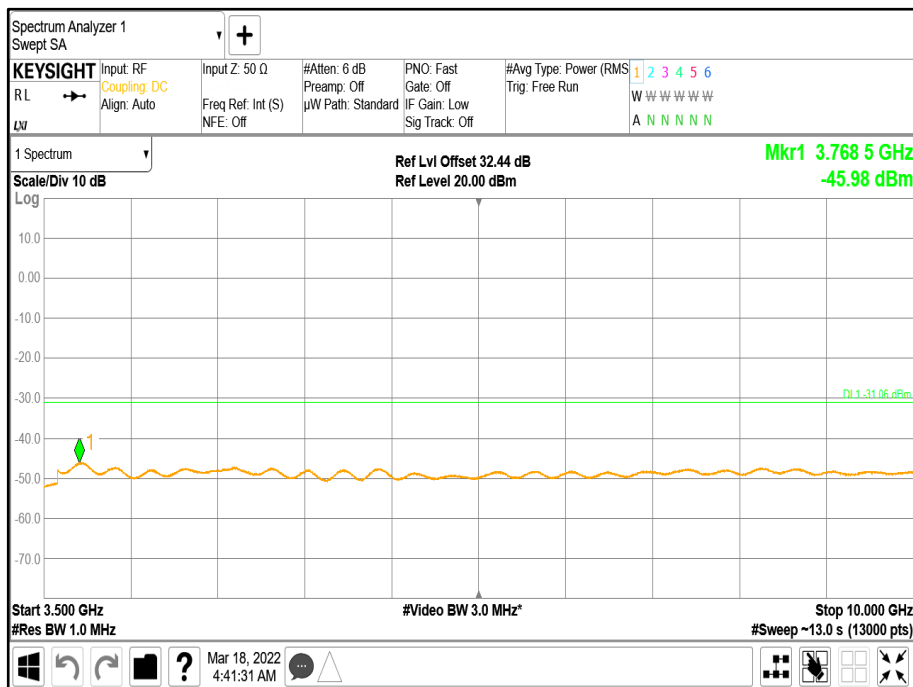




Antenna 59 - NR Modulation 16QAM - NR Carrier Bandwidth 70.0 MHz 30 kHz SCS - Channel Position M - Band 2 - Range 3500 to 10000 MHz



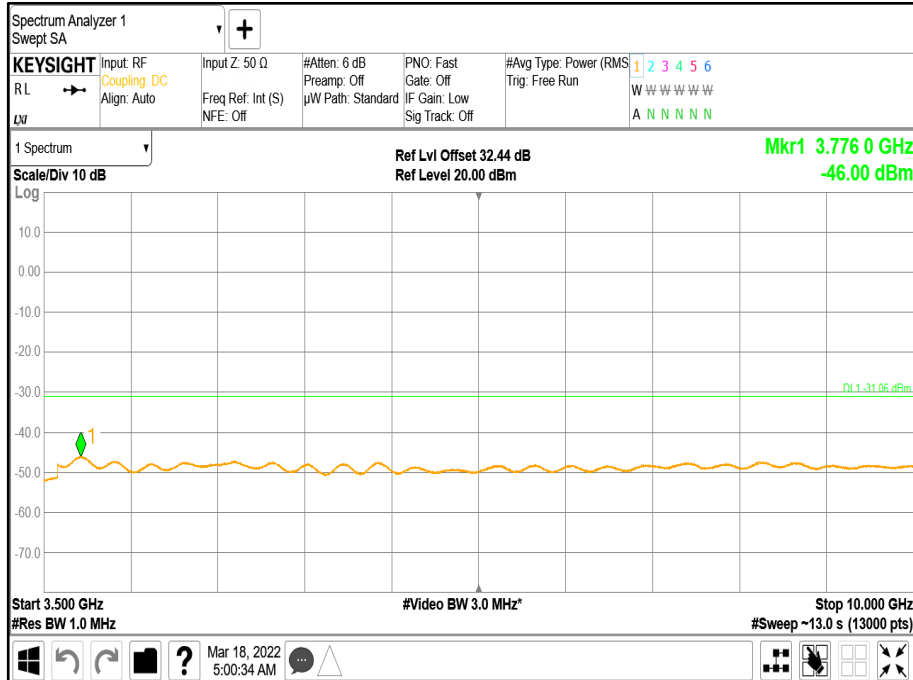
Antenna 59 - NR Modulation 16QAM - NR Carrier Bandwidth 80.0 MHz 30 kHz SCS - Channel Position M - Band 2 - Range 3500 to 10000 MHz



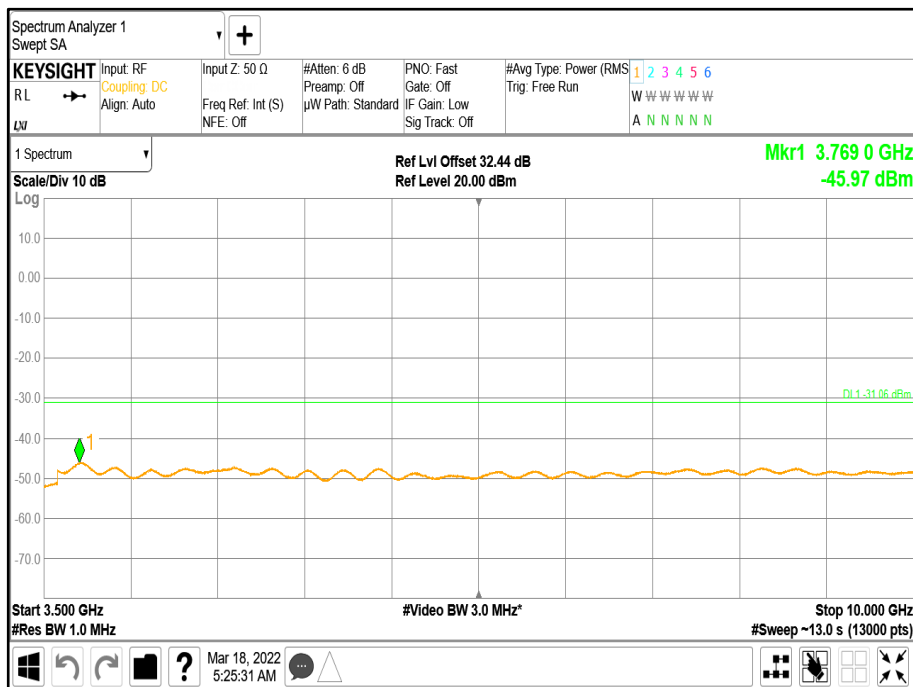




Antenna 59 - NR Modulation 16QAM - NR Carrier Bandwidth 90.0 MHz 30 kHz SCS - Channel Position M - Band 2 - Range 3500 to 10000 MHz

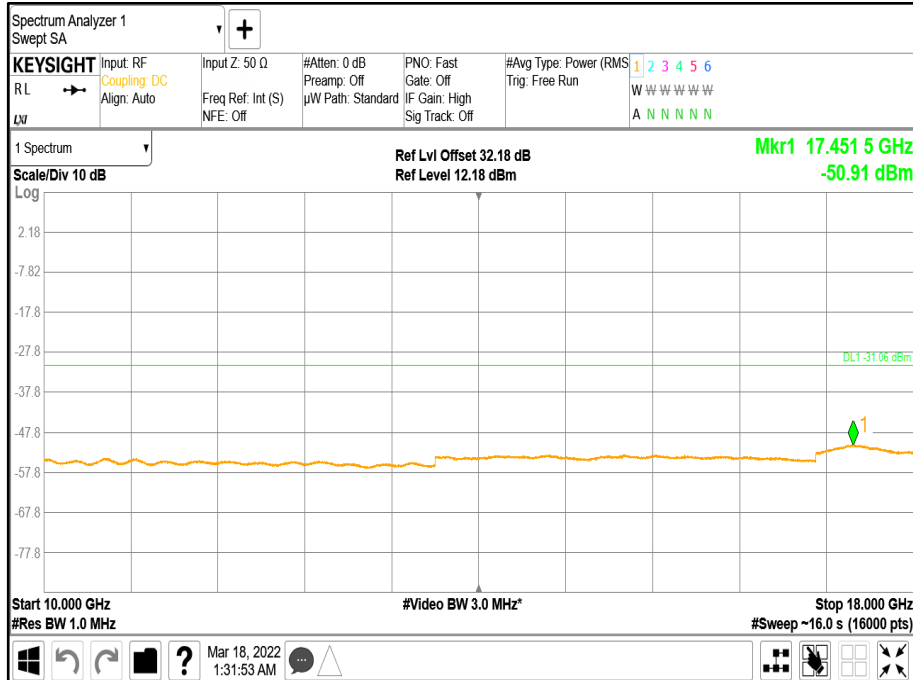


Antenna 59 - NR Modulation 16QAM - NR Carrier Bandwidth 100.0 MHz 30 kHz SCS - Channel Position M - Band 2 - Range 3500 to 10000 MHz

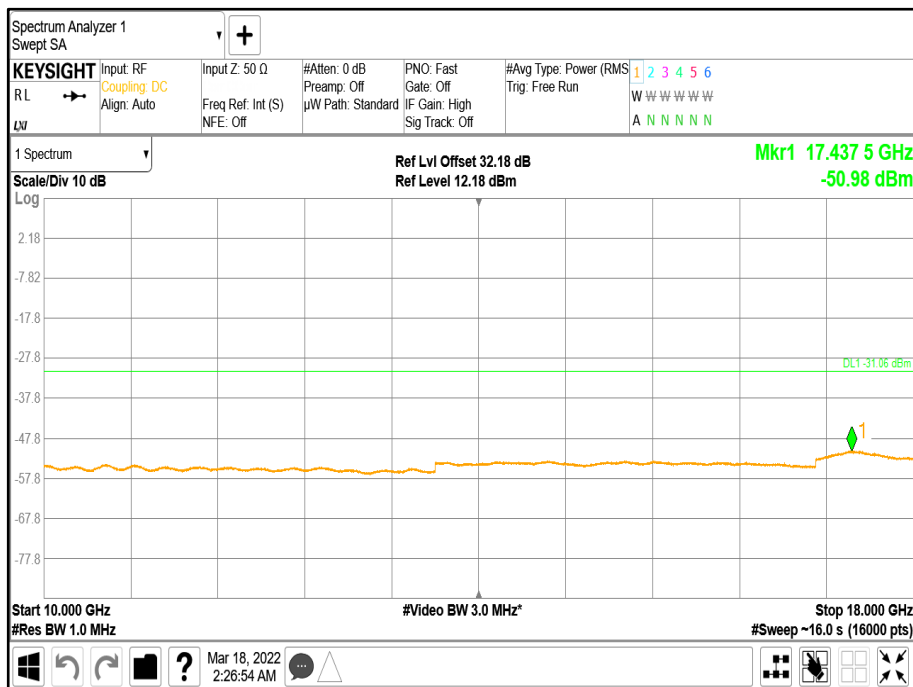




Antenna 59 - NR Modulation 16QAM - NR Carrier Bandwidth 10.0 MHz 30 kHz SCS - Channel Position M - Band 3 - Range 10000 to 18000 MHz

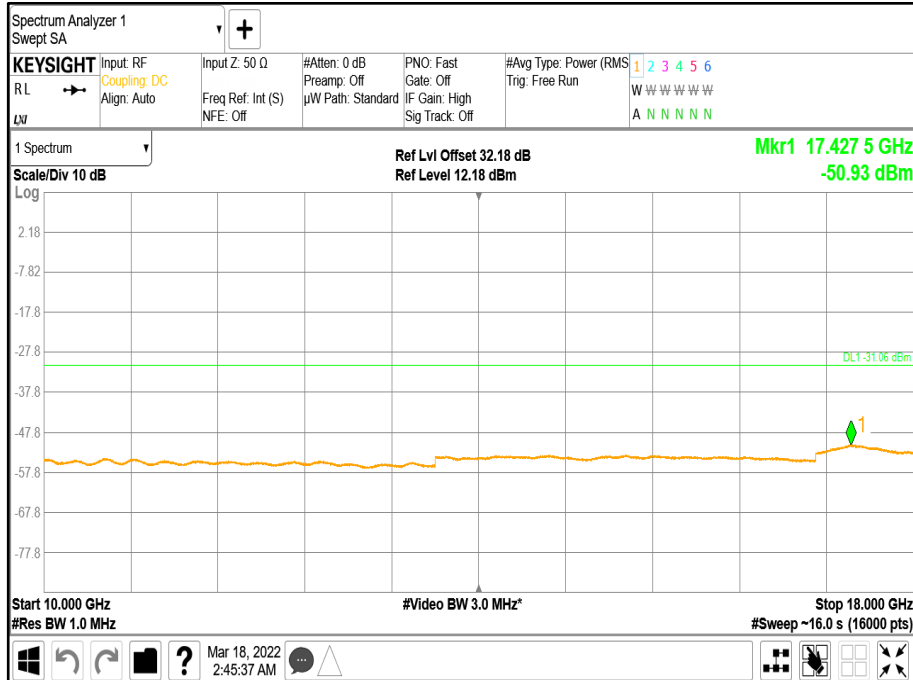


Antenna 59 - NR Modulation 16QAM - NR Carrier Bandwidth 20.0 MHz 30 kHz SCS - Channel Position M - Band 3 - Range 10000 to 18000 MHz

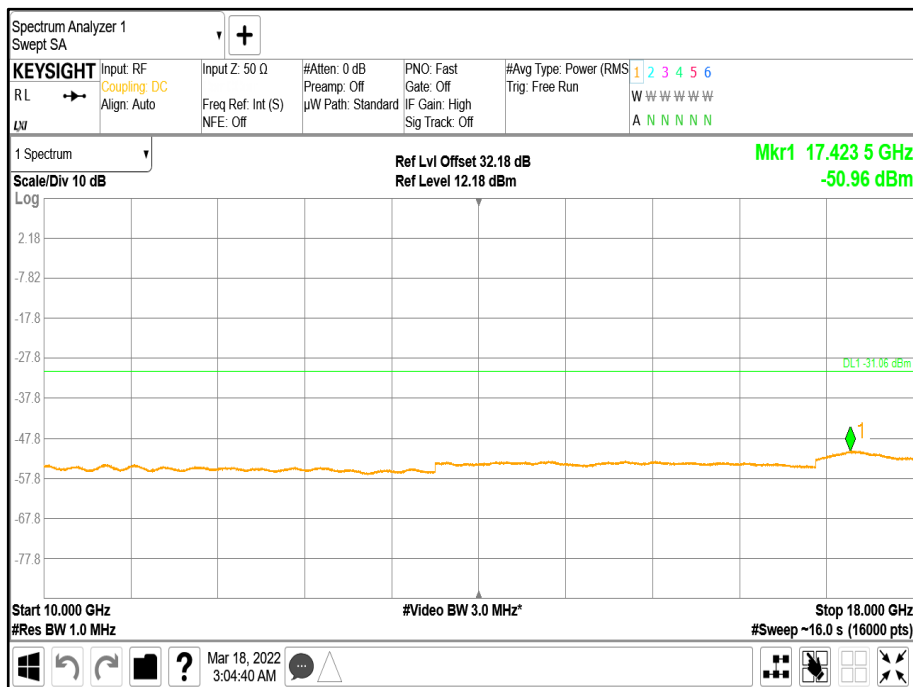




Antenna 59 - NR Modulation 16QAM - NR Carrier Bandwidth 30.0 MHz 30 kHz SCS - Channel Position M - Band 3 - Range 10000 to 18000 MHz

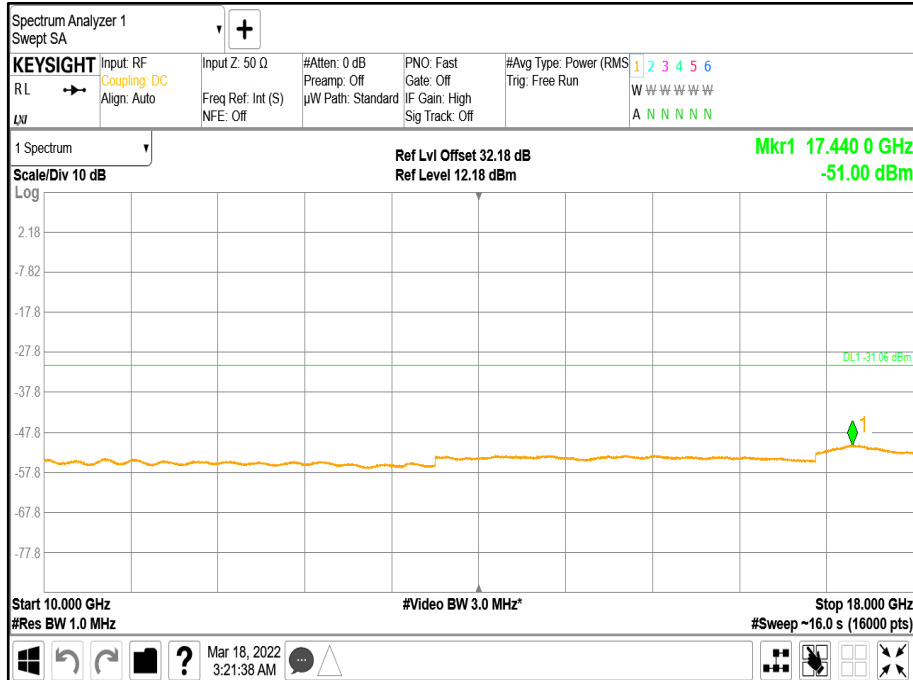


Antenna 59 - NR Modulation 16QAM - NR Carrier Bandwidth 40.0 MHz 30 kHz SCS - Channel Position M - Band 3 - Range 10000 to 18000 MHz

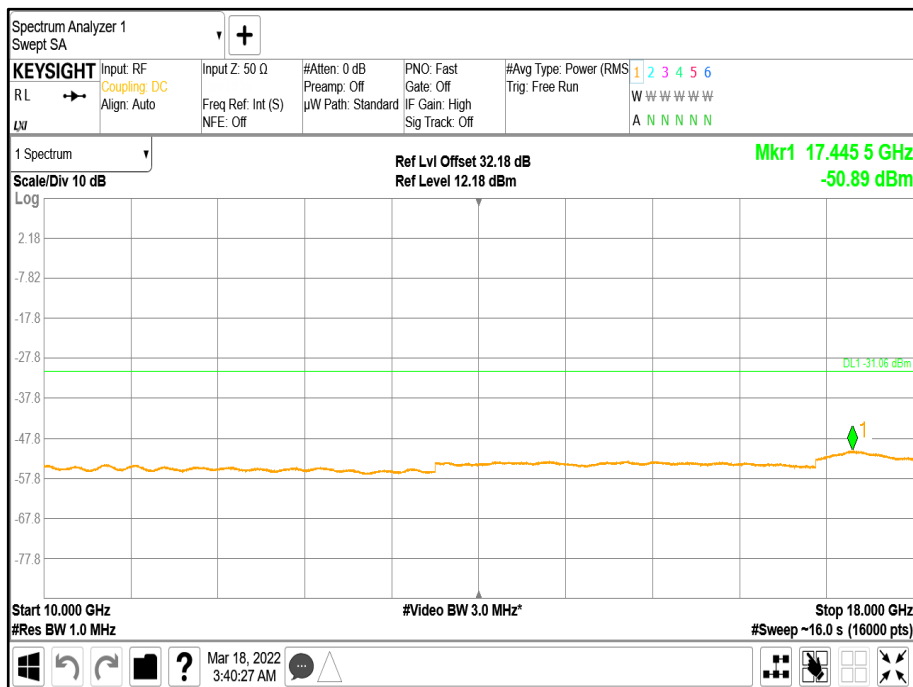




Antenna 59 - NR Modulation 16QAM - NR Carrier Bandwidth 50.0 MHz 30 kHz SCS - Channel Position M - Band 3 - Range 10000 to 18000 MHz

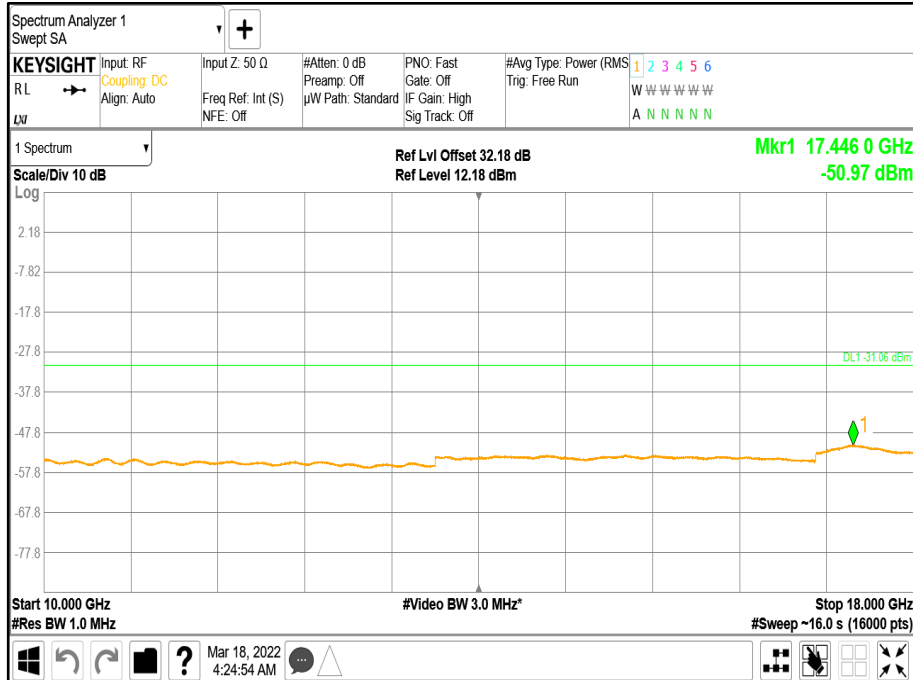


Antenna 59 - NR Modulation 16QAM - NR Carrier Bandwidth 60.0 MHz 30 kHz SCS - Channel Position M - Band 3 - Range 10000 to 18000 MHz

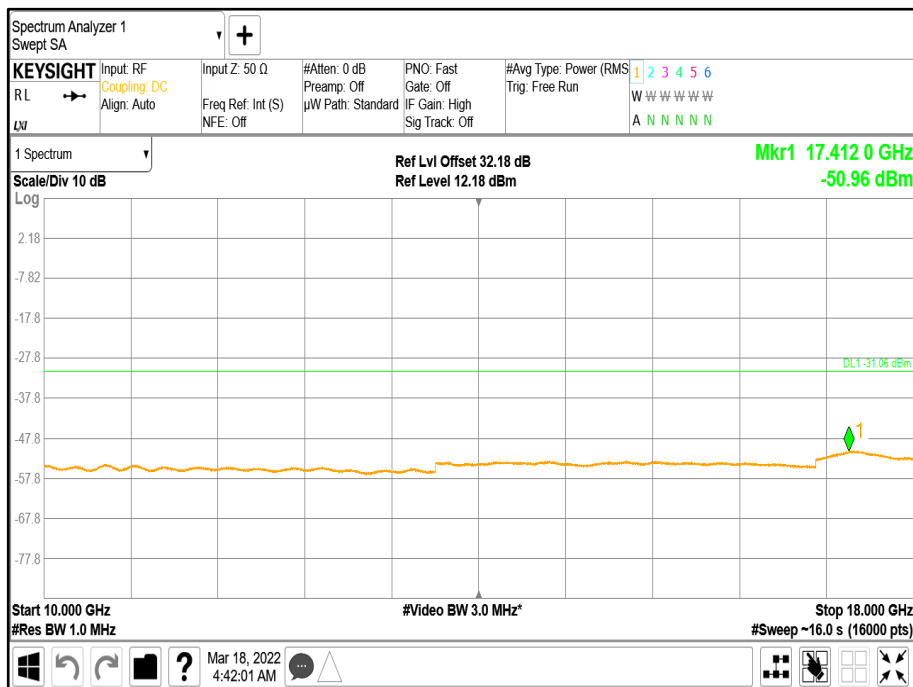




Antenna 59 - NR Modulation 16QAM - NR Carrier Bandwidth 70.0 MHz 30 kHz SCS - Channel Position M - Band 3 - Range 10000 to 18000 MHz

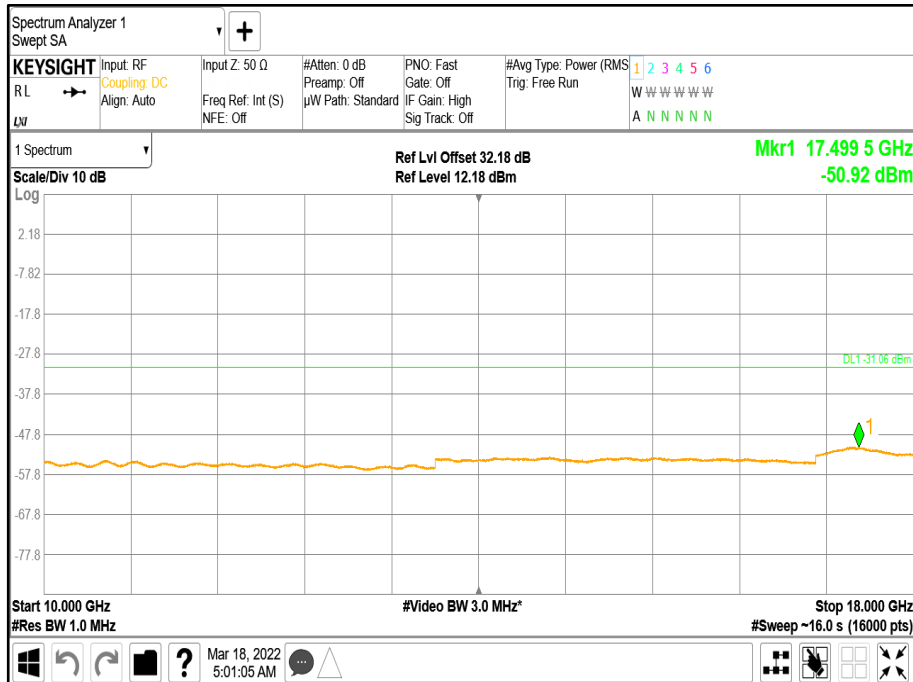


Antenna 59 - NR Modulation 16QAM - NR Carrier Bandwidth 80.0 MHz 30 kHz SCS - Channel Position M - Band 3 - Range 10000 to 18000 MHz

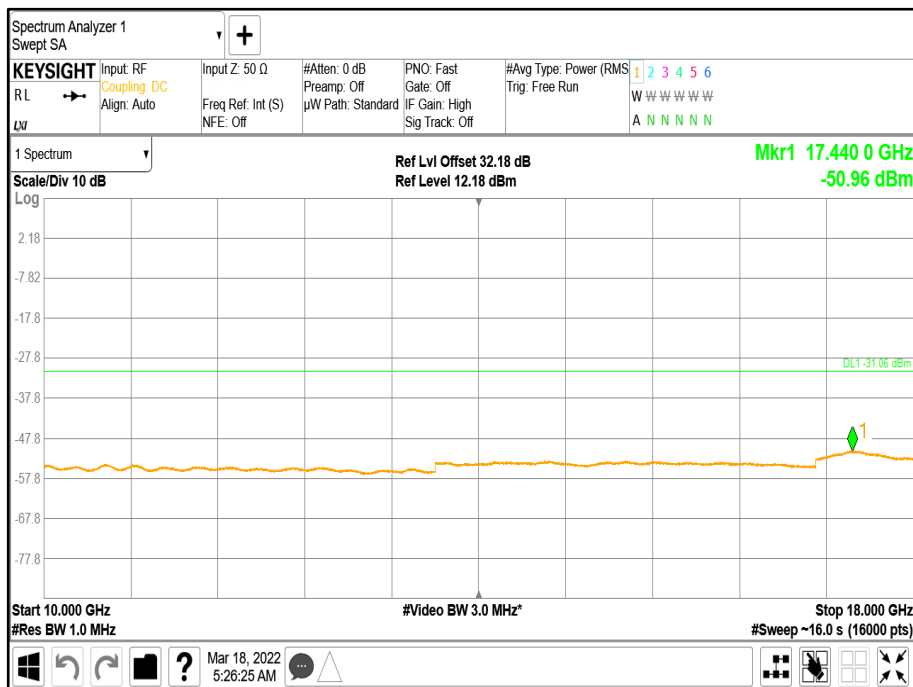




Antenna 59 - NR Modulation 16QAM - NR Carrier Bandwidth 90.0 MHz 30 kHz SCS - Channel Position M - Band 3 - Range 10000 to 18000 MHz

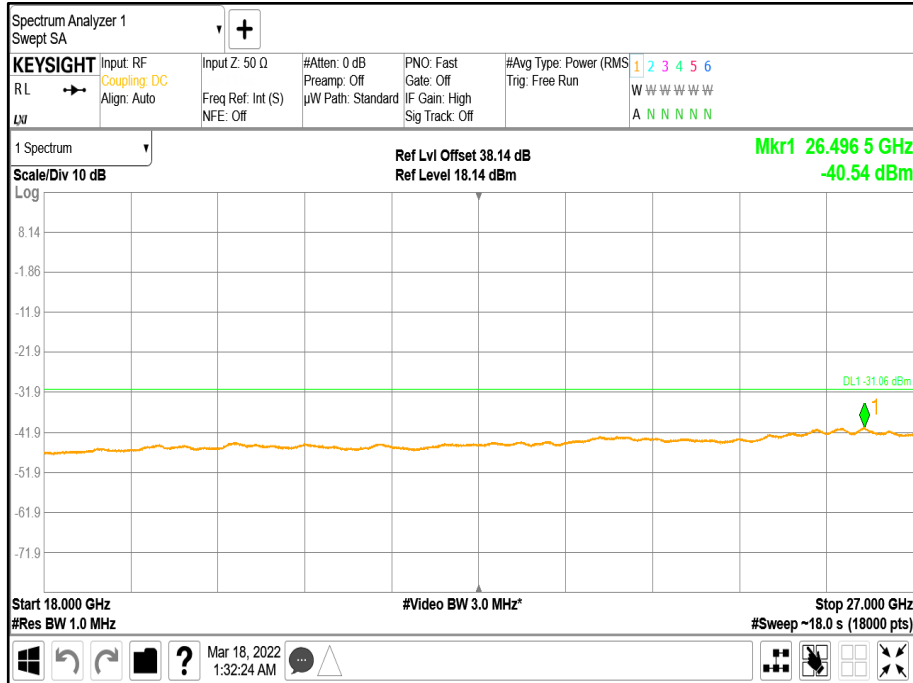


Antenna 59 - NR Modulation 16QAM - NR Carrier Bandwidth 100.0 MHz 30 kHz SCS - Channel Position M - Band 3 - Range 10000 to 18000 MHz

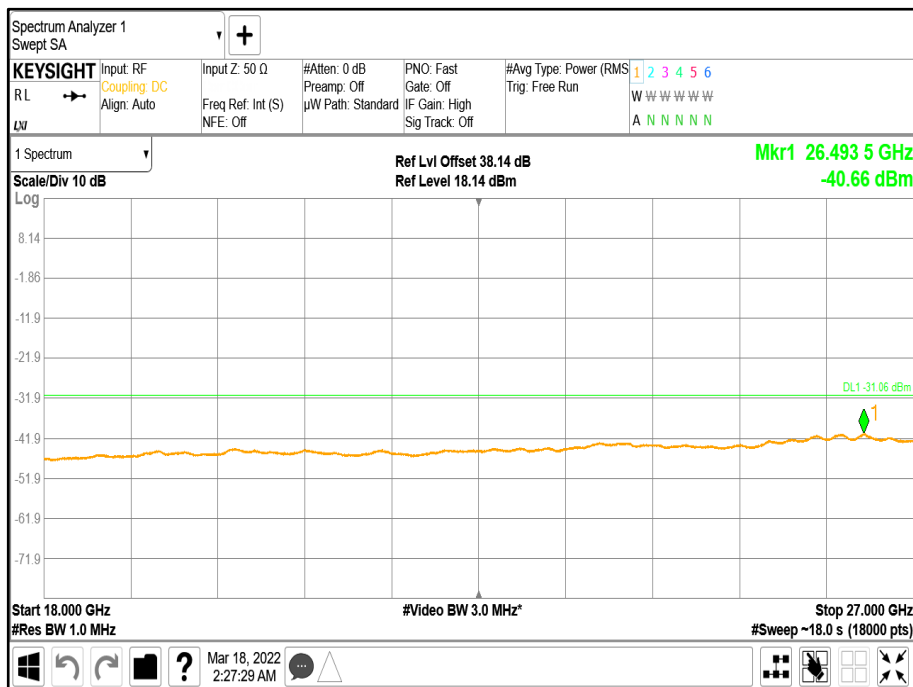




Antenna 59 - NR Modulation 16QAM - NR Carrier Bandwidth 10.0 MHz 30 kHz SCS - Channel Position M - Band 4 - Range 18000 to 27000 MHz

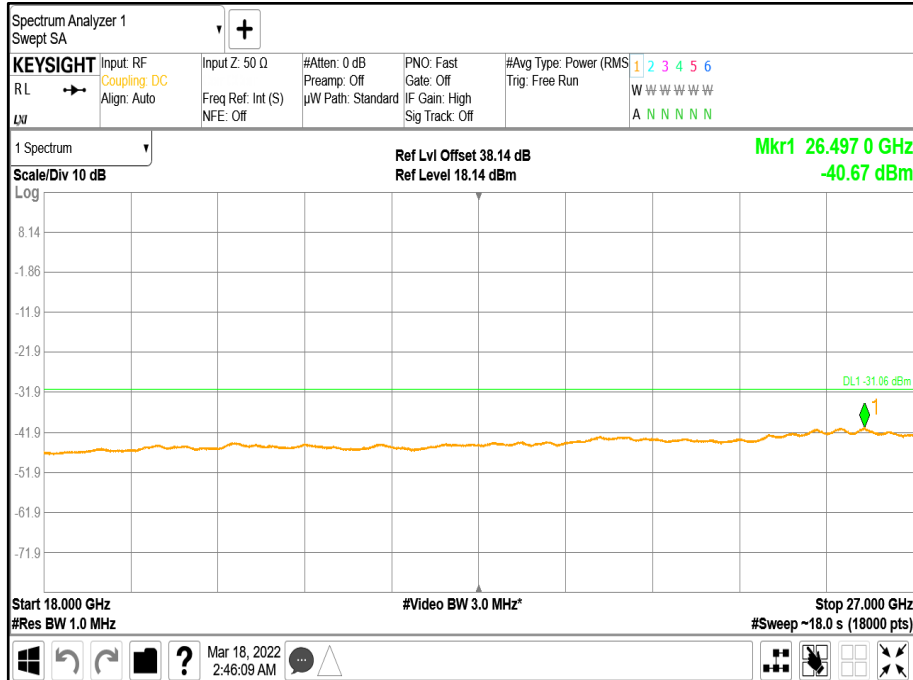


Antenna 59 - NR Modulation 16QAM - NR Carrier Bandwidth 20.0 MHz 30 kHz SCS - Channel Position M - Band 4 - Range 18000 to 27000 MHz

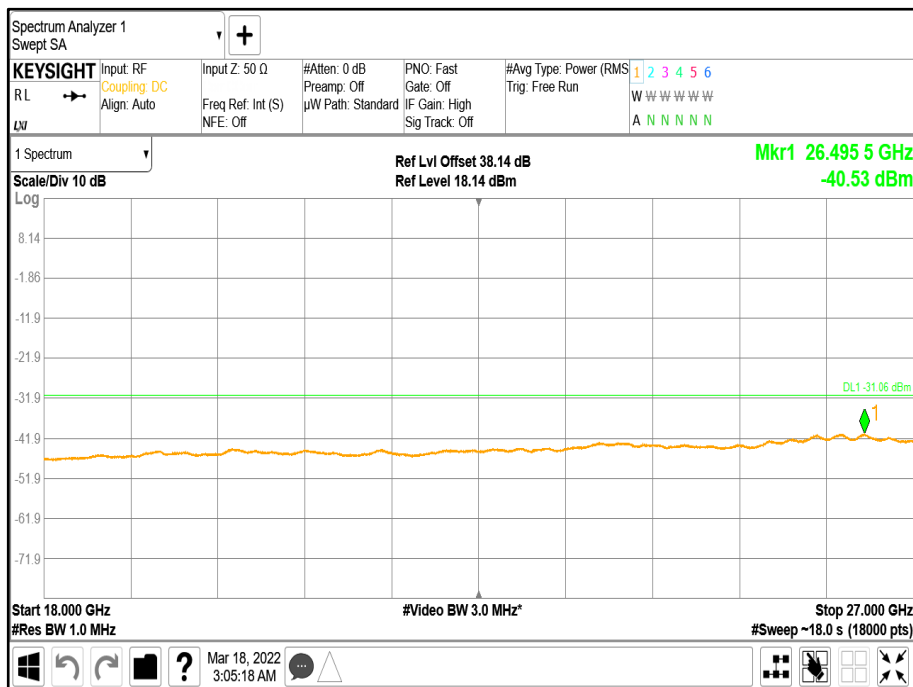




Antenna 59 - NR Modulation 16QAM - NR Carrier Bandwidth 30.0 MHz 30 kHz SCS - Channel Position M - Band 4 - Range 18000 to 27000 MHz



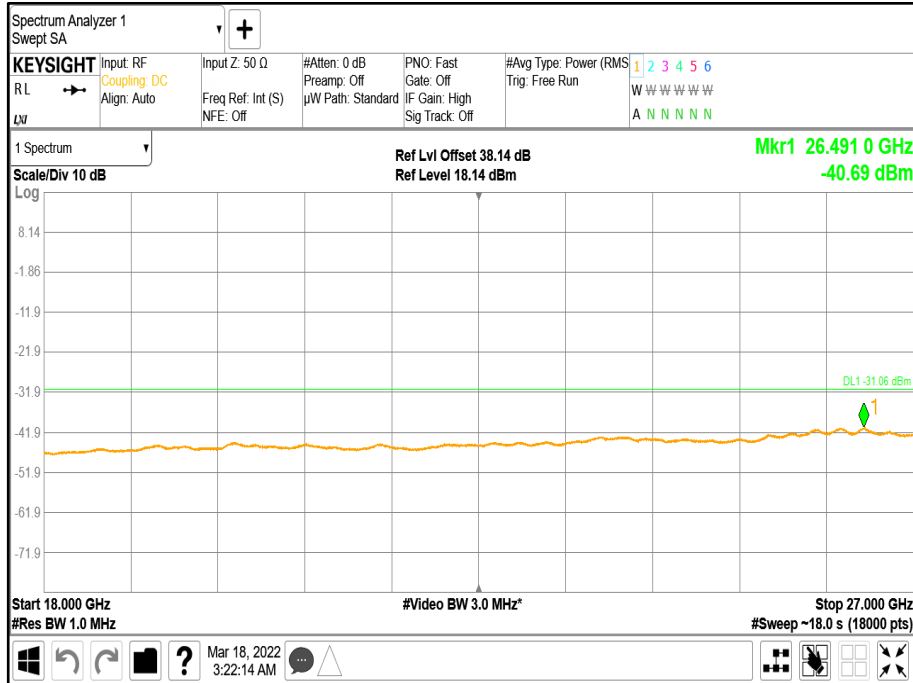
Antenna 59 - NR Modulation 16QAM - NR Carrier Bandwidth 40.0 MHz 30 kHz SCS - Channel Position M - Band 4 - Range 18000 to 27000 MHz



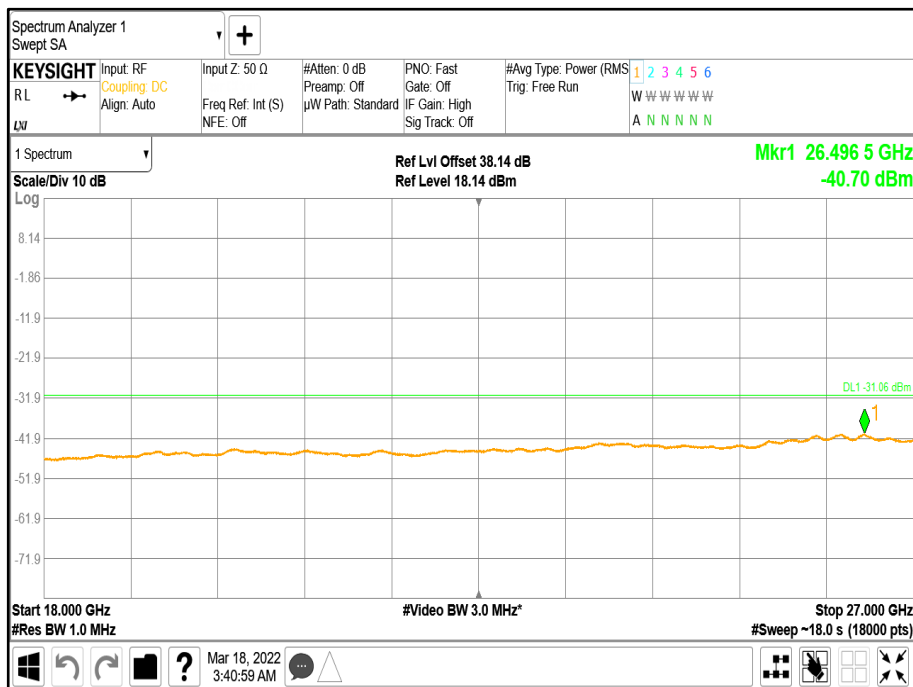




Antenna 59 - NR Modulation 16QAM - NR Carrier Bandwidth 50.0 MHz 30 kHz SCS - Channel Position M - Band 4 - Range 18000 to 27000 MHz

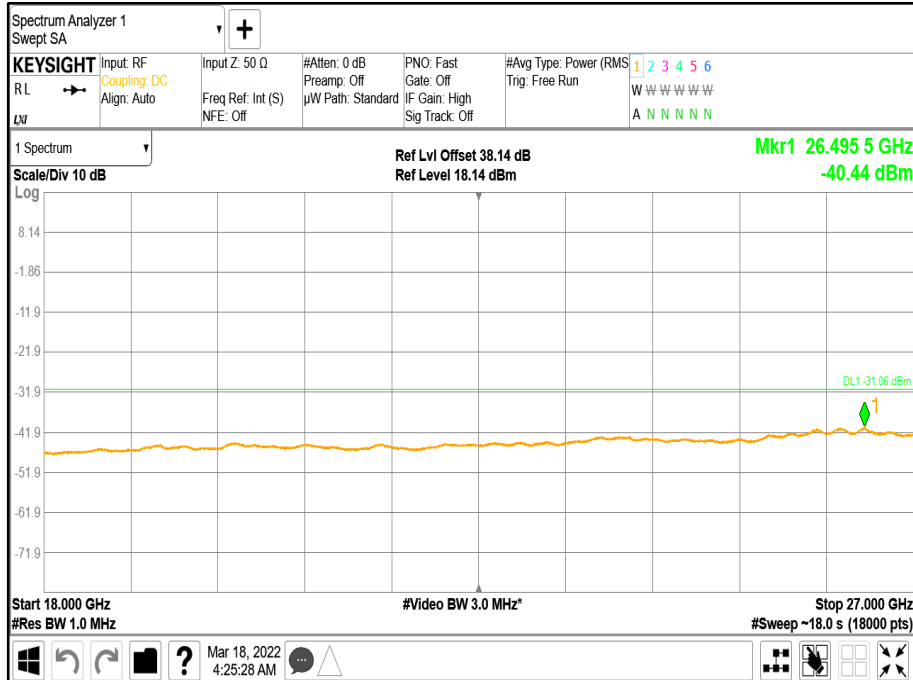


Antenna 59 - NR Modulation 16QAM - NR Carrier Bandwidth 60.0 MHz 30 kHz SCS - Channel Position M - Band 4 - Range 18000 to 27000 MHz

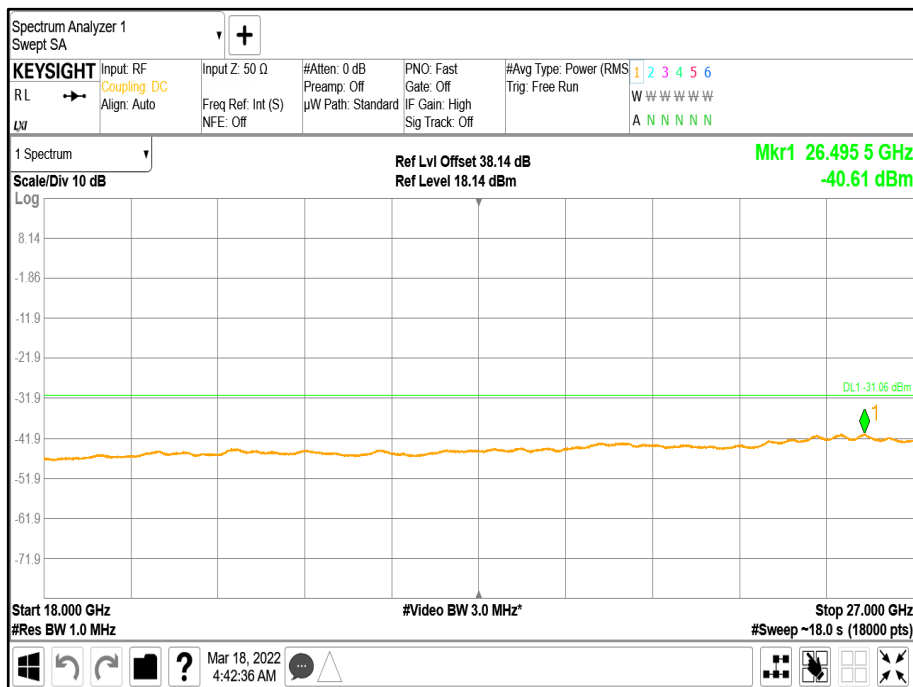




Antenna 59 - NR Modulation 16QAM - NR Carrier Bandwidth 70.0 MHz 30 kHz SCS - Channel Position M - Band 4 - Range 18000 to 27000 MHz

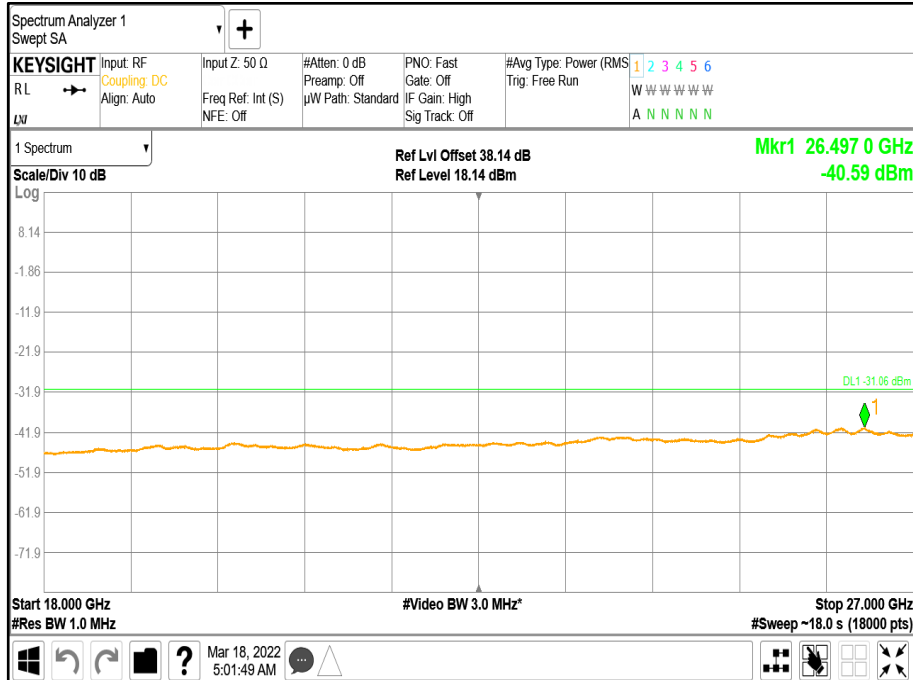


Antenna 59 - NR Modulation 16QAM - NR Carrier Bandwidth 80.0 MHz 30 kHz SCS - Channel Position M - Band 4 - Range 18000 to 27000 MHz

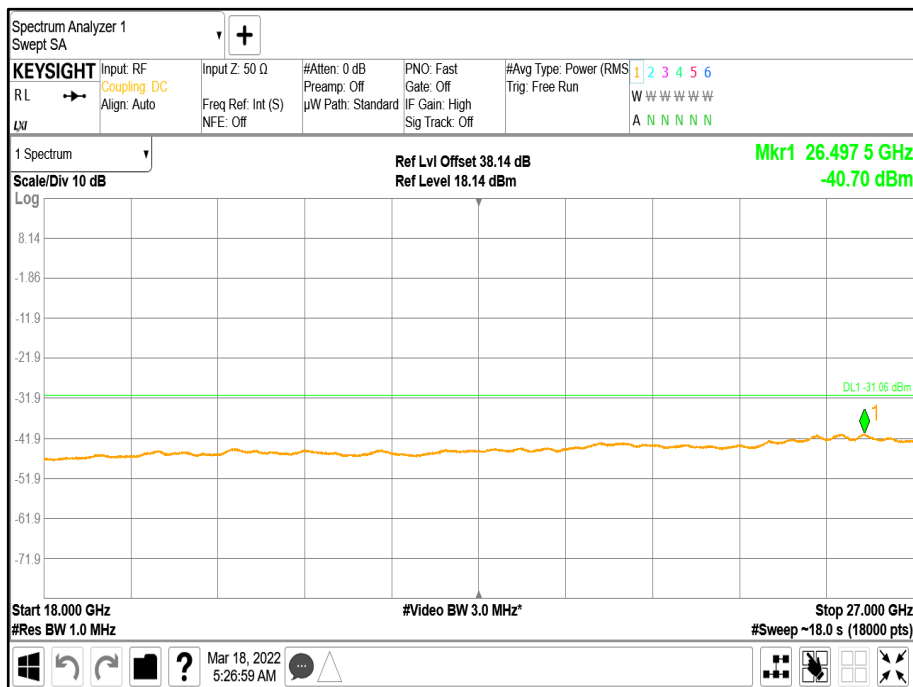




Antenna 59 - NR Modulation 16QAM - NR Carrier Bandwidth 90.0 MHz 30 kHz SCS - Channel Position M - Band 4 - Range 18000 to 27000 MHz



Antenna 59 - NR Modulation 16QAM - NR Carrier Bandwidth 100.0 MHz 30 kHz SCS - Channel Position M - Band 4 - Range 18000 to 27000 MHz

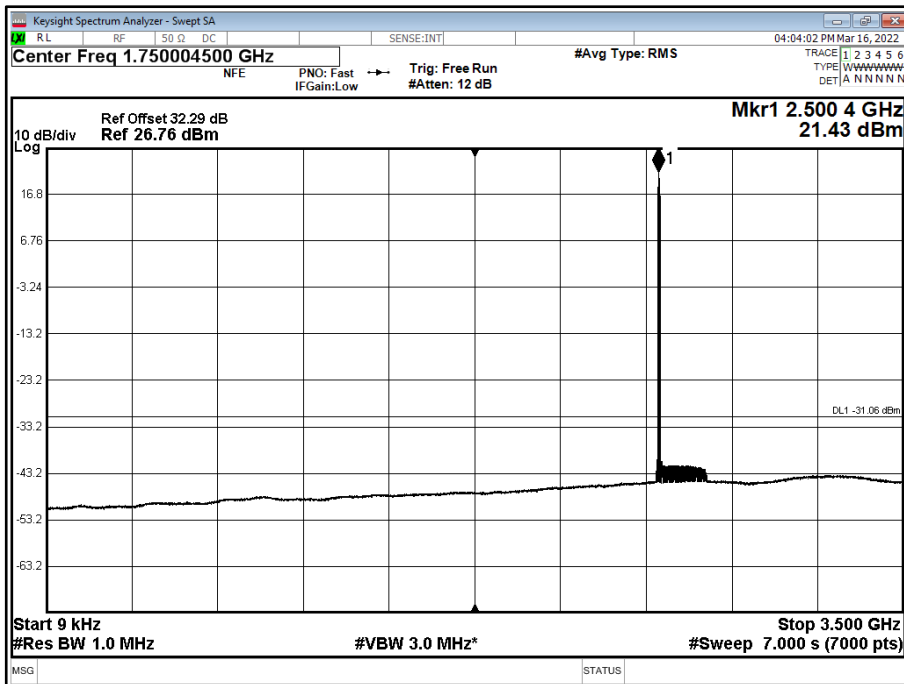




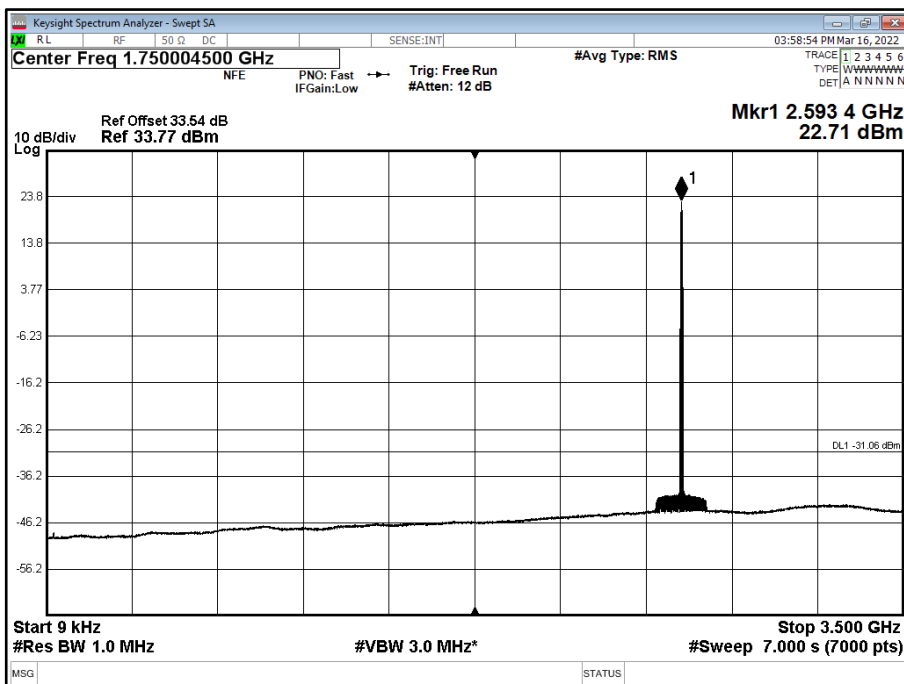
Configuration 3

Maximum Output Power per Carrier 27.96, 29.72, 30.97 dBm

Antenna 1 - LTE Modulation 16QAM - LTE Carrier Bandwidth 10.0 MHz - Channel Position B - Band 1 - Range 0.009 to 3500 MHz

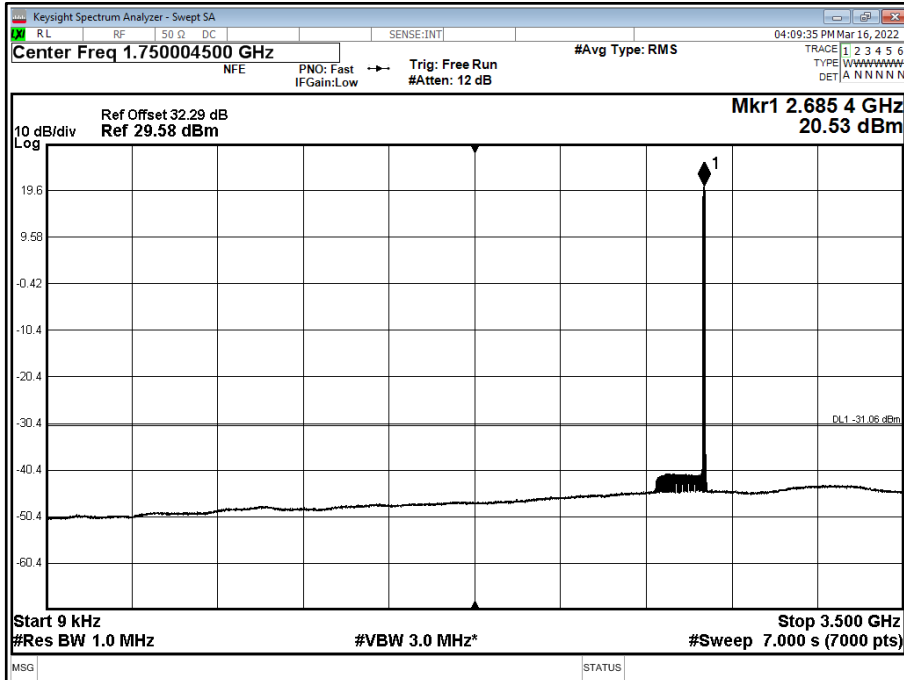


Antenna 1 - LTE Modulation 16QAM - LTE Carrier Bandwidth 10.0 MHz - Channel Position M - Band 1 - Range 0.009 to 3500 MHz

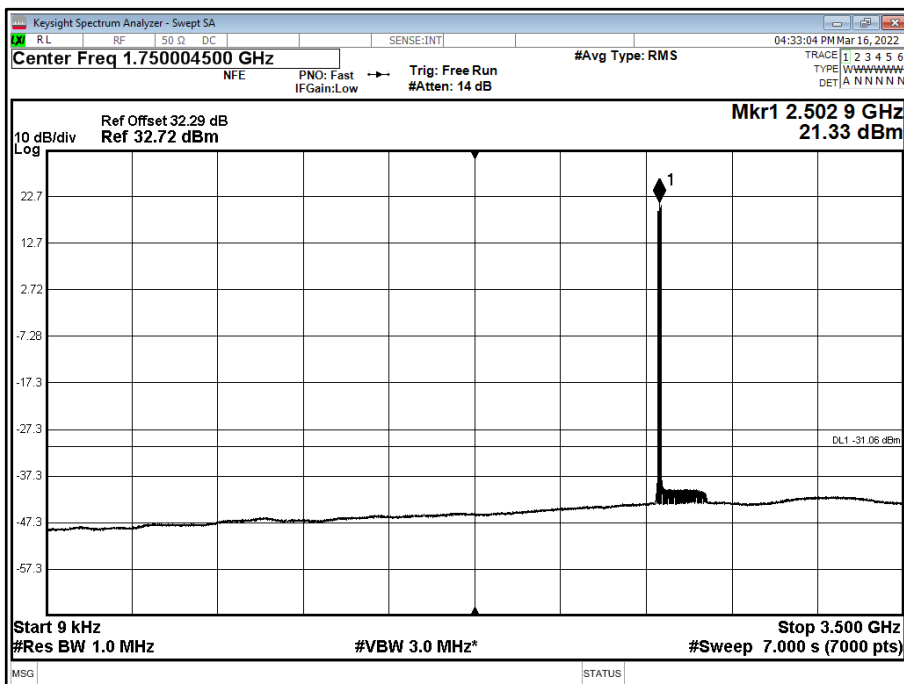




Antenna 1 - LTE Modulation 16QAM - LTE Carrier Bandwidth 10.0 MHz - Channel Position T - Band 1 - Range 0.009 to 3500 MHz

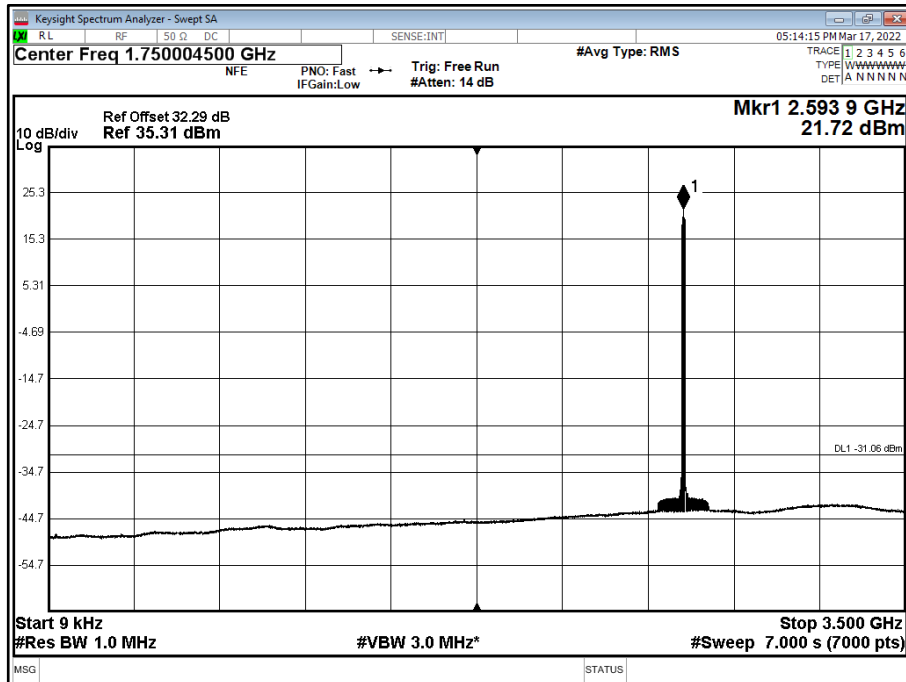


Antenna 1 - LTE Modulation 16QAM - LTE Carrier Bandwidth 15.0 MHz - Channel Position B - Band 1 - Range 0.009 to 3500 MHz

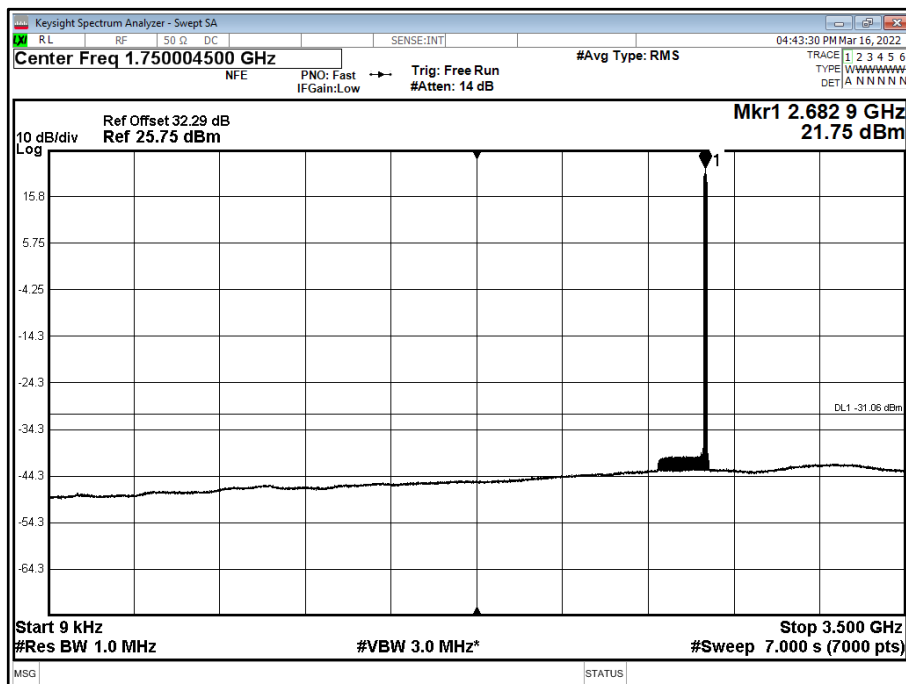




Antenna 1 - LTE Modulation 16QAM - LTE Carrier Bandwidth 15.0 MHz - Channel Position M - Band 1 - Range 0.009 to 3500 MHz

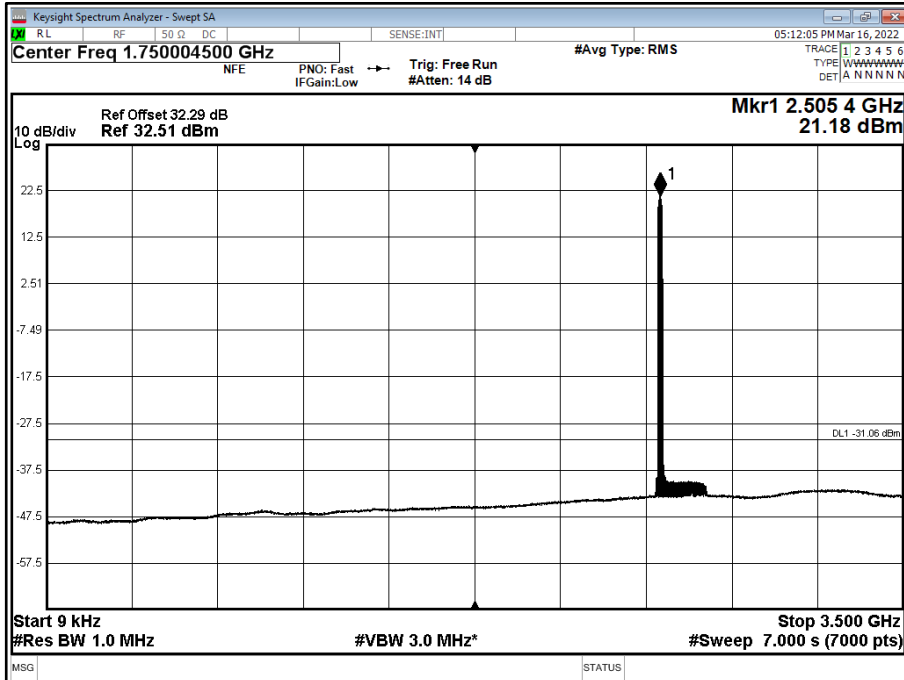


Antenna 1 - LTE Modulation 16QAM - LTE Carrier Bandwidth 15.0 MHz - Channel Position T - Band 1 - Range 0.009 to 3500 MHz

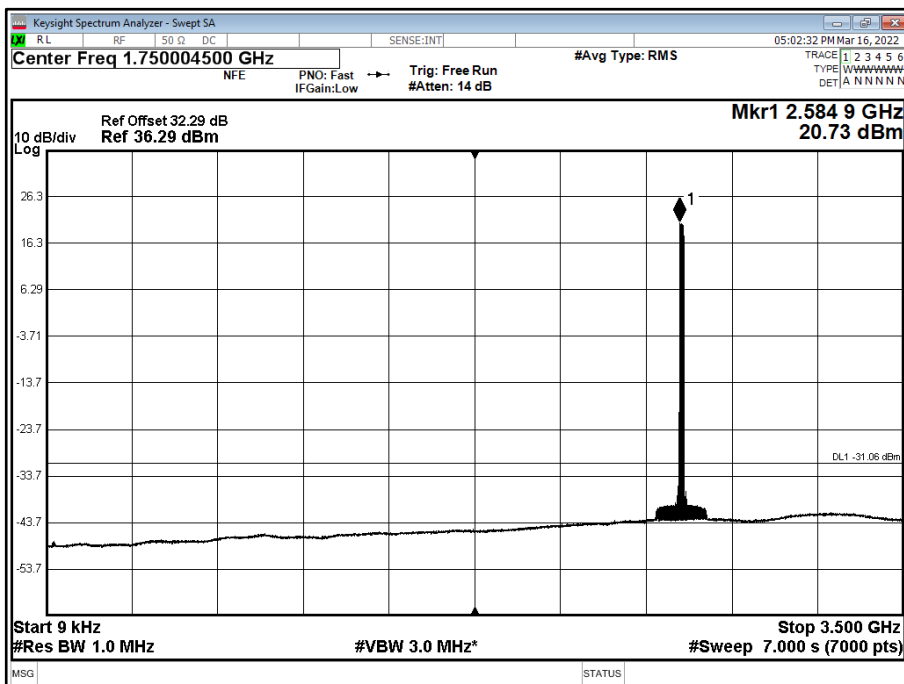




Antenna 1 - LTE Modulation 16QAM - LTE Carrier Bandwidth 20.0 MHz - Channel Position B - Band 1 - Range 0.009 to 3500 MHz

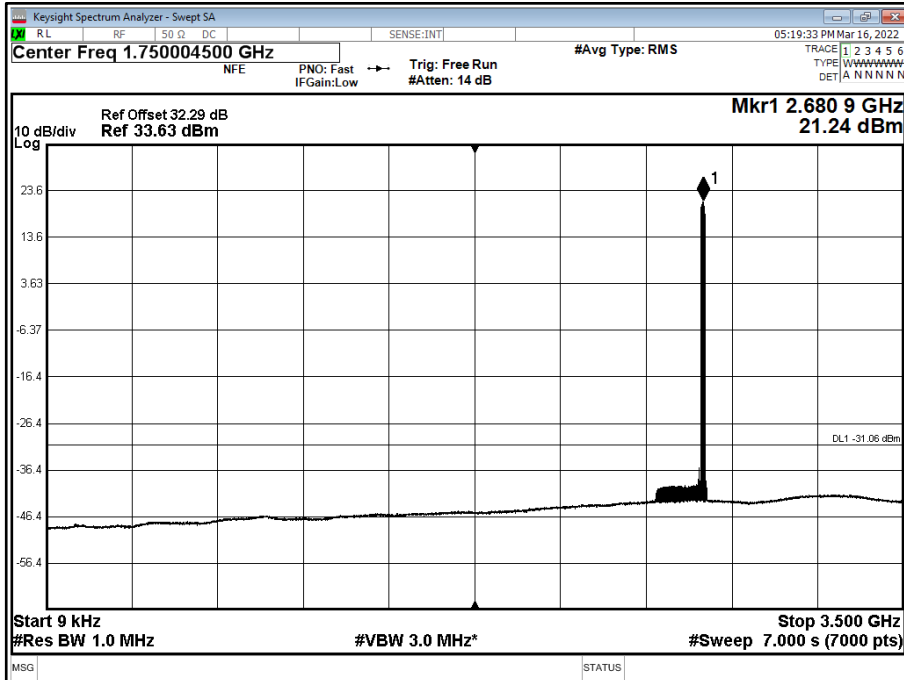


Antenna 1 - LTE Modulation 16QAM - LTE Carrier Bandwidth 20.0 MHz - Channel Position M - Band 1 - Range 0.009 to 3500 MHz

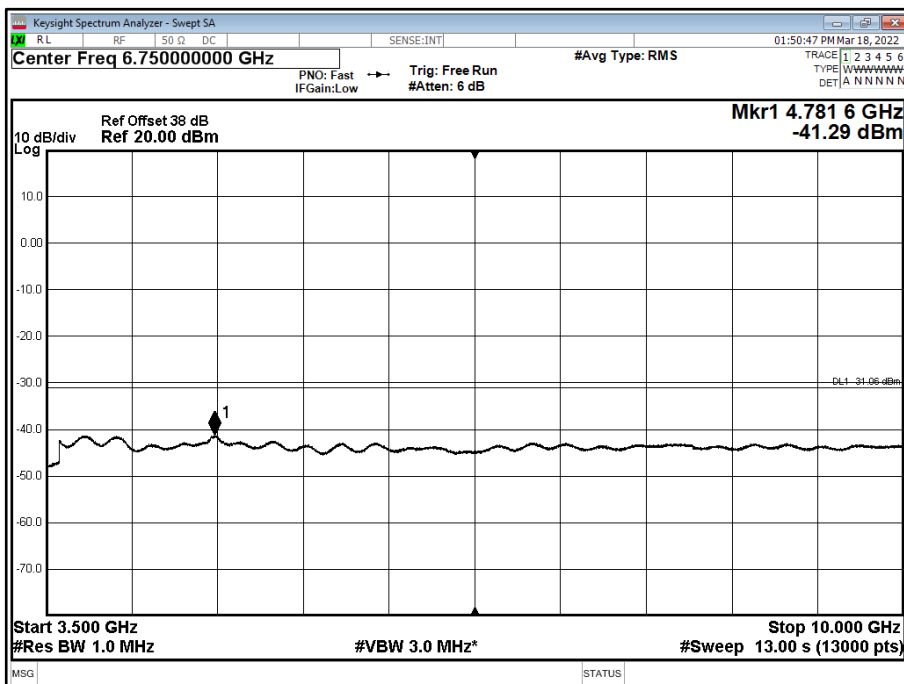




Antenna 1 - LTE Modulation 16QAM - LTE Carrier Bandwidth 20.0 MHz - Channel Position T - Band 1 - Range 0.009 to 3500 MHz



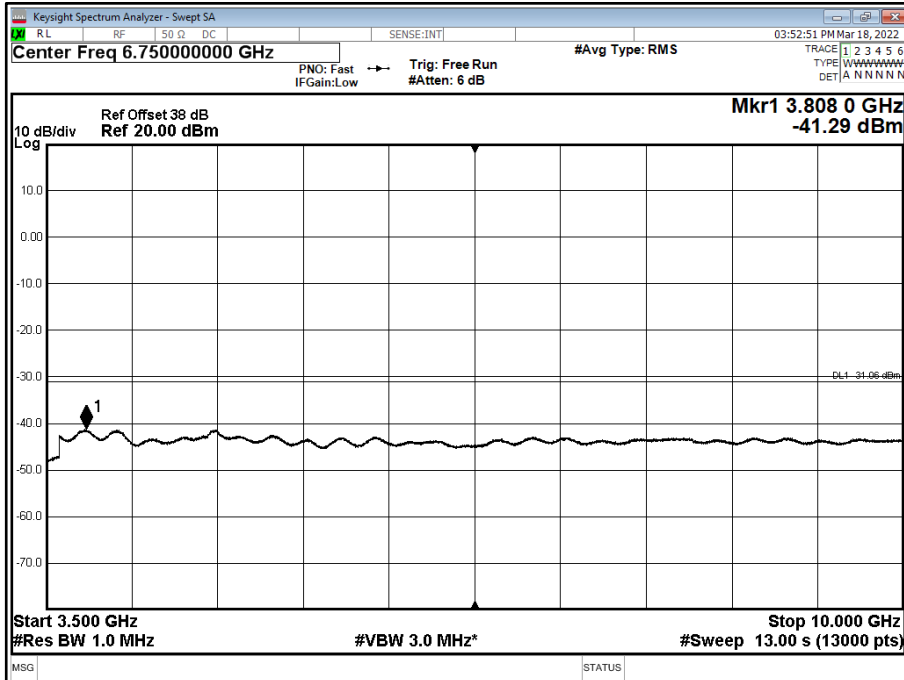
Antenna 1 - LTE Modulation 16QAM - LTE Carrier Bandwidth 10.0 MHz - Channel Position B - Band 2 - Range 3500 to 10000 MHz



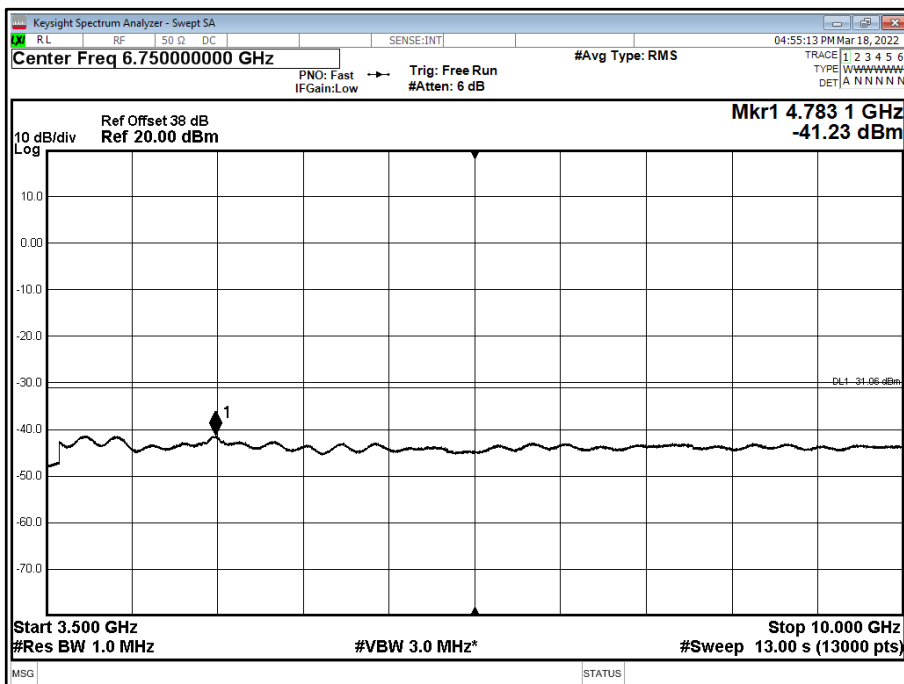




Antenna 1 - LTE Modulation 16QAM - LTE Carrier Bandwidth 10.0 MHz - Channel Position M - Band 2 - Range 3500 to 10000 MHz

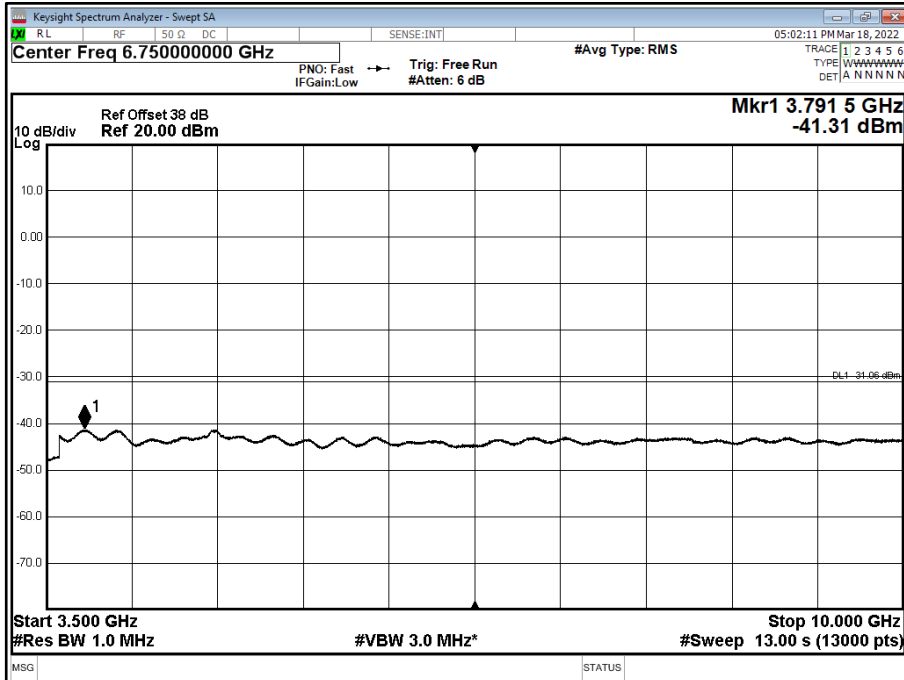


Antenna 1 - LTE Modulation 16QAM - LTE Carrier Bandwidth 10.0 MHz - Channel Position T - Band 2 - Range 3500 to 10000 MHz

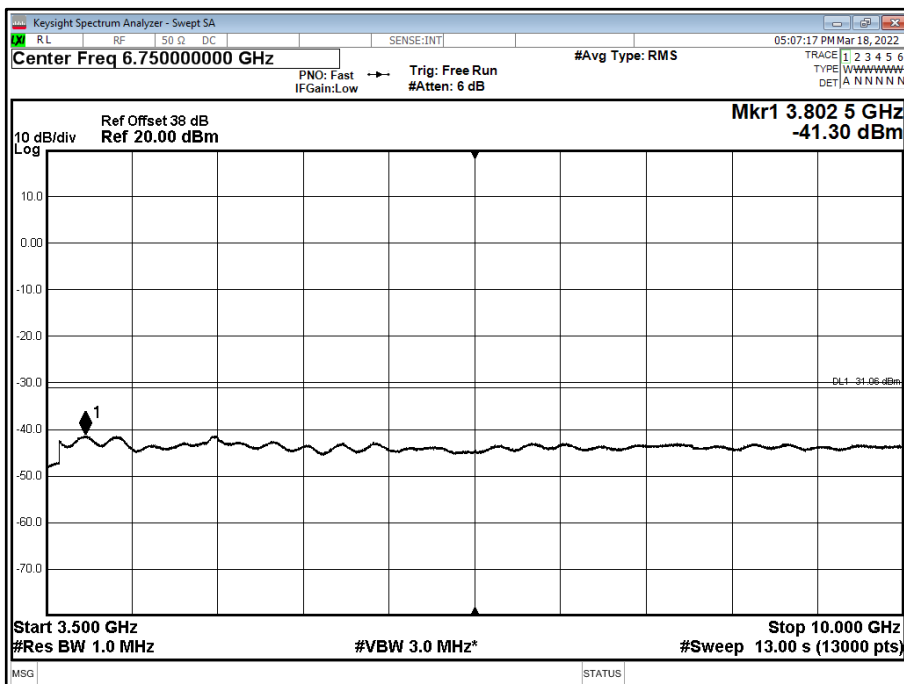




Antenna 1 - LTE Modulation 16QAM - LTE Carrier Bandwidth 15.0 MHz - Channel Position B - Band 2 - Range 3500 to 10000 MHz

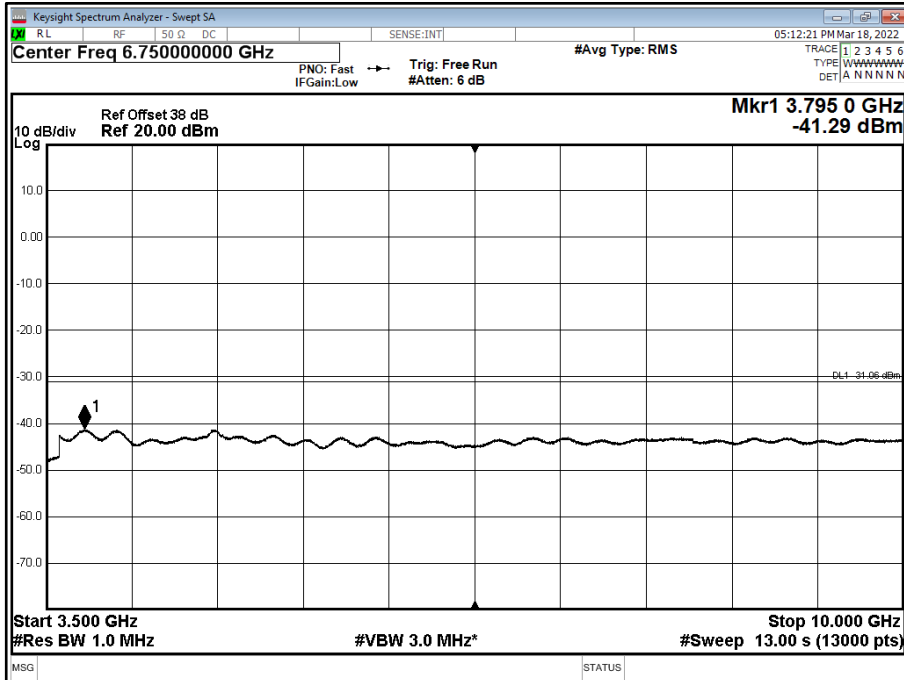


Antenna 1 - LTE Modulation 16QAM - LTE Carrier Bandwidth 15.0 MHz - Channel Position M - Band 2 - Range 3500 to 10000 MHz

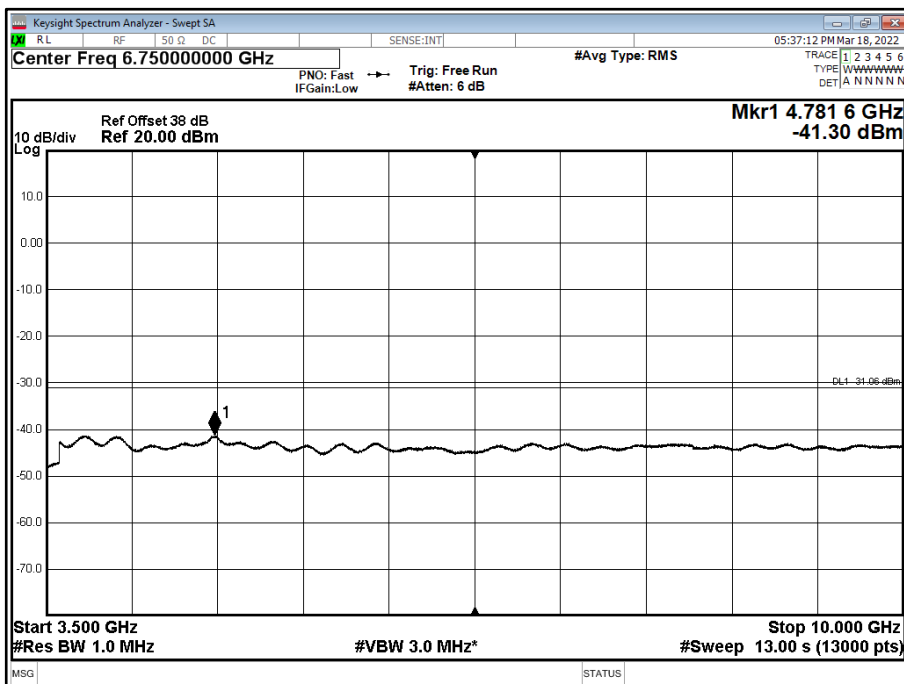




Antenna 1 - LTE Modulation 16QAM - LTE Carrier Bandwidth 15.0 MHz - Channel Position T - Band 2 - Range 3500 to 10000 MHz

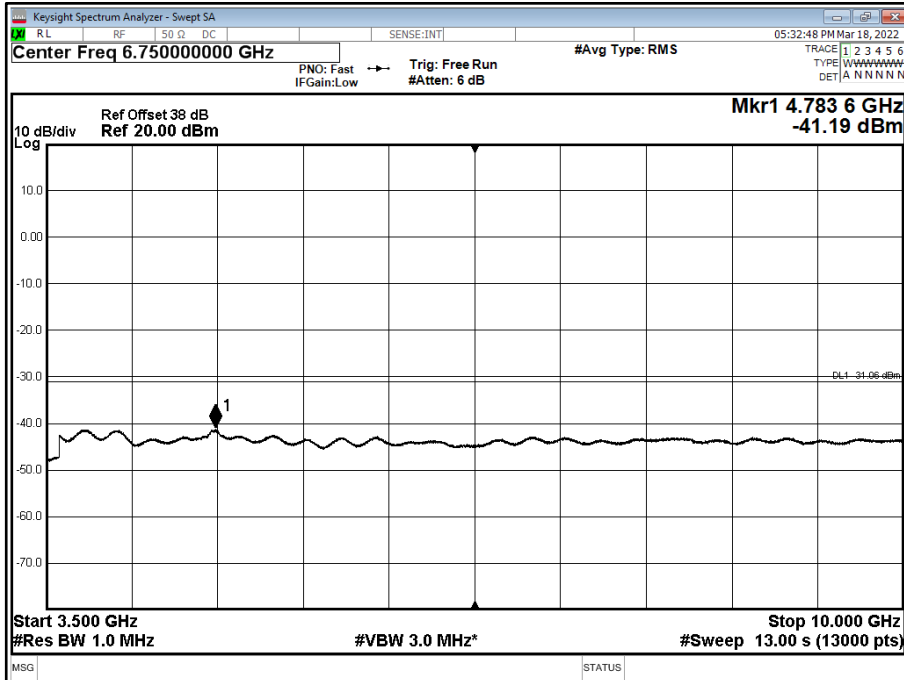


Antenna 1 - LTE Modulation 16QAM - LTE Carrier Bandwidth 20.0 MHz - Channel Position B - Band 2 - Range 3500 to 10000 MHz

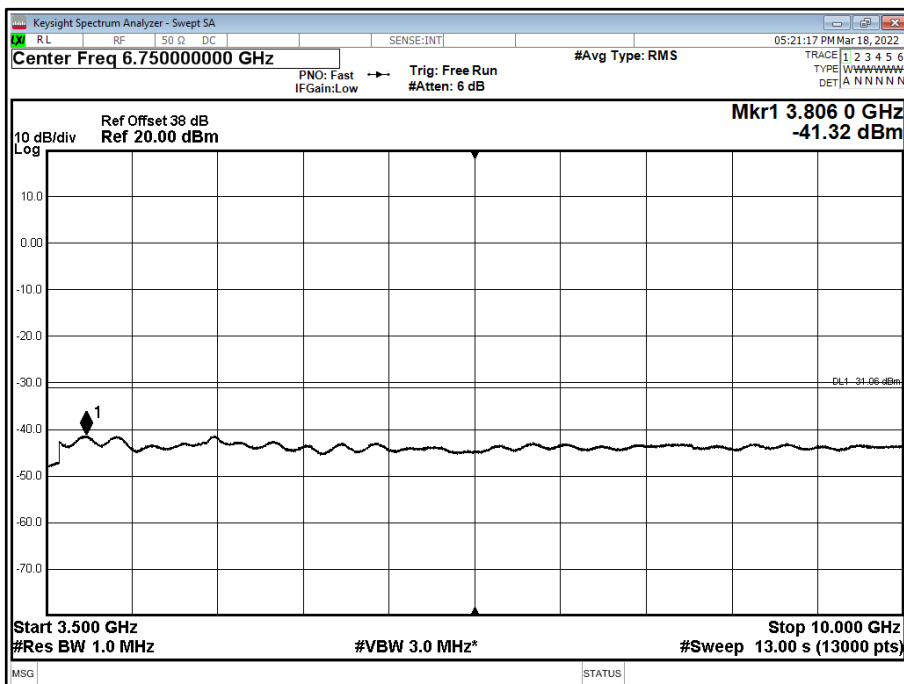




Antenna 1 - LTE Modulation 16QAM - LTE Carrier Bandwidth 20.0 MHz - Channel Position M - Band 2 - Range 3500 to 10000 MHz

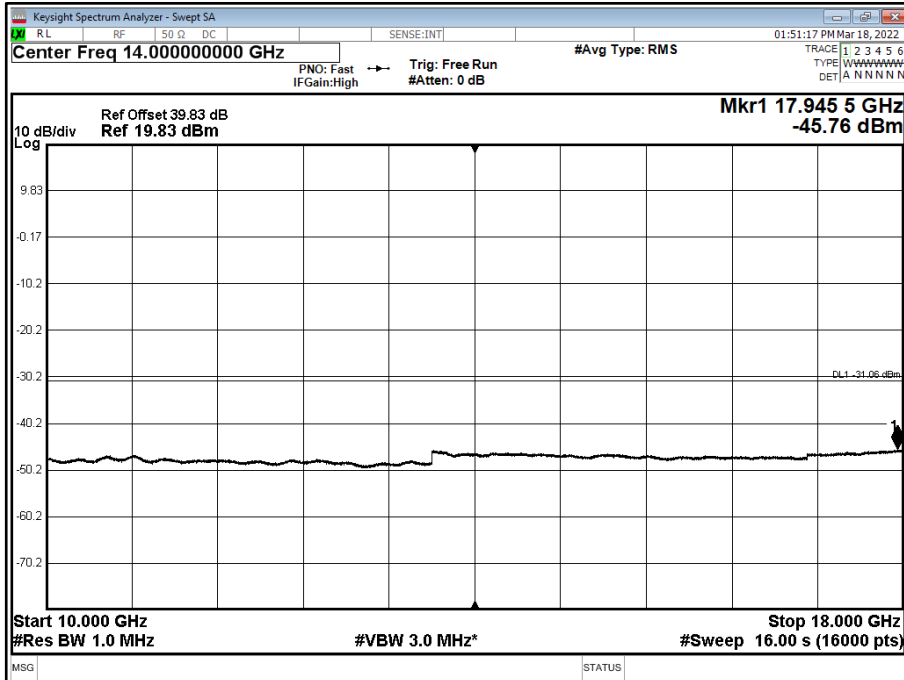


Antenna 1 - LTE Modulation 16QAM - LTE Carrier Bandwidth 20.0 MHz - Channel Position T - Band 2 - Range 3500 to 10000 MHz

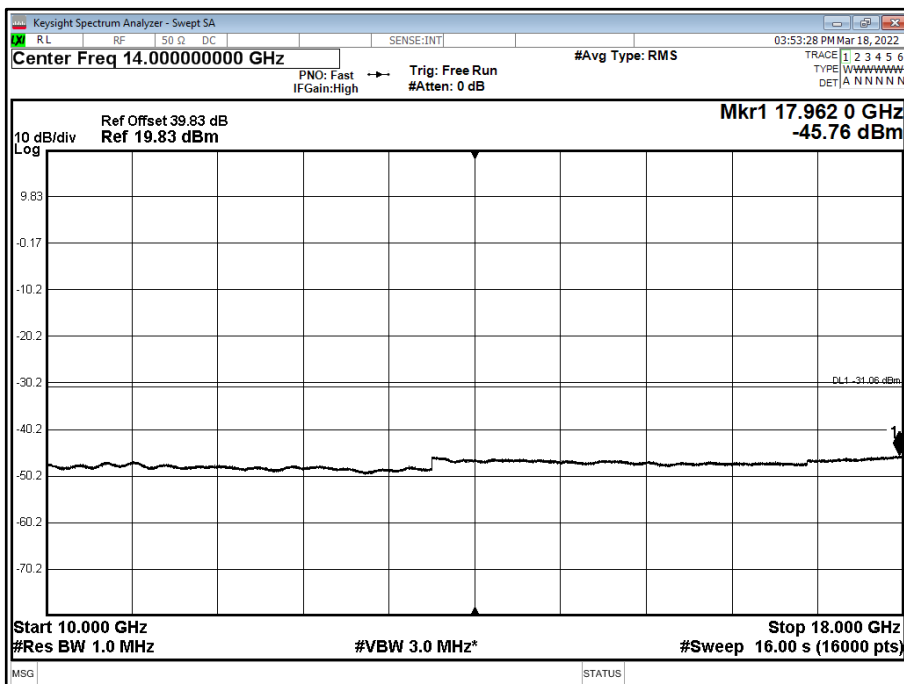




Antenna 1 - LTE Modulation 16QAM - LTE Carrier Bandwidth 10.0 MHz - Channel Position B - Band 3 - Range 10000 to 18000 MHz

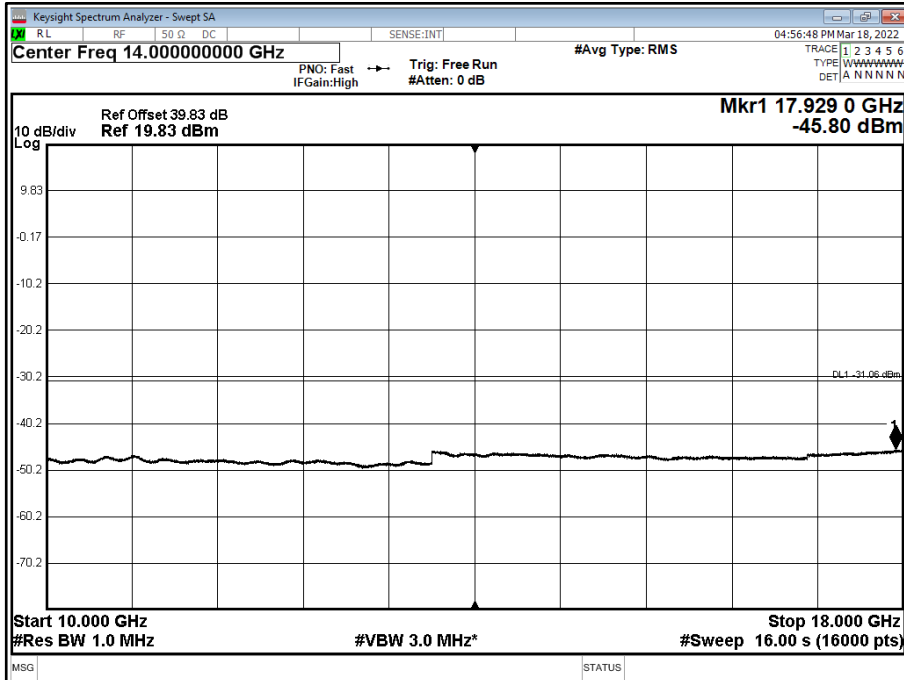


Antenna 1 - LTE Modulation 16QAM - LTE Carrier Bandwidth 10.0 MHz - Channel Position M - Band 3 - Range 10000 to 18000 MHz

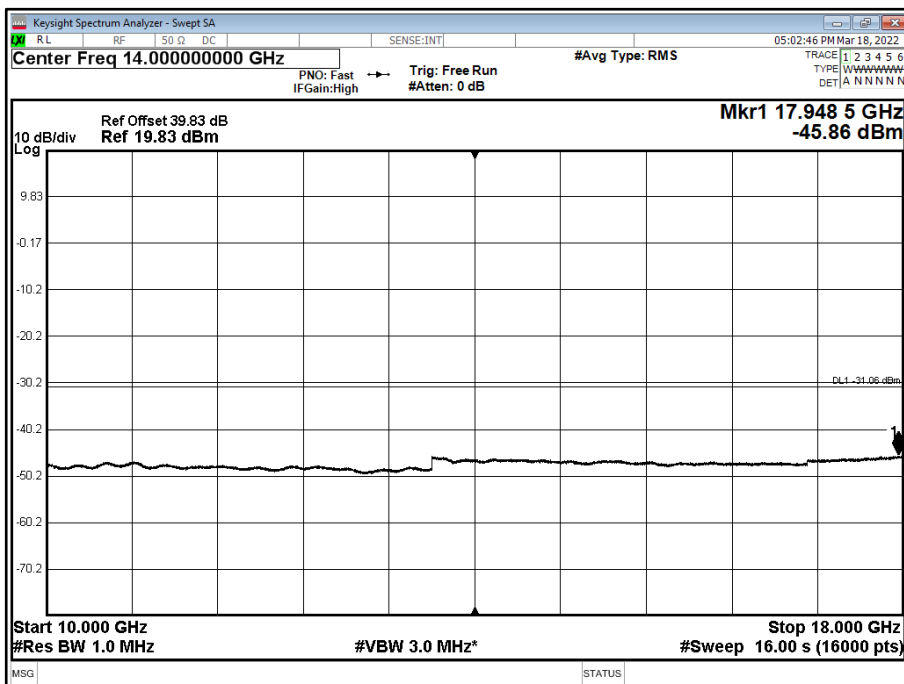




Antenna 1 - LTE Modulation 16QAM - LTE Carrier Bandwidth 10.0 MHz - Channel Position T - Band 3 - Range 10000 to 18000 MHz

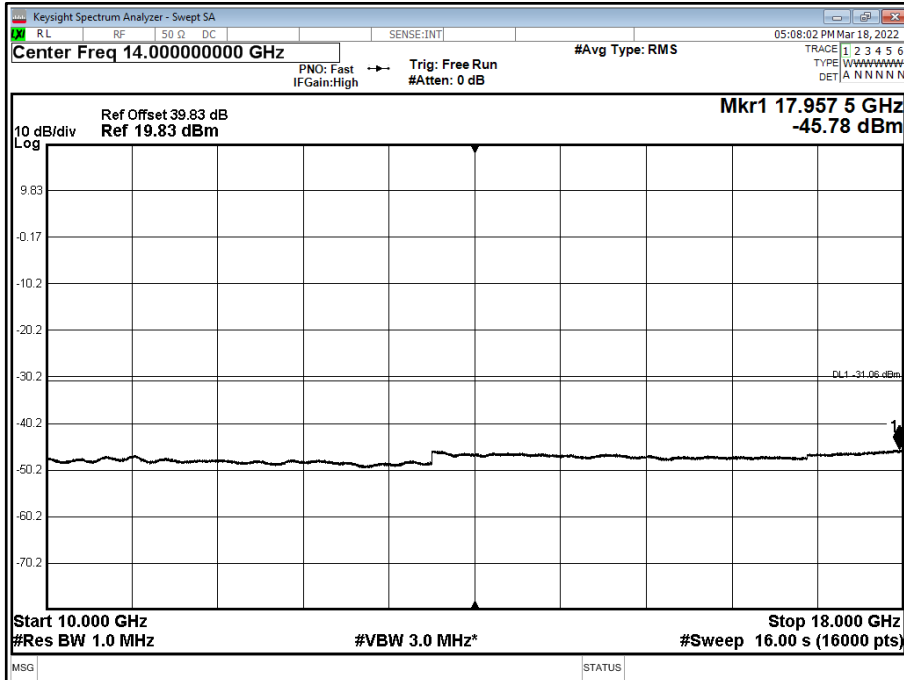


Antenna 1 - LTE Modulation 16QAM - LTE Carrier Bandwidth 15.0 MHz - Channel Position B - Band 3 - Range 10000 to 18000 MHz

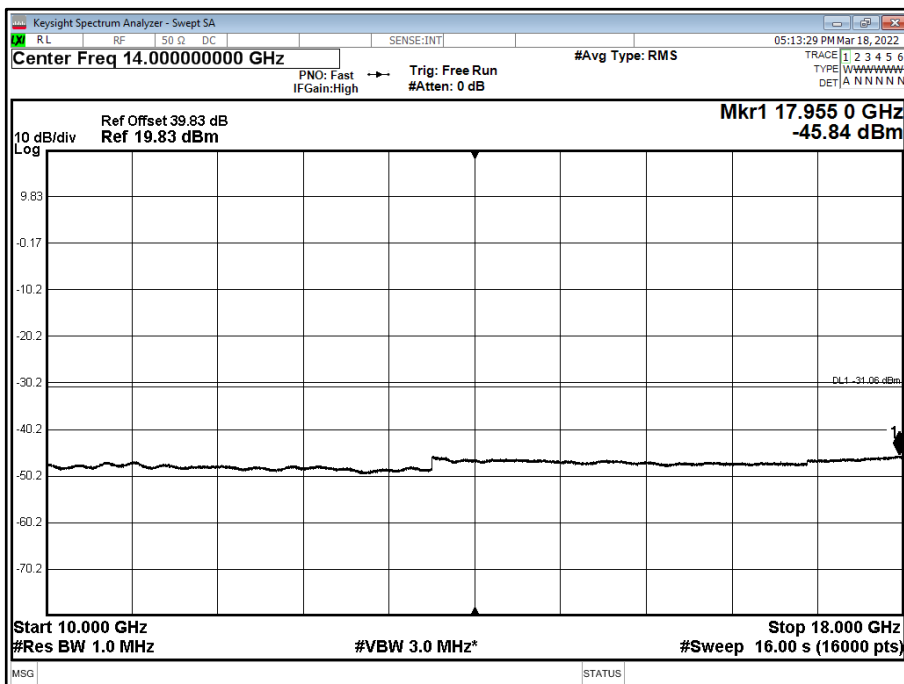




Antenna 1 - LTE Modulation 16QAM - LTE Carrier Bandwidth 15.0 MHz - Channel Position M - Band 3 - Range 10000 to 18000 MHz

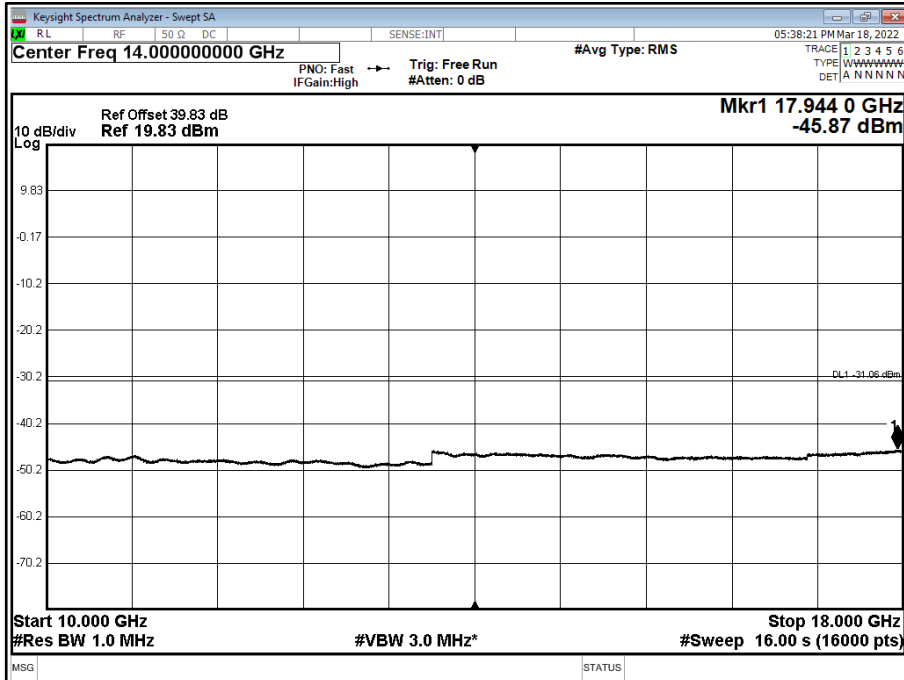


Antenna 1 - LTE Modulation 16QAM - LTE Carrier Bandwidth 15.0 MHz - Channel Position T - Band 3 - Range 10000 to 18000 MHz

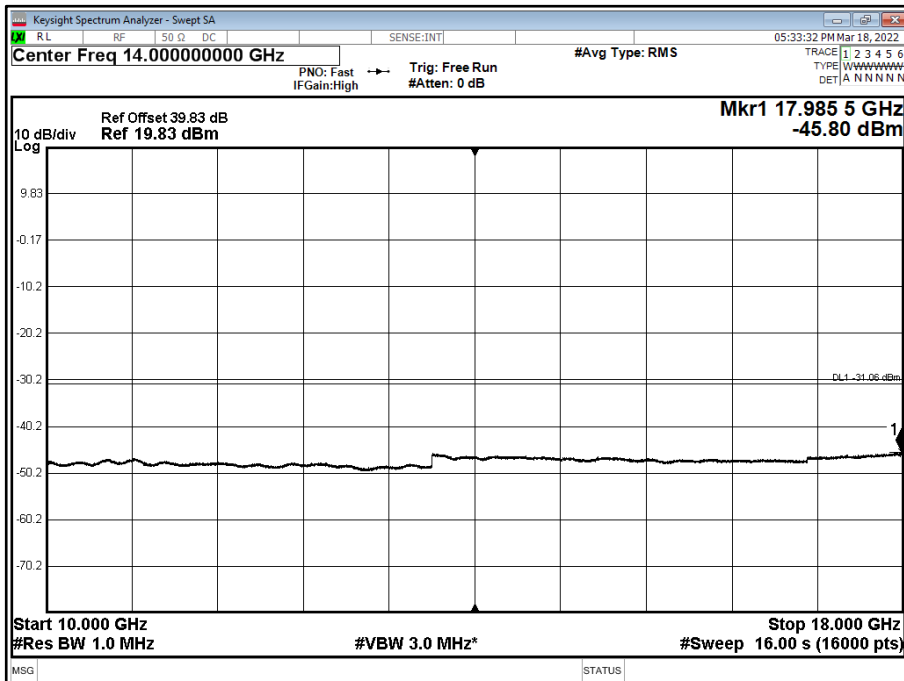




Antenna 1 - LTE Modulation 16QAM - LTE Carrier Bandwidth 20.0 MHz - Channel Position B - Band 3 - Range 10000 to 18000 MHz



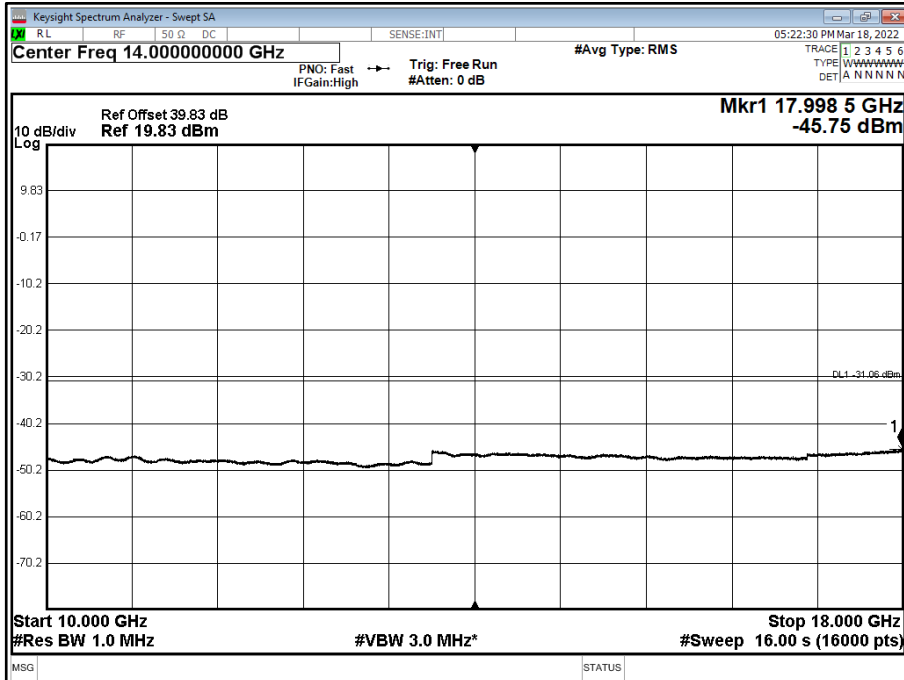
Antenna 1 - LTE Modulation 16QAM - LTE Carrier Bandwidth 20.0 MHz - Channel Position M - Band 3 - Range 10000 to 18000 MHz



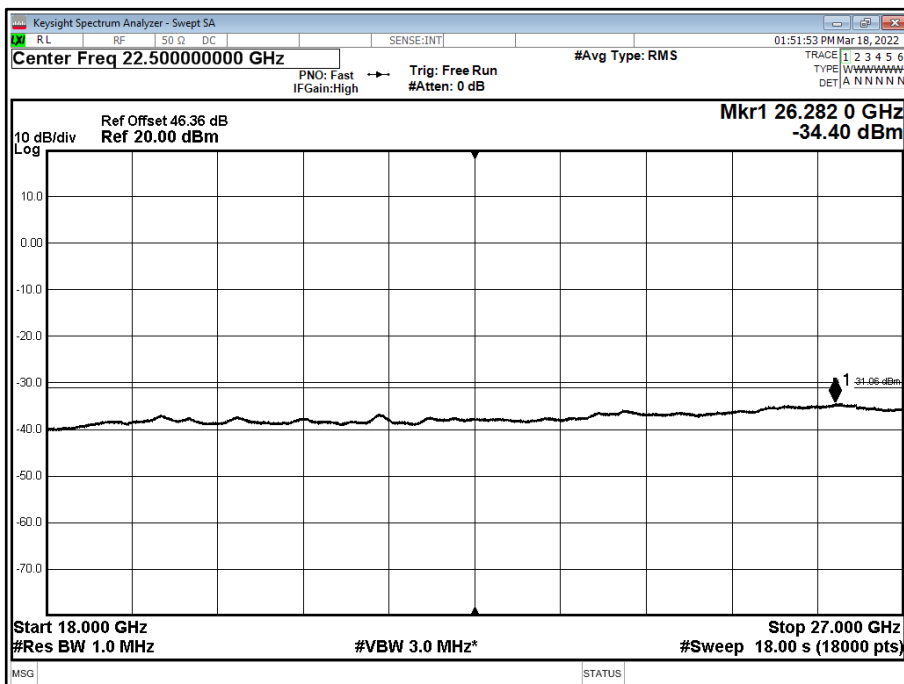




Antenna 1 - LTE Modulation 16QAM - LTE Carrier Bandwidth 20.0 MHz - Channel Position T - Band 3 - Range 10000 to 18000 MHz

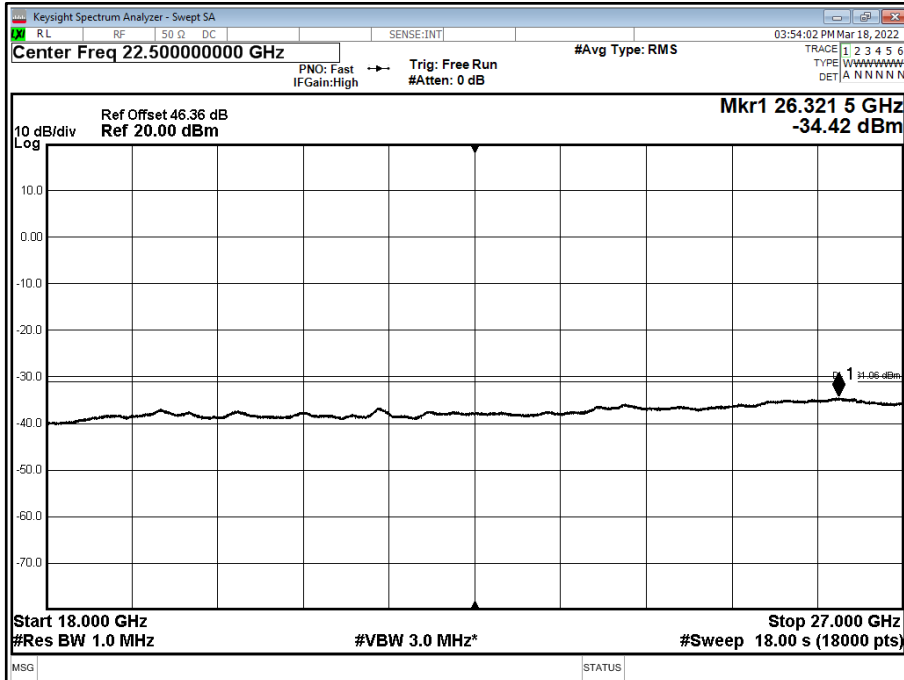


Antenna 1 - LTE Modulation 16QAM - LTE Carrier Bandwidth 10.0 MHz - Channel Position B - Band 4 - Range 18000 to 27000 MHz

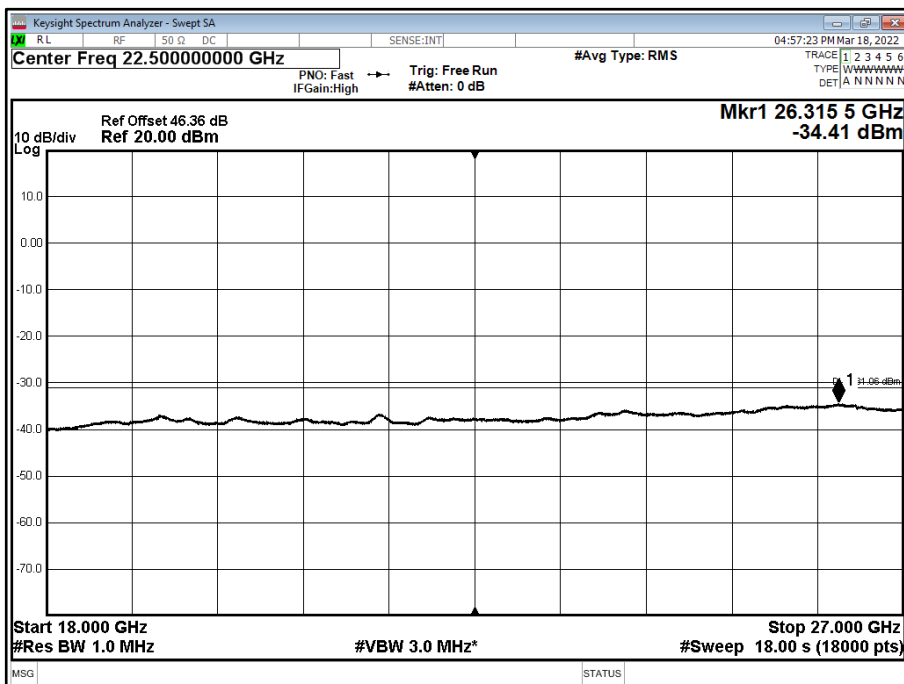




Antenna 1 - LTE Modulation 16QAM - LTE Carrier Bandwidth 10.0 MHz - Channel Position M - Band 4 - Range 18000 to 27000 MHz

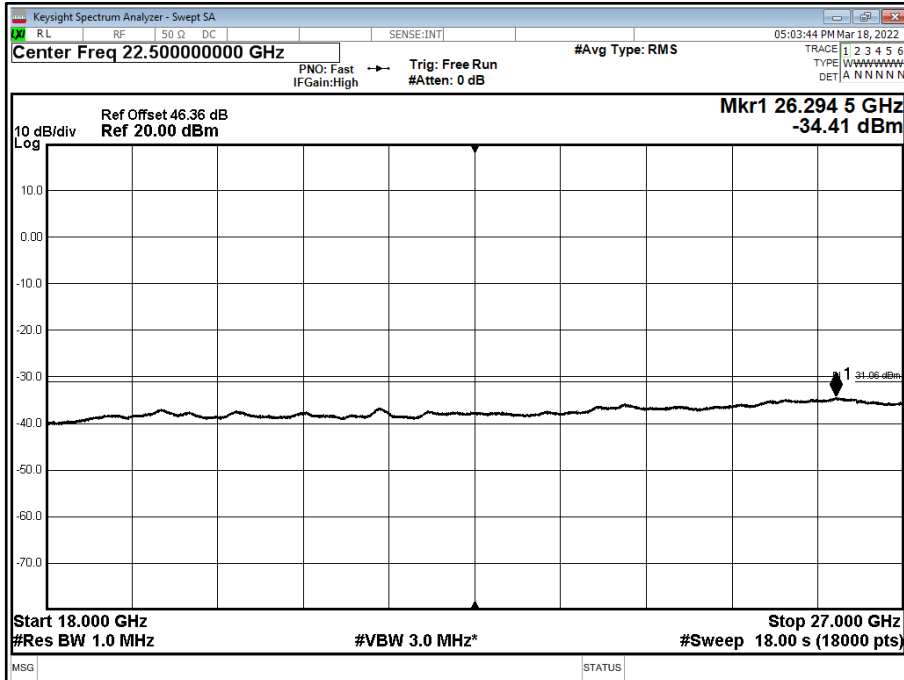


Antenna 1 - LTE Modulation 16QAM - LTE Carrier Bandwidth 10.0 MHz - Channel Position T - Band 4 - Range 18000 to 27000 MHz

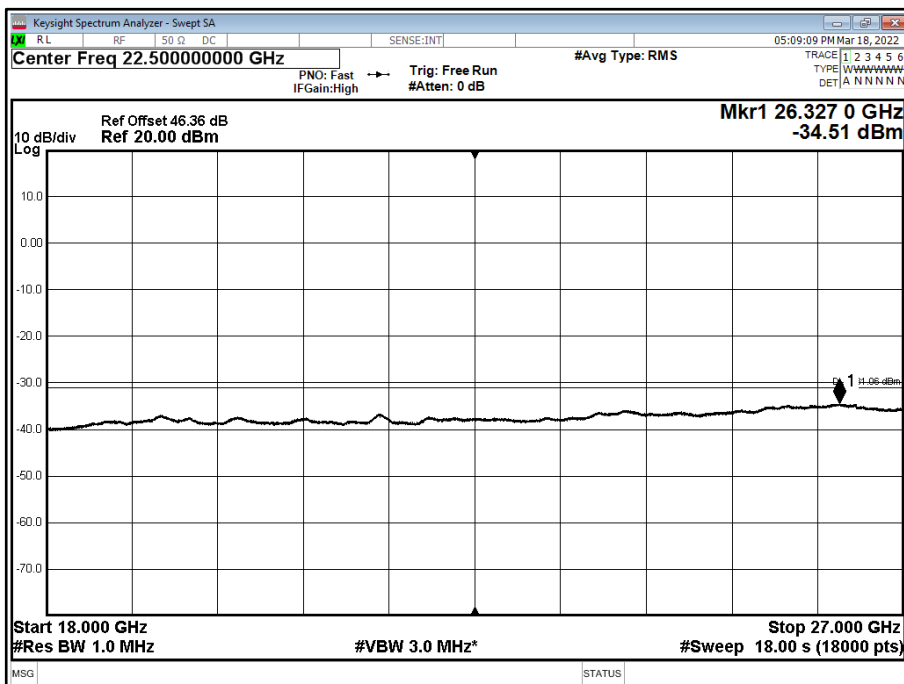




Antenna 1 - LTE Modulation 16QAM - LTE Carrier Bandwidth 15.0 MHz - Channel Position B - Band 4 - Range 18000 to 27000 MHz

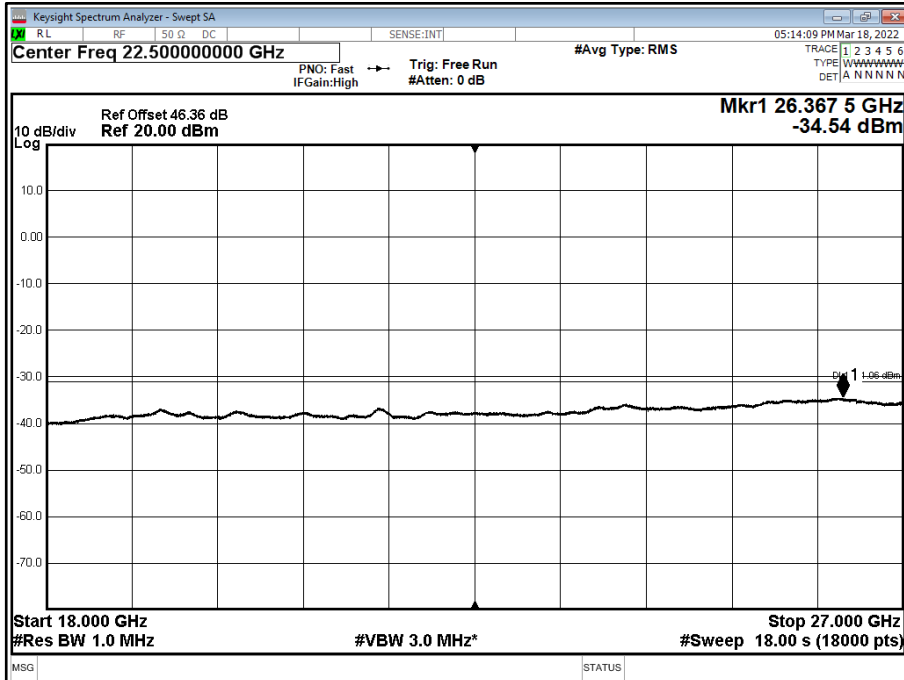


Antenna 1 - LTE Modulation 16QAM - LTE Carrier Bandwidth 15.0 MHz - Channel Position M - Band 4 - Range 18000 to 27000 MHz

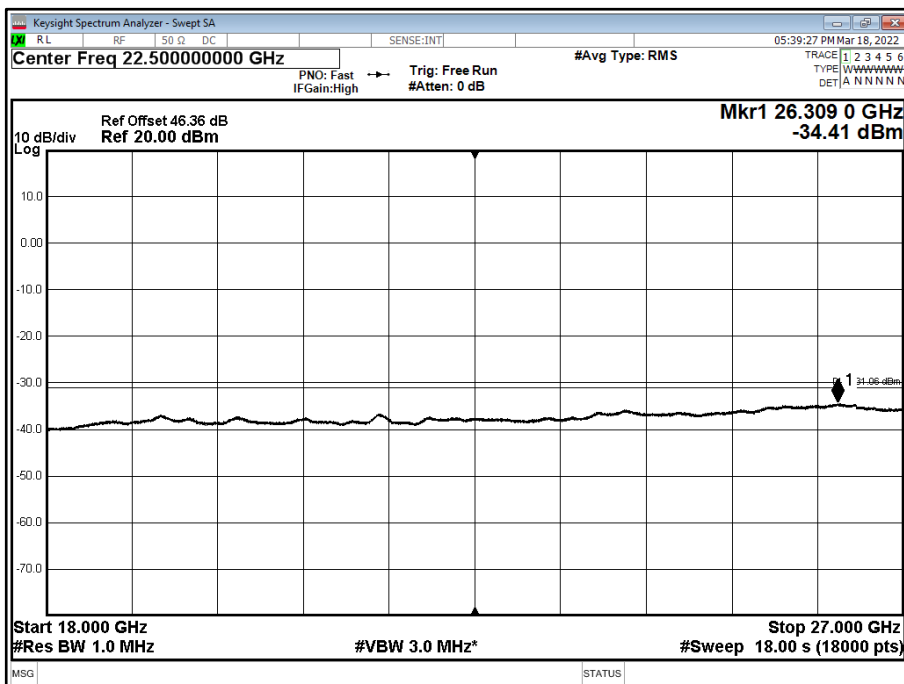




Antenna 1 - LTE Modulation 16QAM - LTE Carrier Bandwidth 15.0 MHz - Channel Position T - Band 4 - Range 18000 to 27000 MHz

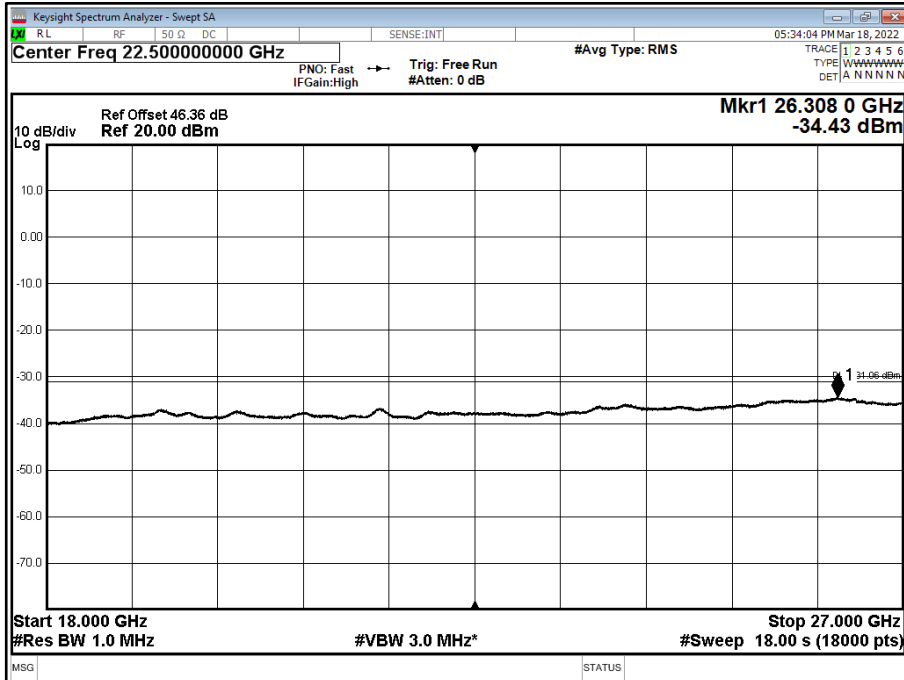


Antenna 1 - LTE Modulation 16QAM - LTE Carrier Bandwidth 20.0 MHz - Channel Position B - Band 4 - Range 18000 to 27000 MHz

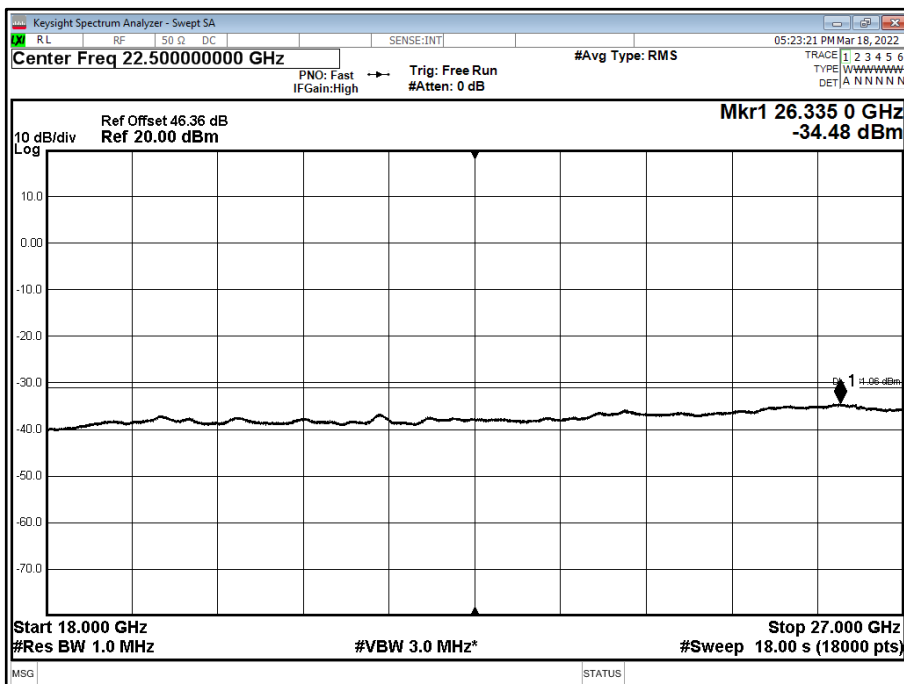




Antenna 1 - LTE Modulation 16QAM - LTE Carrier Bandwidth 20.0 MHz - Channel Position M - Band 4 - Range 18000 to 27000 MHz



Antenna 1 - LTE Modulation 16QAM - LTE Carrier Bandwidth 20.0 MHz - Channel Position T - Band 4 - Range 18000 to 27000 MHz

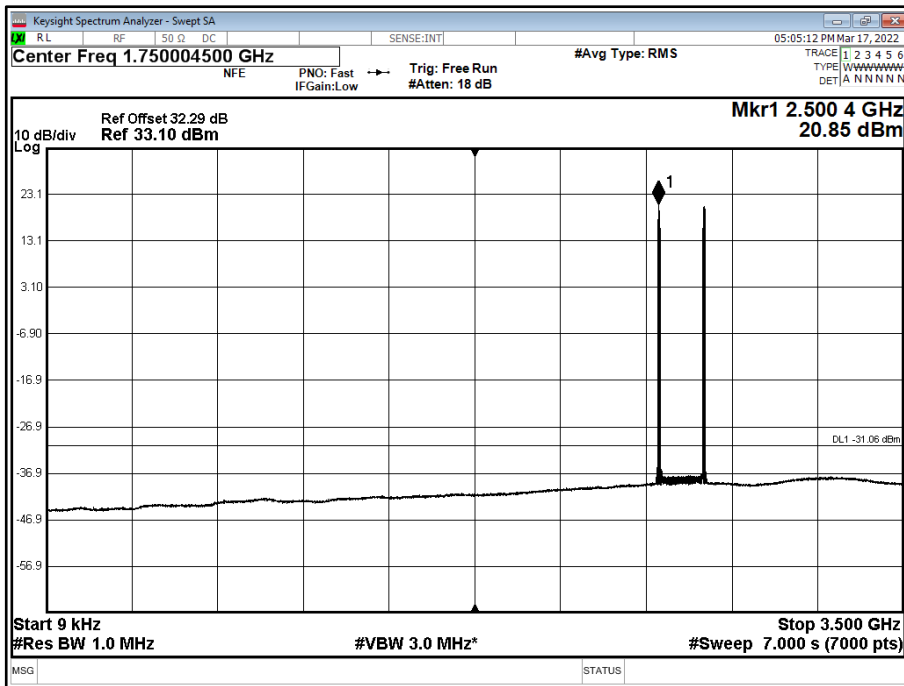




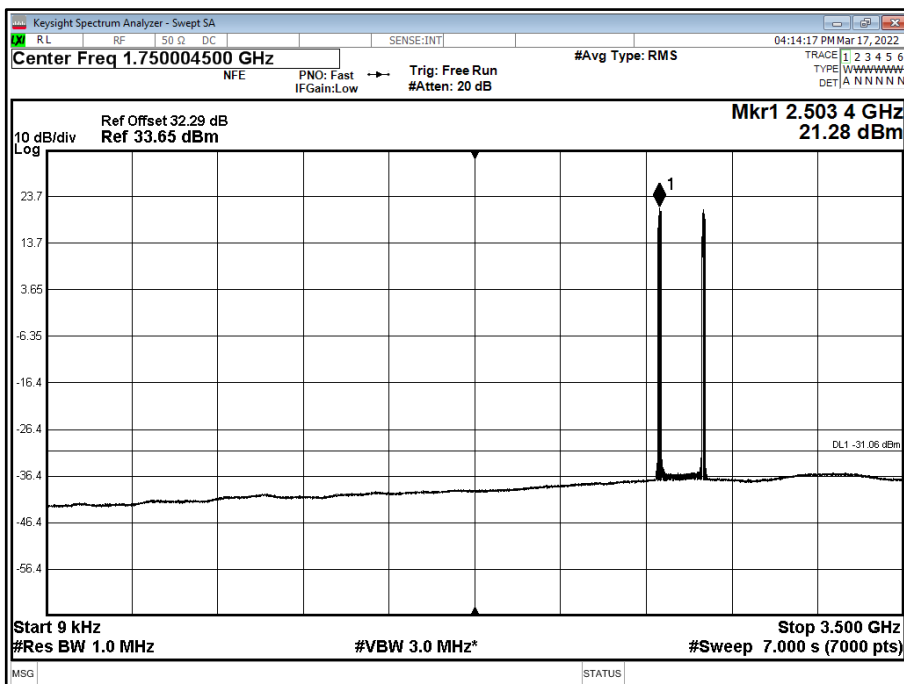
### Configuration 4

Maximum Output Power per Carrier 2x27.96, 2x 29.72, 2x30.97 dBm

Antenna 1 - LTE Modulation 16QAM - LTE Carrier Bandwidth 10.0 MHz - Channel Position M - Band 1 - Range 0.009 to 3500 MHz

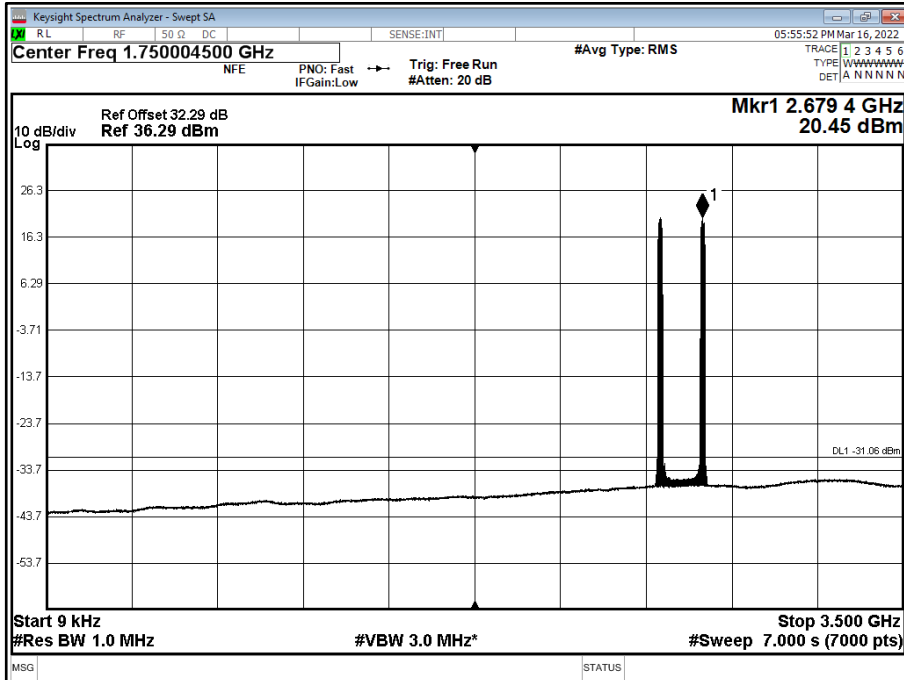


Antenna 1 - LTE Modulation 16QAM - LTE Carrier Bandwidth 15.0 MHz - Channel Position M - Band 1 - Range 0.009 to 3500 MHz

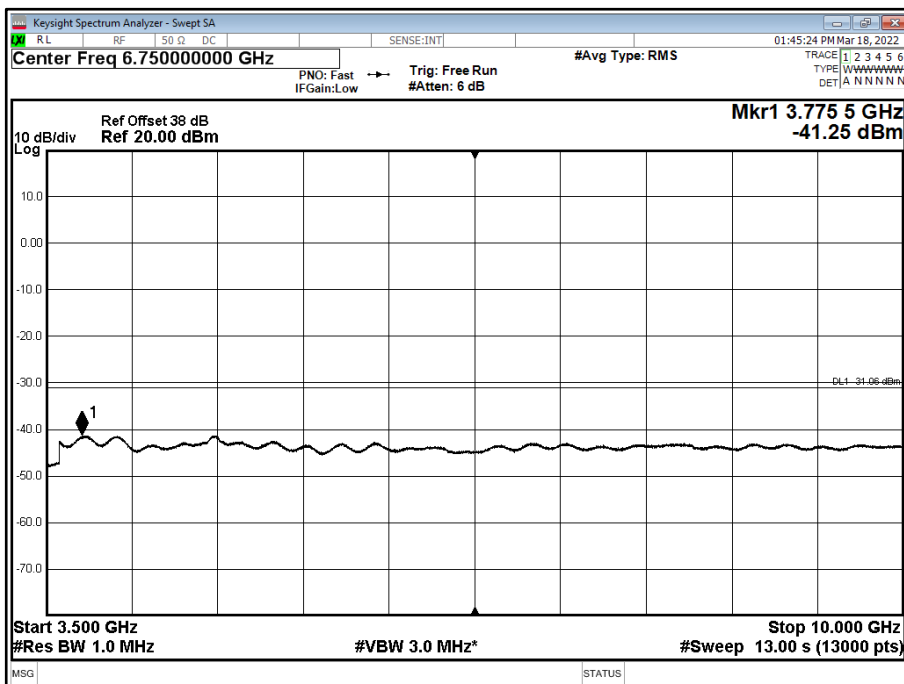




Antenna 1 - LTE Modulation 16QAM - LTE Carrier Bandwidth 20.0 MHz - Channel Position M - Band 1 - Range 0.009 to 3500 MHz

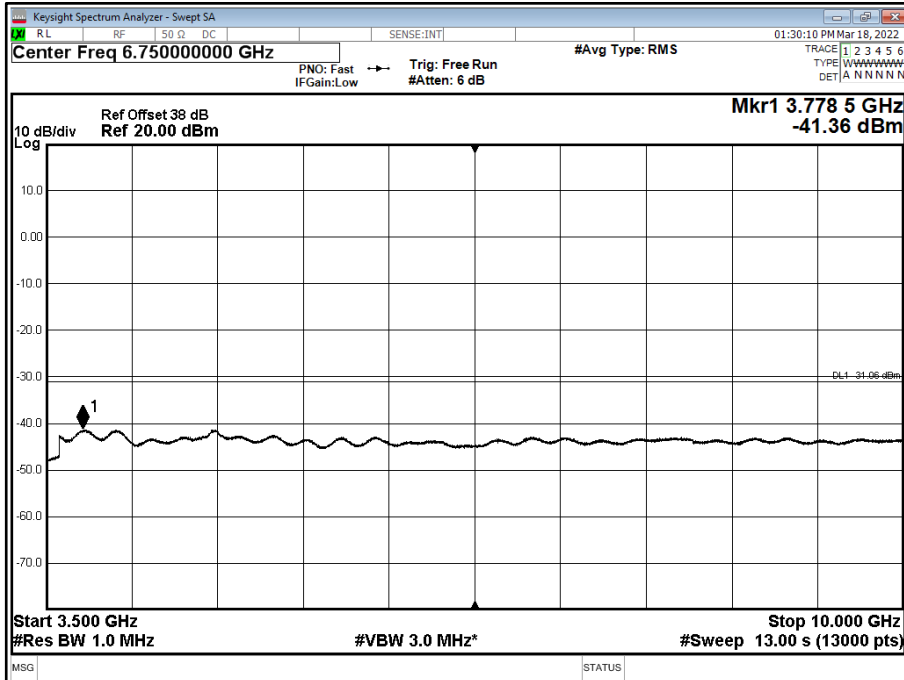


Antenna 1 - LTE Modulation 16QAM - LTE Carrier Bandwidth 10.0 MHz - Channel Position M - Band 2 - Range 3500 to 10000 MHz

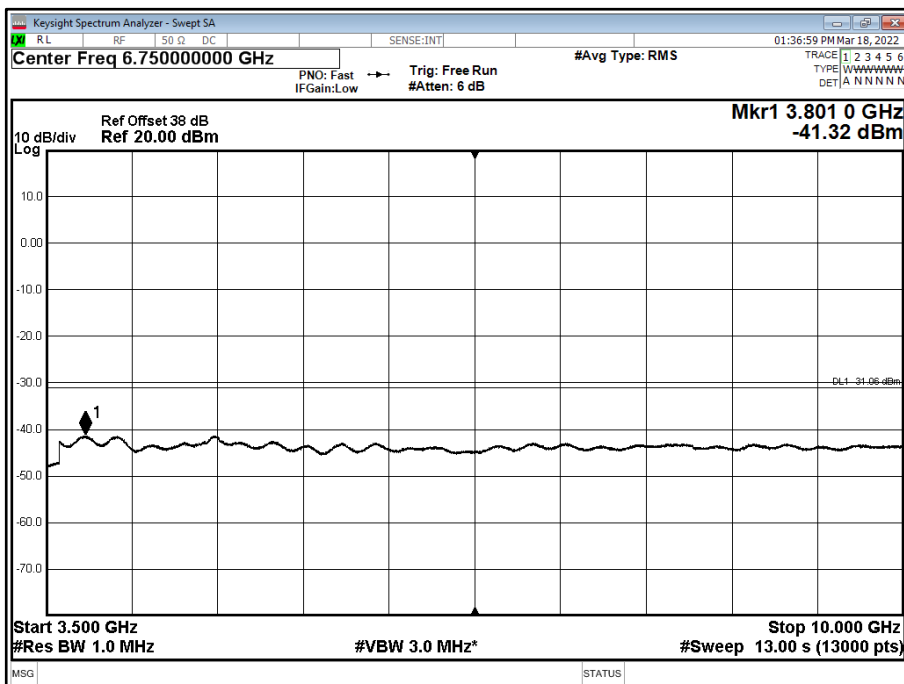




Antenna 1 - LTE Modulation 16QAM - LTE Carrier Bandwidth 15.0 MHz - Channel Position M - Band 2 - Range 3500 to 10000 MHz



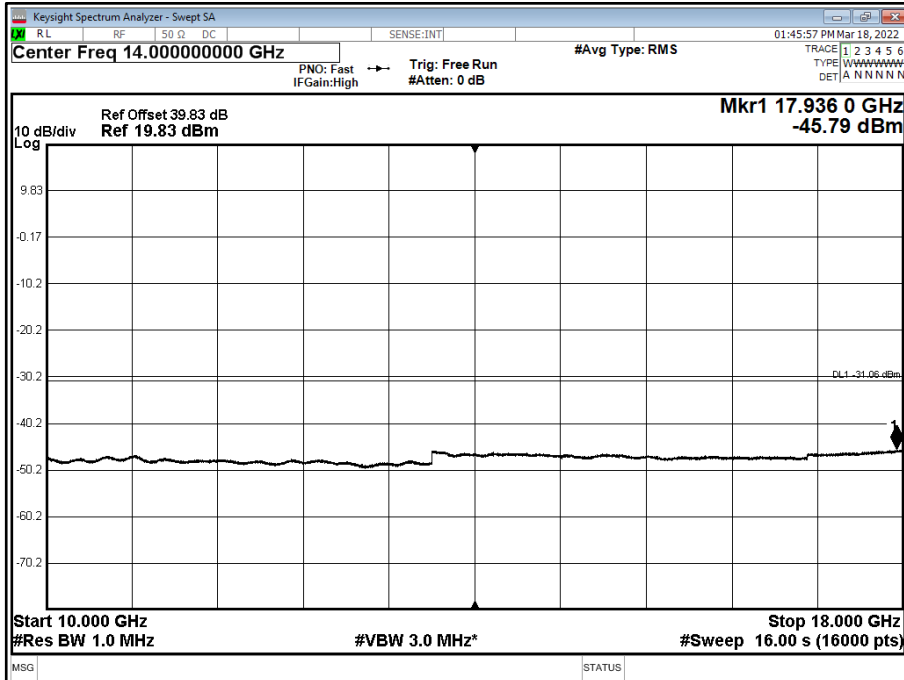
Antenna 1 - LTE Modulation 16QAM - LTE Carrier Bandwidth 20.0 MHz - Channel Position M - Band 2 - Range 3500 to 10000 MHz



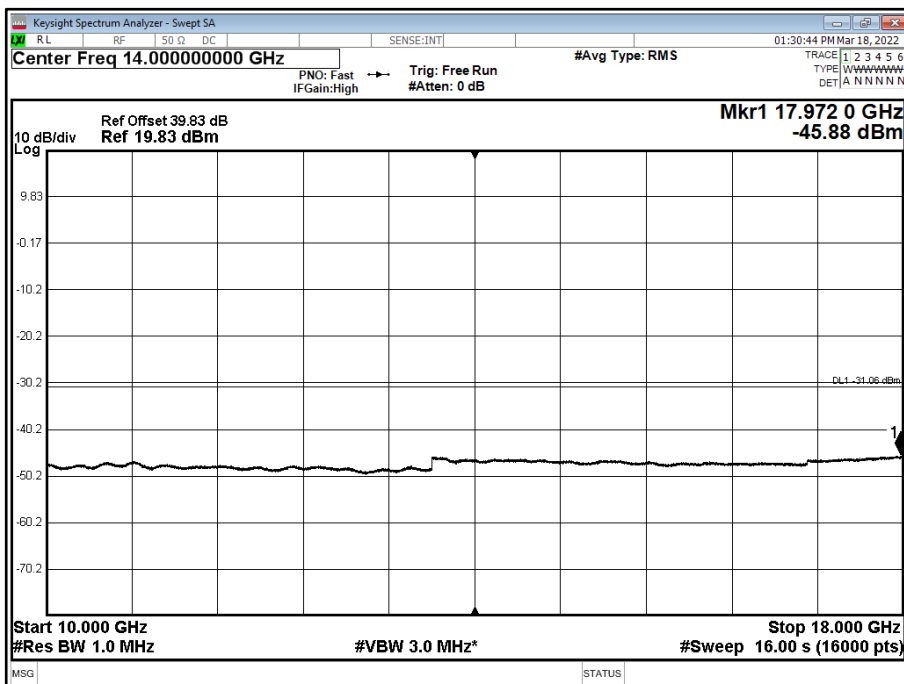




Antenna 1 - LTE Modulation 16QAM - LTE Carrier Bandwidth 10.0 MHz - Channel Position M - Band 3 - Range 10000 to 18000 MHz

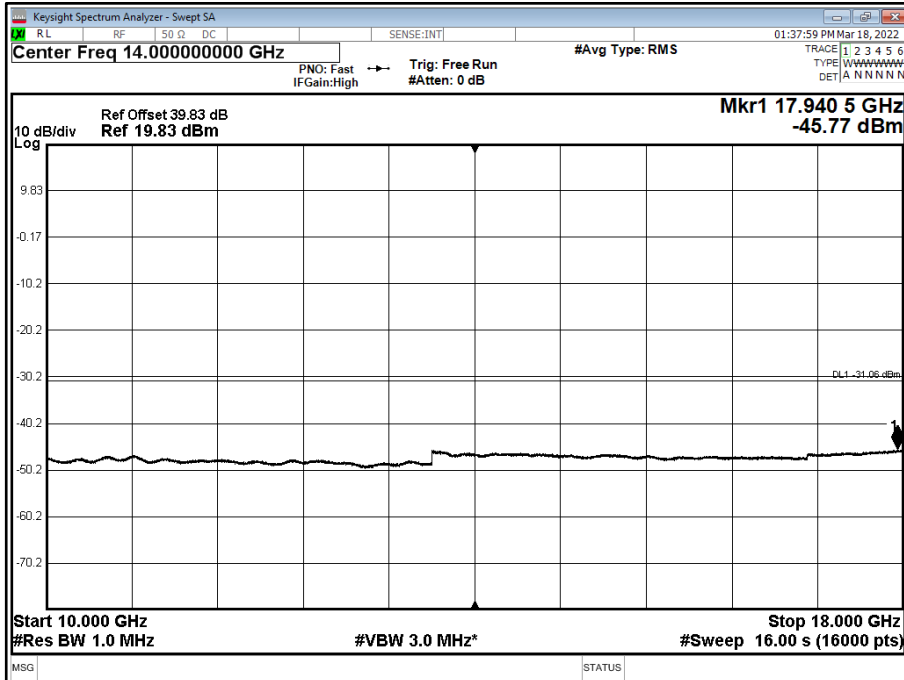


Antenna 1 - LTE Modulation 16QAM - LTE Carrier Bandwidth 15.0 MHz - Channel Position M - Band 3 - Range 10000 to 18000 MHz

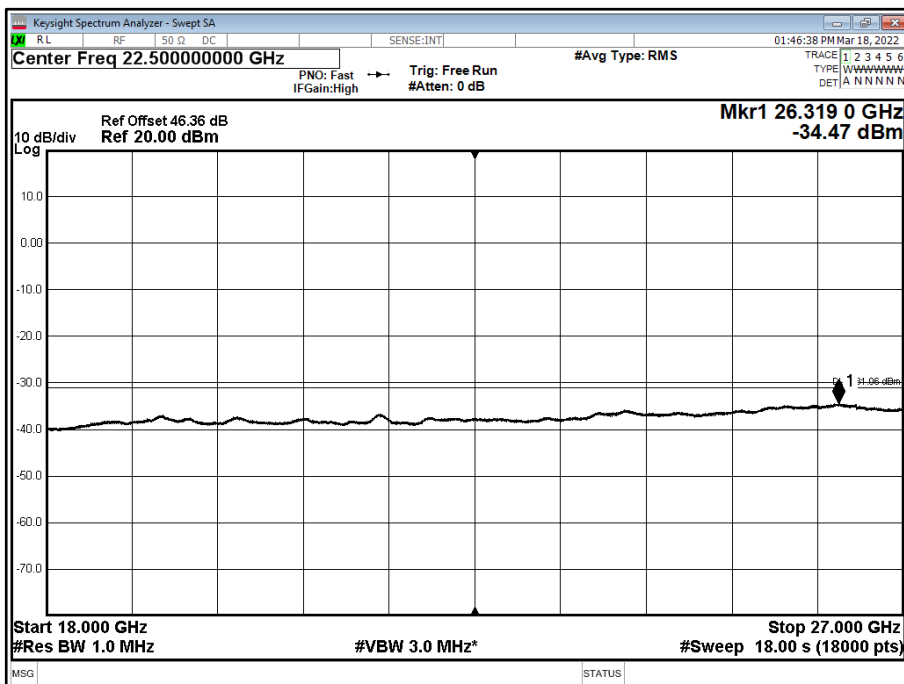




Antenna 1 - LTE Modulation 16QAM - LTE Carrier Bandwidth 20.0 MHz - Channel Position M - Band 3 - Range 10000 to 18000 MHz

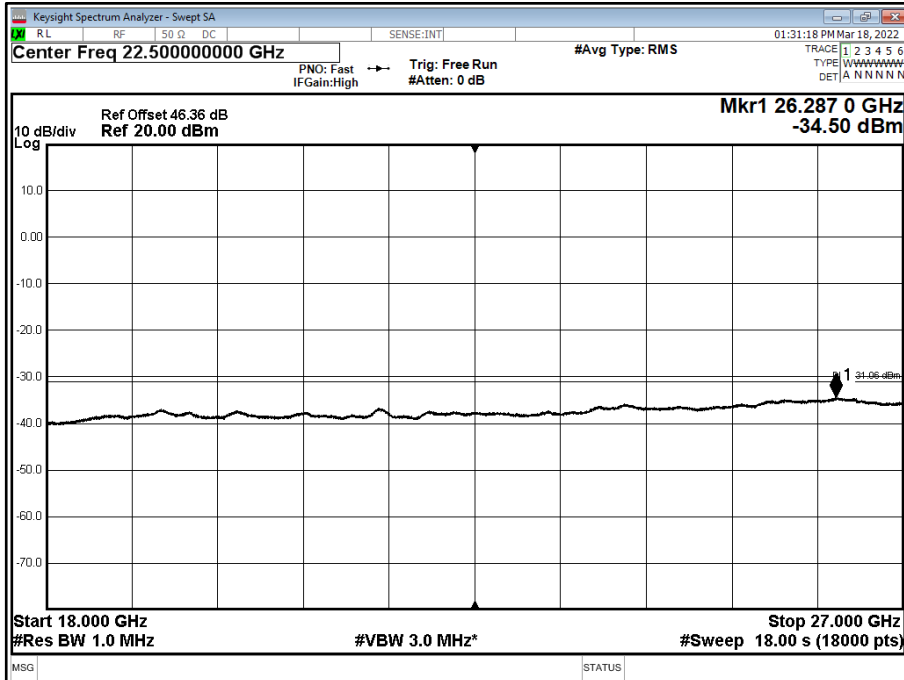


Antenna 1 - LTE Modulation 16QAM - LTE Carrier Bandwidth 10.0 MHz - Channel Position M - Band 4 - Range 18000 to 27000 MHz

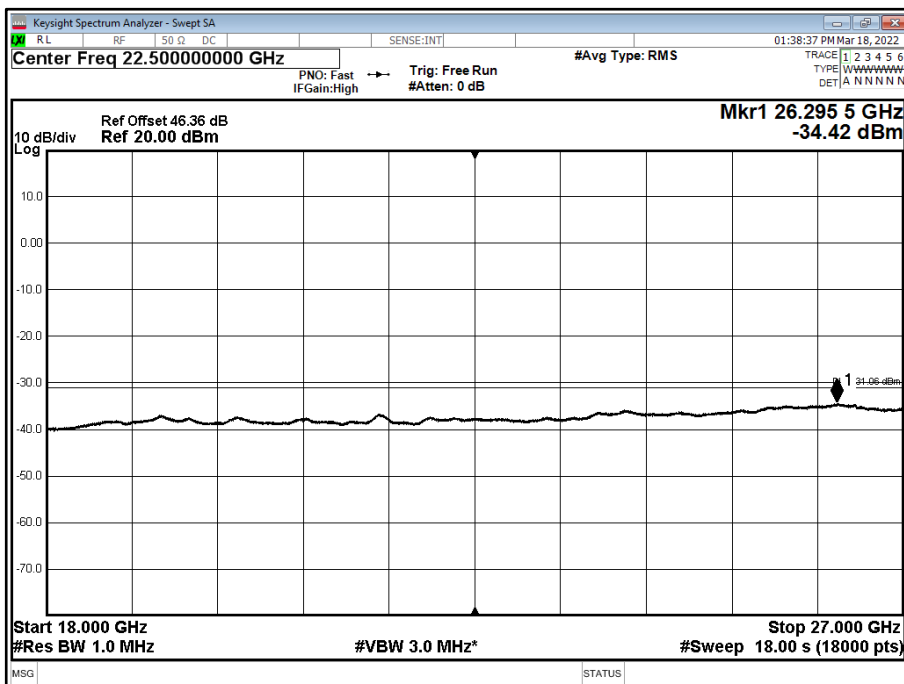




Antenna 1 - LTE Modulation 16QAM - LTE Carrier Bandwidth 15.0 MHz - Channel Position M - Band 4 - Range 18000 to 27000 MHz



Antenna 1 - LTE Modulation 16QAM - LTE Carrier Bandwidth 20.0 MHz - Channel Position M - Band 4 - Range 18000 to 27000 MHz

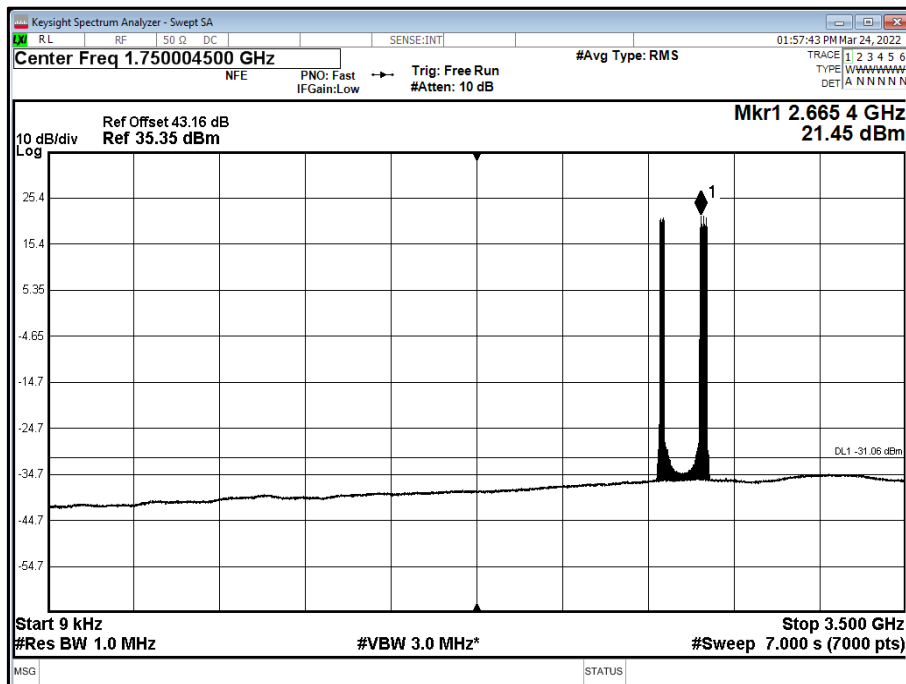




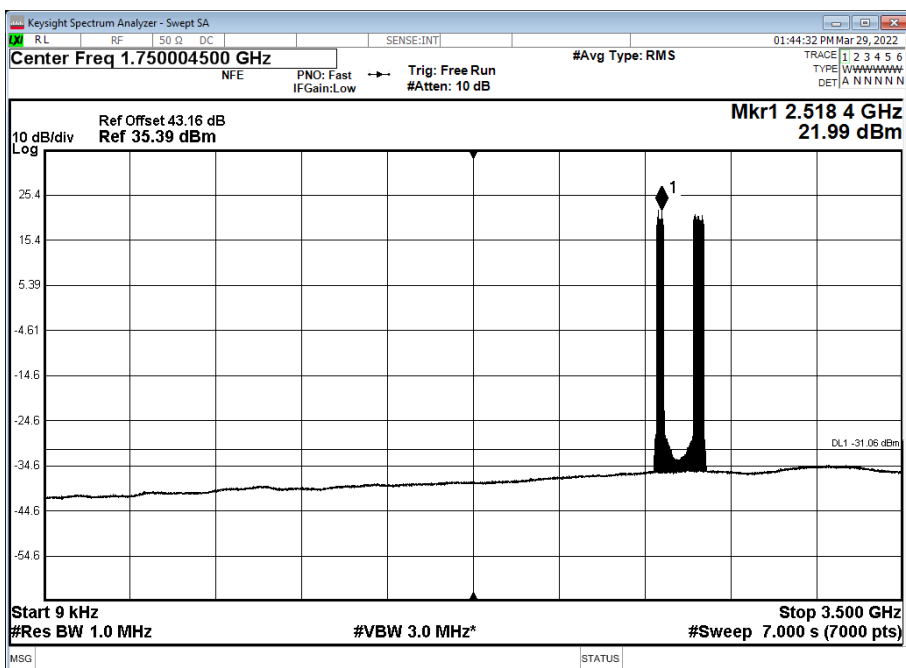
Configuration 5

Maximum Output Power per Carrier 5x27.96,5x 29.72, 5x30.97 dBm

Antenna 59 - LTE Modulation 16QAM - LTE Carrier Bandwidth 10.0 MHz - Channel Position M - Band 1 - Range 0.009 to 3500 MHz

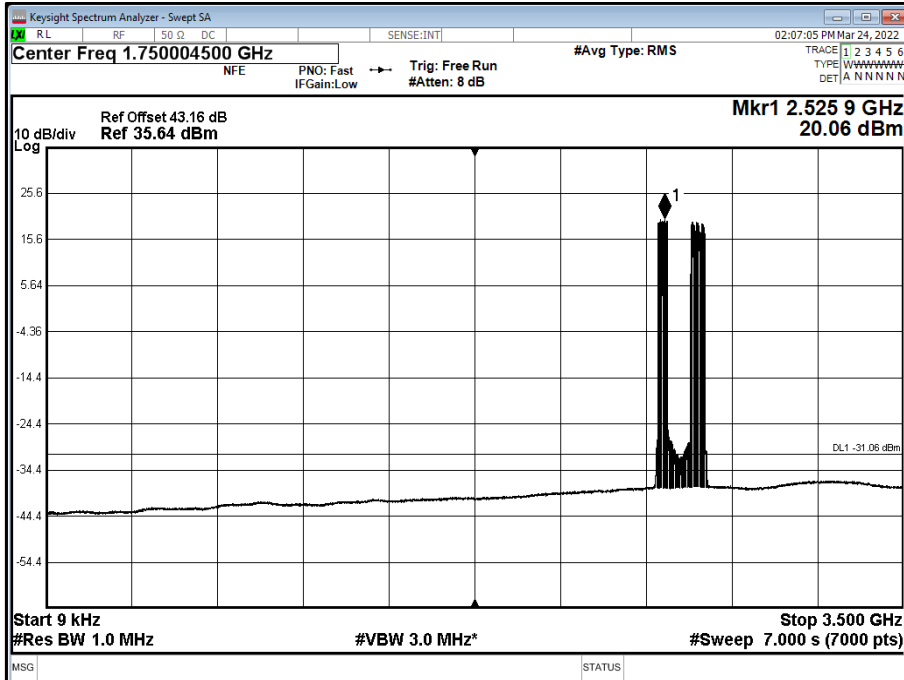


Antenna 59 - LTE Modulation 16QAM - LTE Carrier Bandwidth 15.0 MHz - Channel Position M - Band 1 - Range 0.009 to 3500 MHz

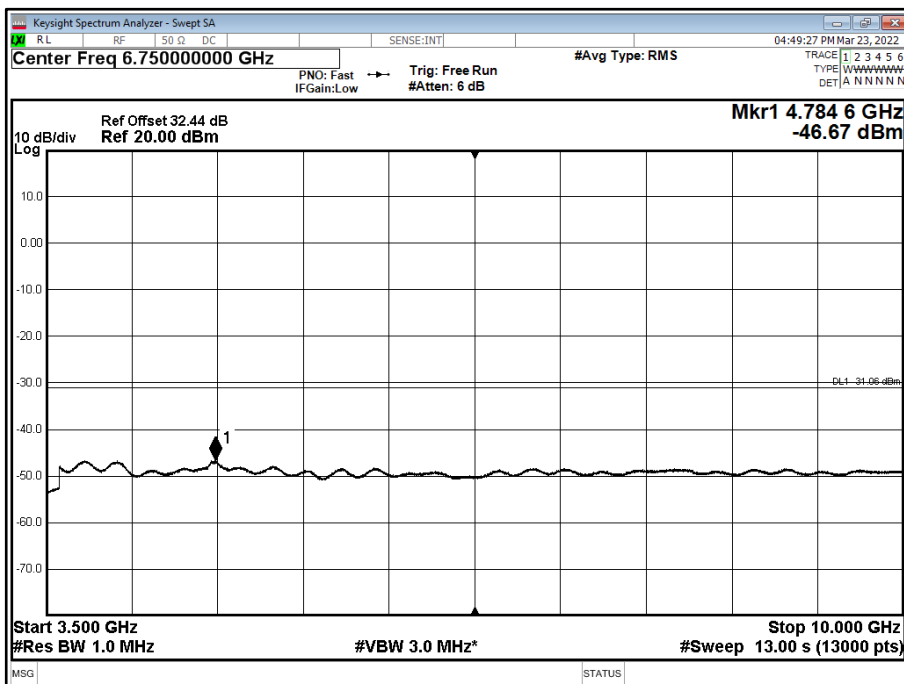




Antenna 59 - LTE Modulation 16QAM - LTE Carrier Bandwidth 20.0 MHz - Channel Position M - Band 1 - Range 0.009 to 3500 MHz

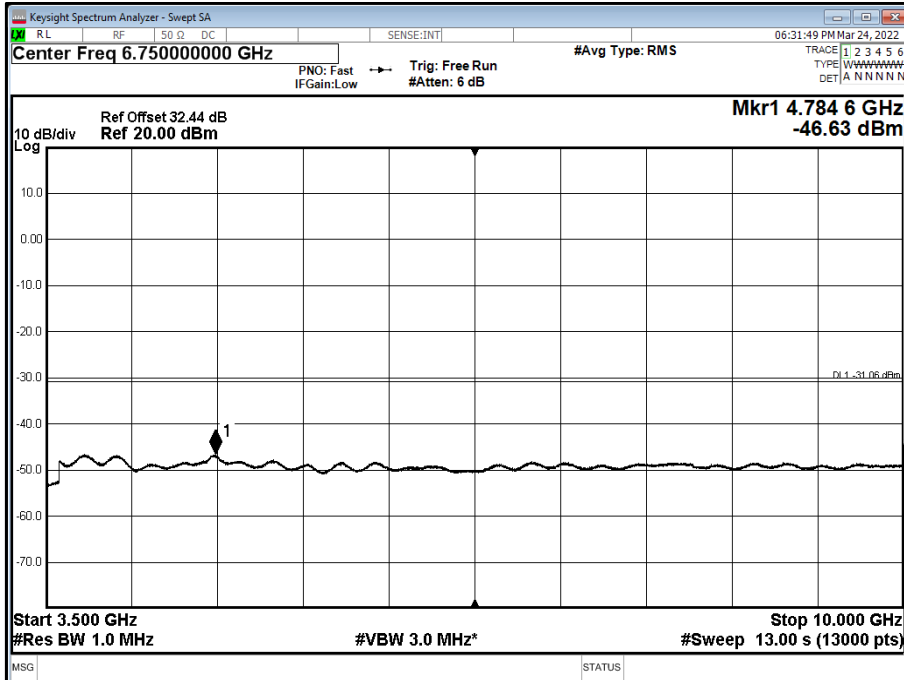


Antenna 59 - LTE Modulation 16QAM - LTE Carrier Bandwidth 10.0 MHz - Channel Position M - Band 2 - Range 3500 to 10000 MHz

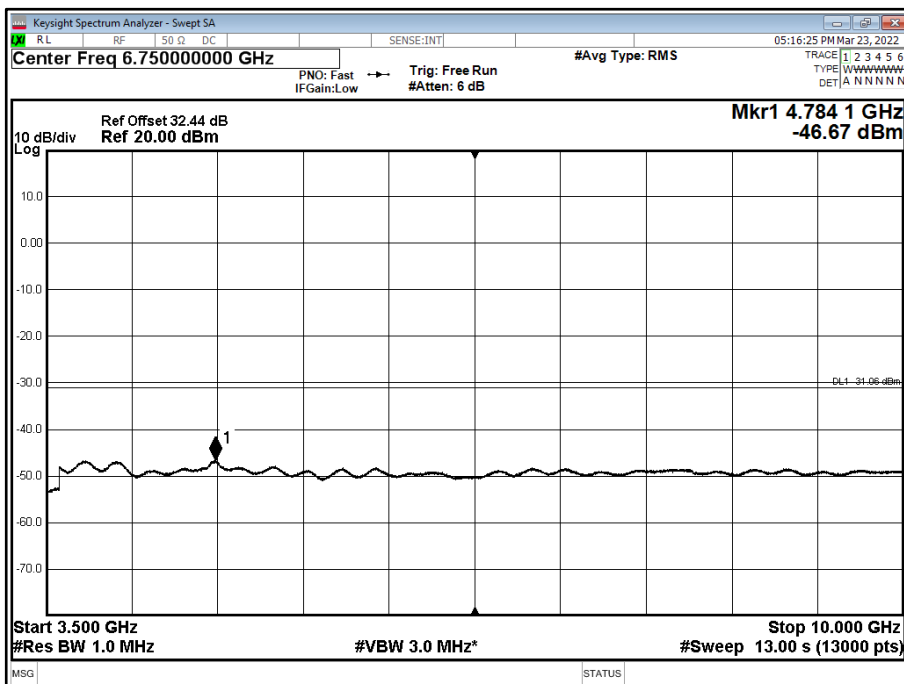




Antenna 59 - LTE Modulation 16QAM - LTE Carrier Bandwidth 15.0 MHz - Channel Position M - Band 2 - Range 3500 to 10000 MHz

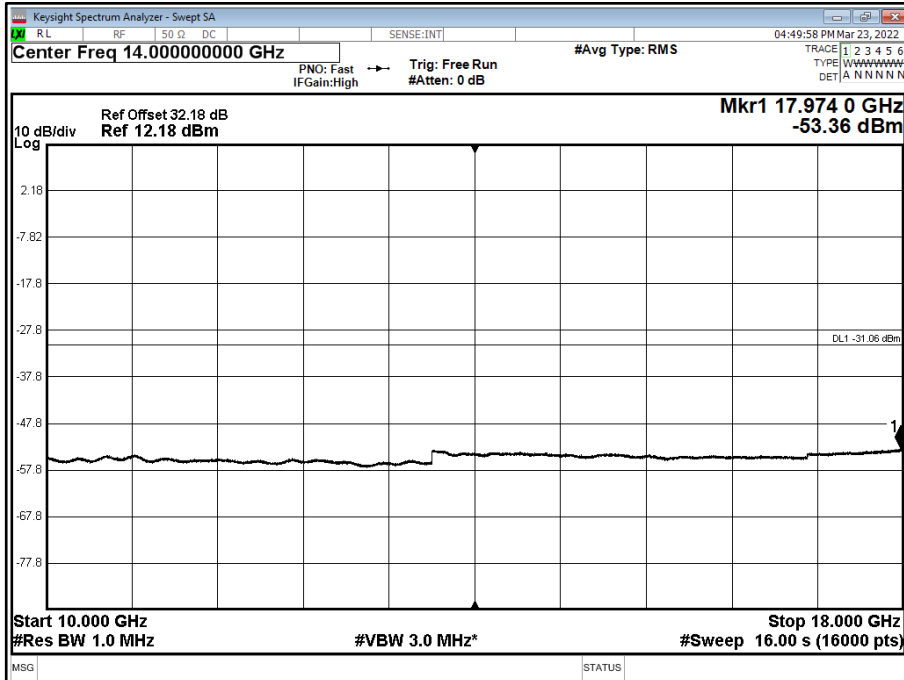


Antenna 59 - LTE Modulation 16QAM - LTE Carrier Bandwidth 20.0 MHz - Channel Position M - Band 2 - Range 3500 to 10000 MHz

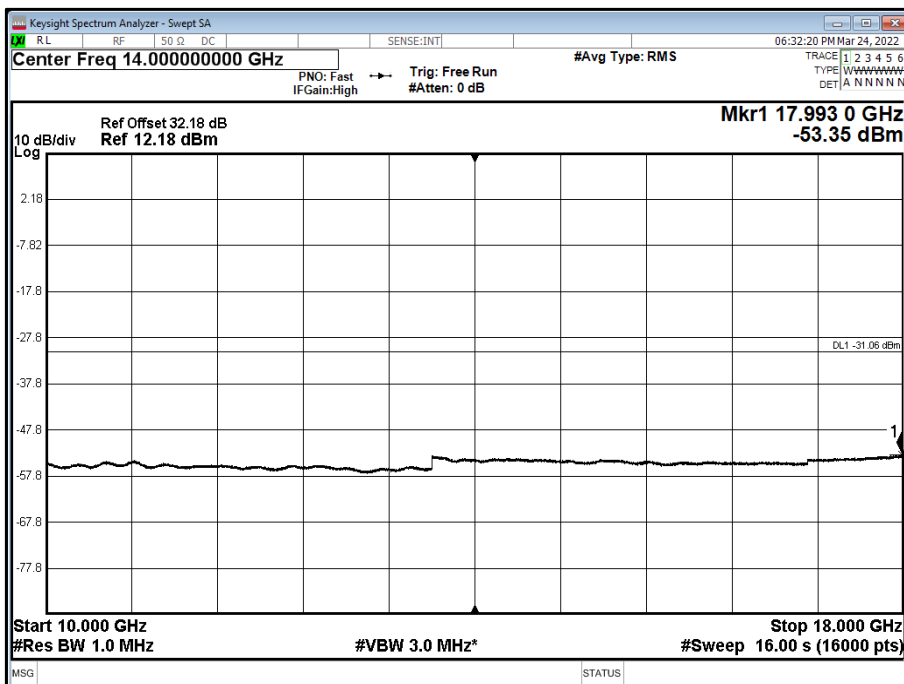




Antenna 59 - LTE Modulation 16QAM - LTE Carrier Bandwidth 10.0 MHz - Channel Position M - Band 3 - Range 10000 to 18000 MHz

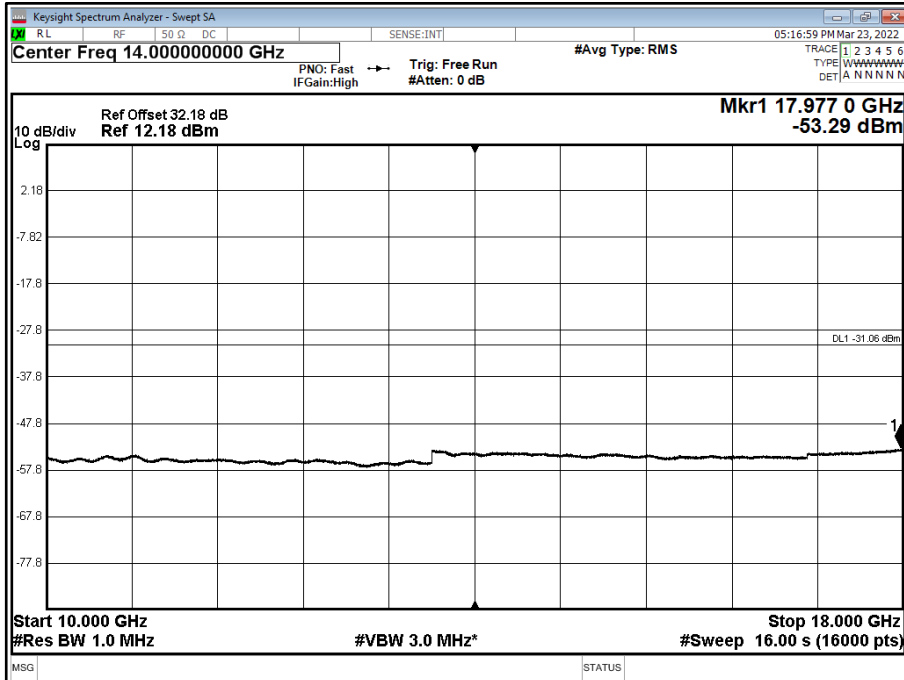


Antenna 59 - LTE Modulation 16QAM - LTE Carrier Bandwidth 15.0 MHz - Channel Position M - Band 3 - Range 10000 to 18000 MHz

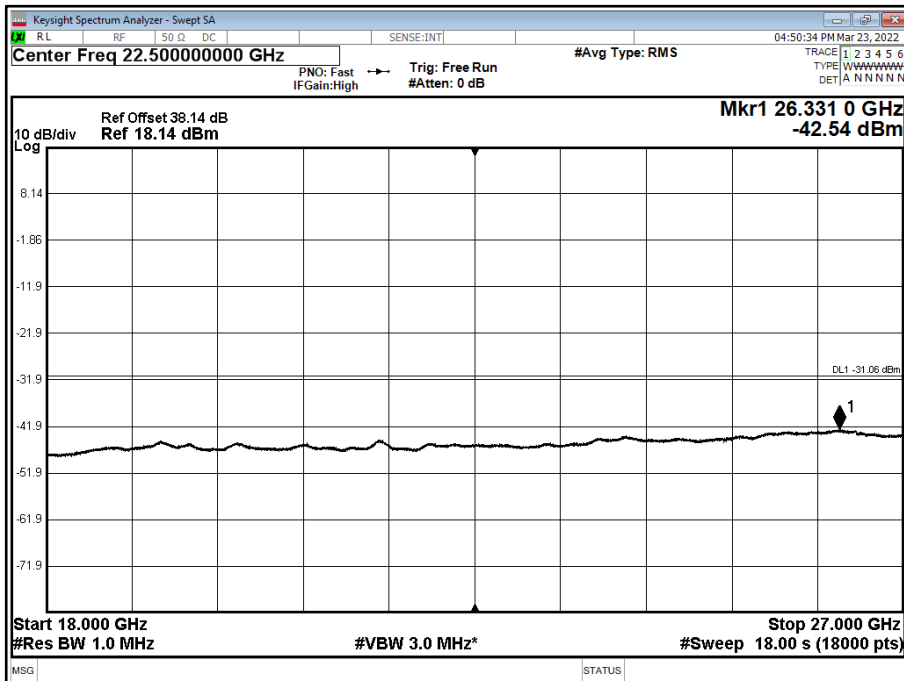




Antenna 59 - LTE Modulation 16QAM - LTE Carrier Bandwidth 20.0 MHz - Channel Position M - Band 3 - Range 10000 to 18000 MHz



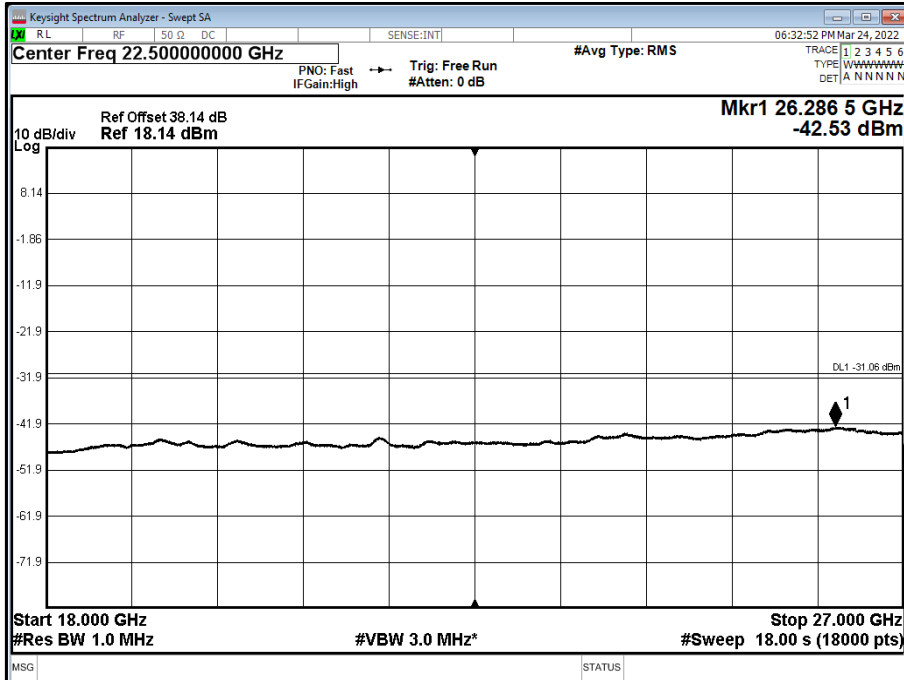
Antenna 59 - LTE Modulation 16QAM - LTE Carrier Bandwidth 10.0 MHz - Channel Position M - Band 4 - Range 18000 to 27000 MHz



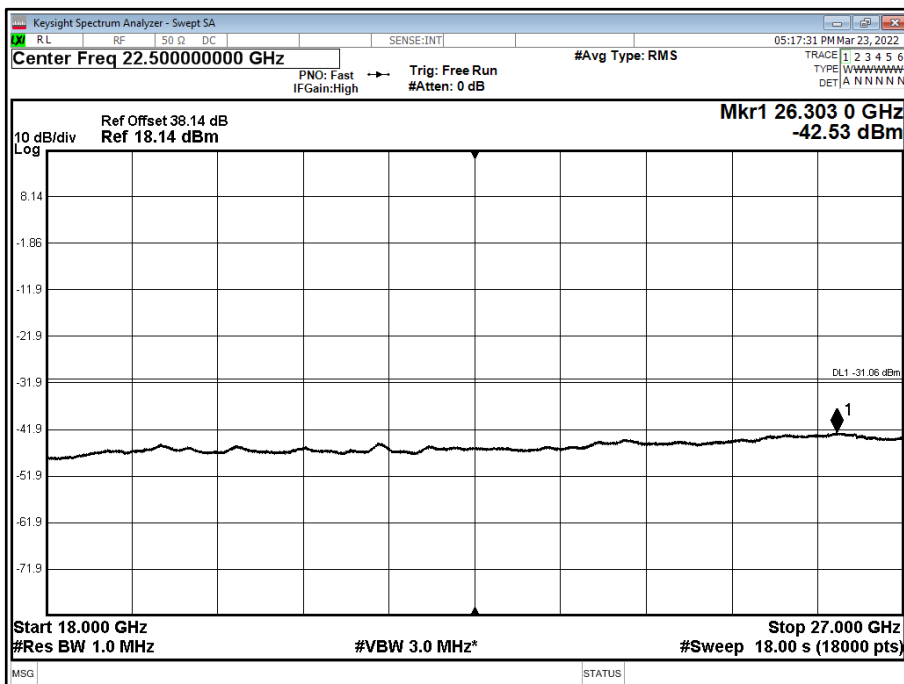




Antenna 59 - LTE Modulation 16QAM - LTE Carrier Bandwidth 15.0 MHz - Channel Position M - Band 4 - Range 18000 to 27000 MHz



Antenna 59 - LTE Modulation 16QAM - LTE Carrier Bandwidth 20.0 MHz - Channel Position M - Band 4 - Range 18000 to 27000 MHz

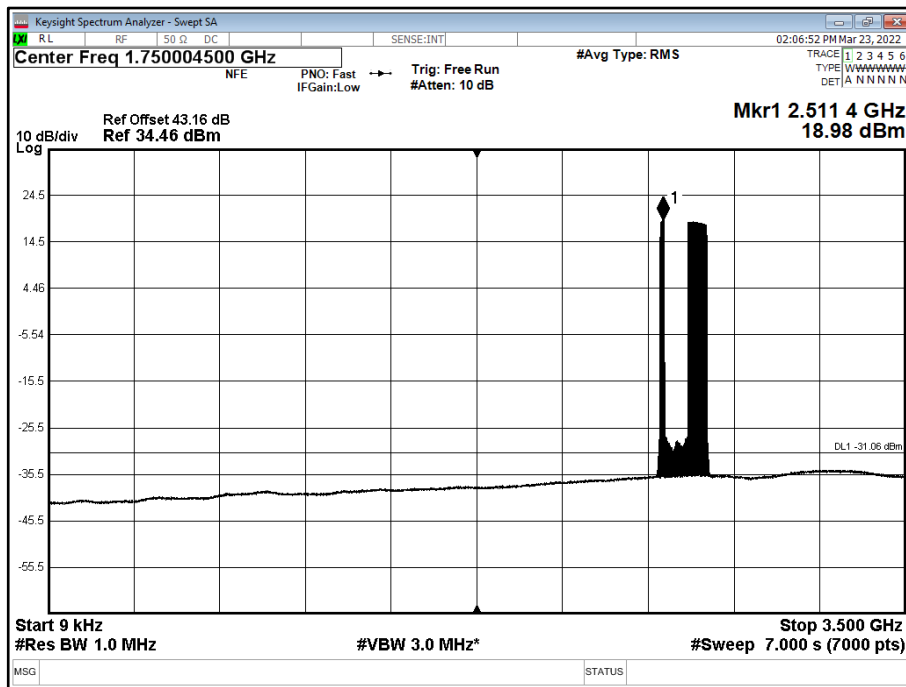




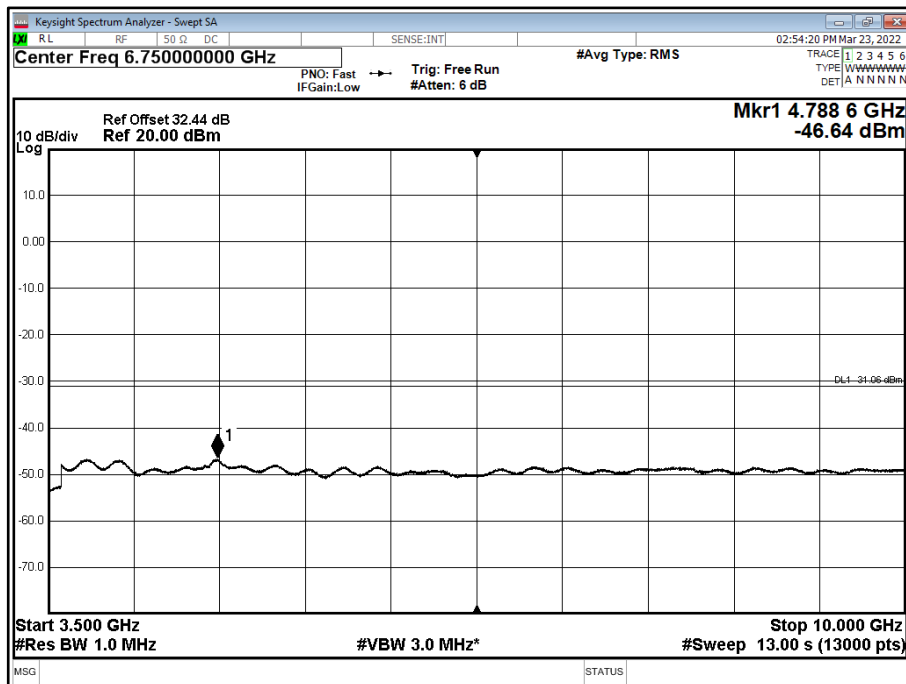
Configuration 6

Maximum Output Power per Carrier 30.97, 36.99 dBm

Antenna 59 - NR / LTE Modulation 16QAM / 16QAM - NR / LTE Carrier Bandwidth 80MHz  
30kHz SCS + 20.00 MHz - Channel Position MRFBW - Band 1 - Range 0.009 to 3500 MHz

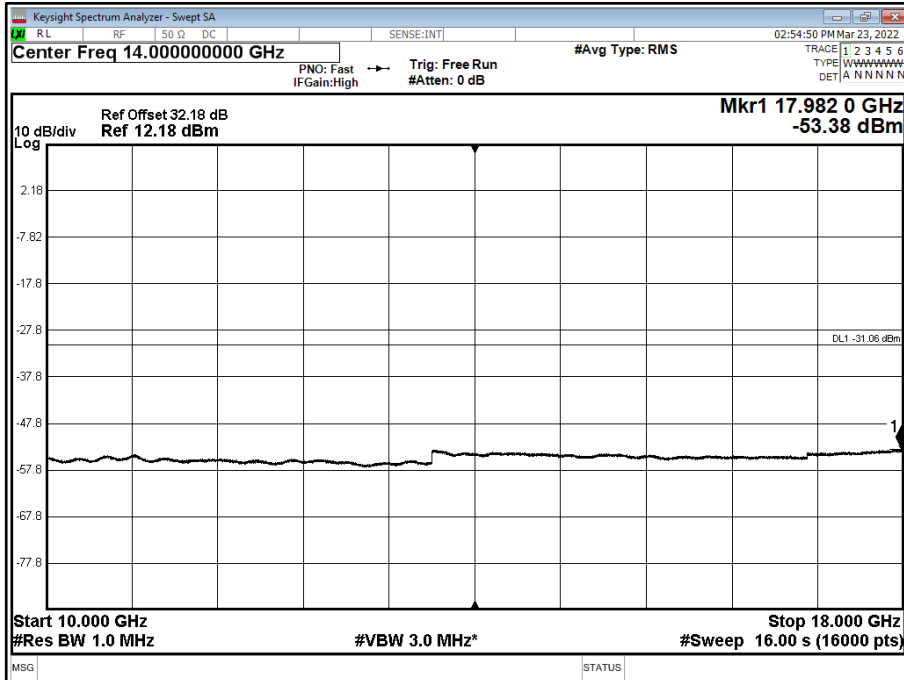


Antenna 59 - NR / LTE Modulation 16QAM / 16QAM - NR / LTE Carrier Bandwidth 80MHz  
30kHz SCS + 20.00 MHz - Channel Position MRFBW - Band 2 - Range 3500 to 10000 MHz

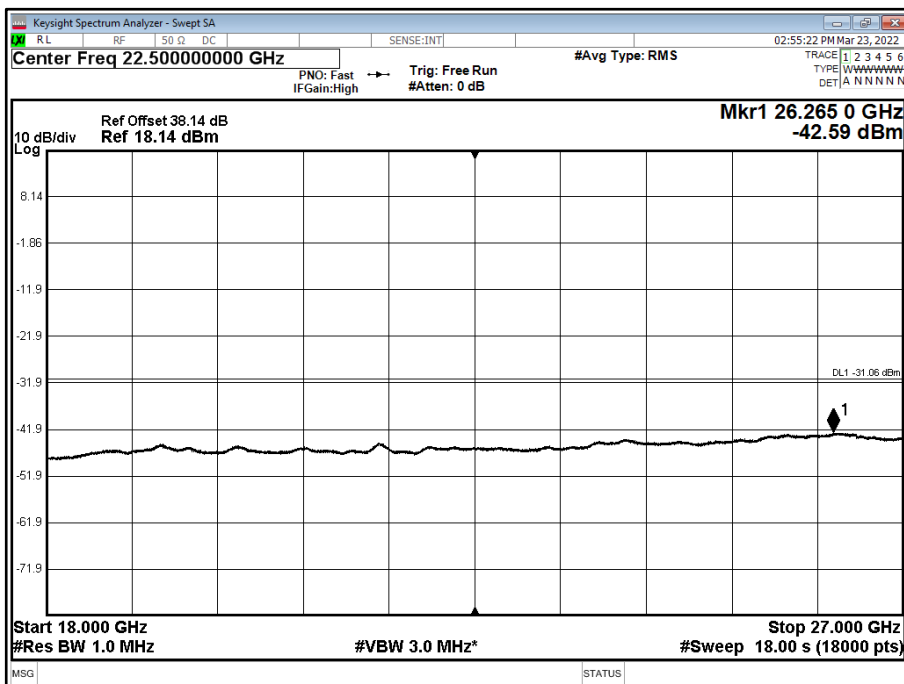




Antenna 59 - NR / LTE Modulation 16QAM / 16QAM - NR / LTE Carrier Bandwidth 80MHz  
30kHz SCS + 20.00 MHz - Channel Position MRFBW - Band 3 - Range 10000 to 18000 MHz



Antenna 59 - NR / LTE Modulation 16QAM / 16QAM - NR / LTE Carrier Bandwidth 80MHz  
30kHz SCS + 20.00 MHz - Channel Position MRFBW - Band 4 - Range 18000 to 27000 MHz

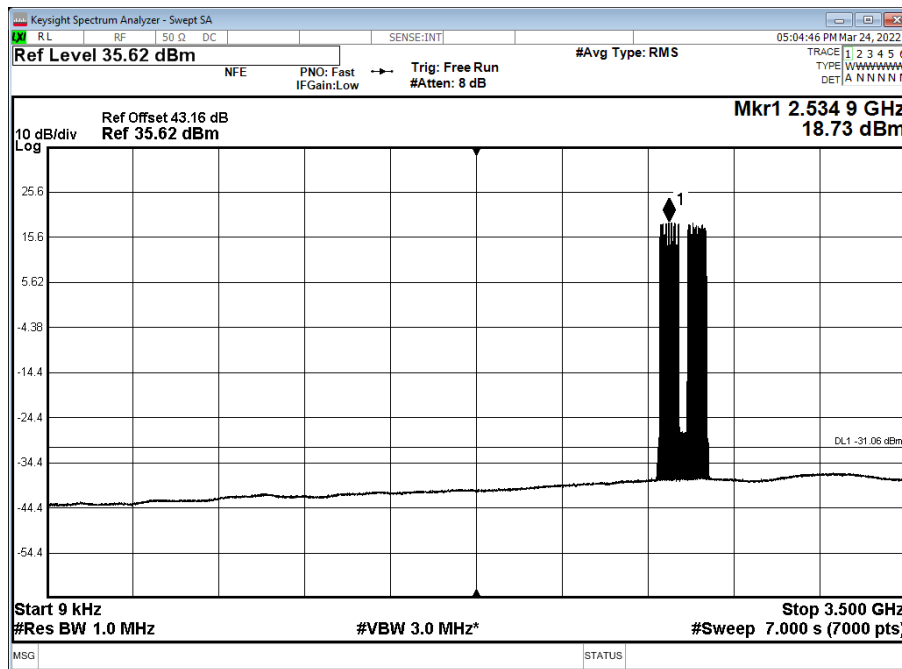




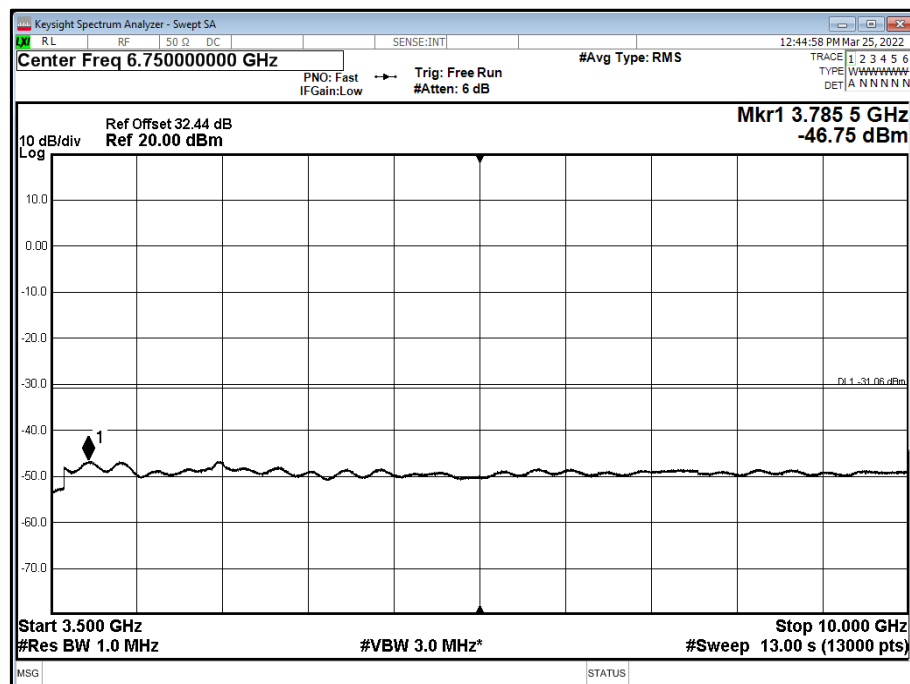
### Configuration 7

Maximum Output Power per Carrier 36.99, 4 x 30.97 dBm

Antenna 59 - NR / LTE Modulation 16QAM / 16QAM - NR / LTE Carrier Bandwidth 2 x 80MHz  
30kHz SCS + 3 x 20.00 MHz - Channel Position MRFBW- Band 1 - Range 0.009 to 3500 MHz

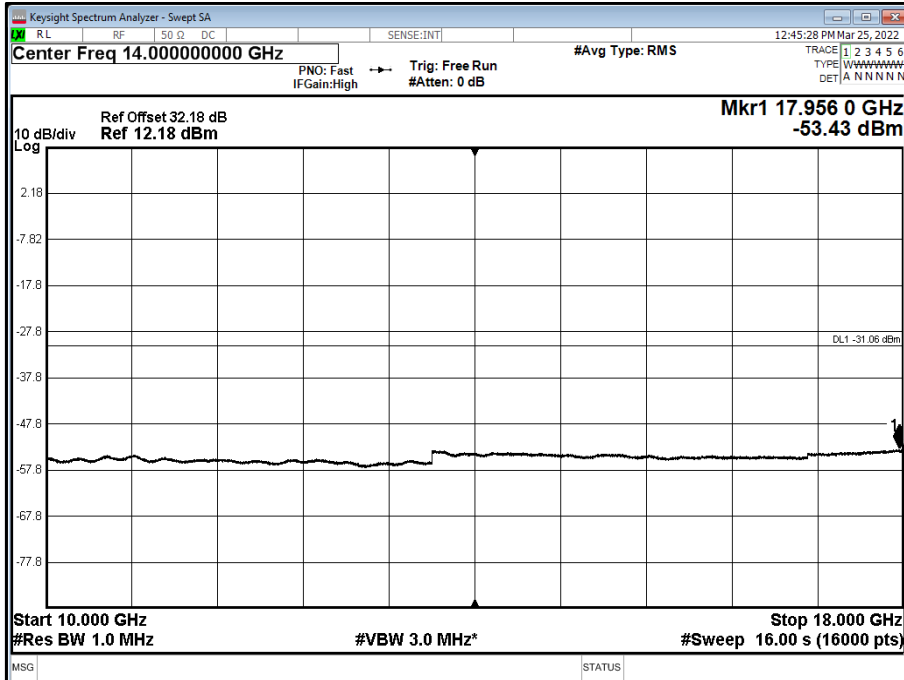


Antenna 59 - NR / LTE Modulation 16QAM / 16QAM - NR / LTE Carrier Bandwidth 2 x 80MHz  
30kHz SCS + 3 x 20.00 MHz - Channel Position MRFBW- Band 2 - Range 3500 to 10000 MHz

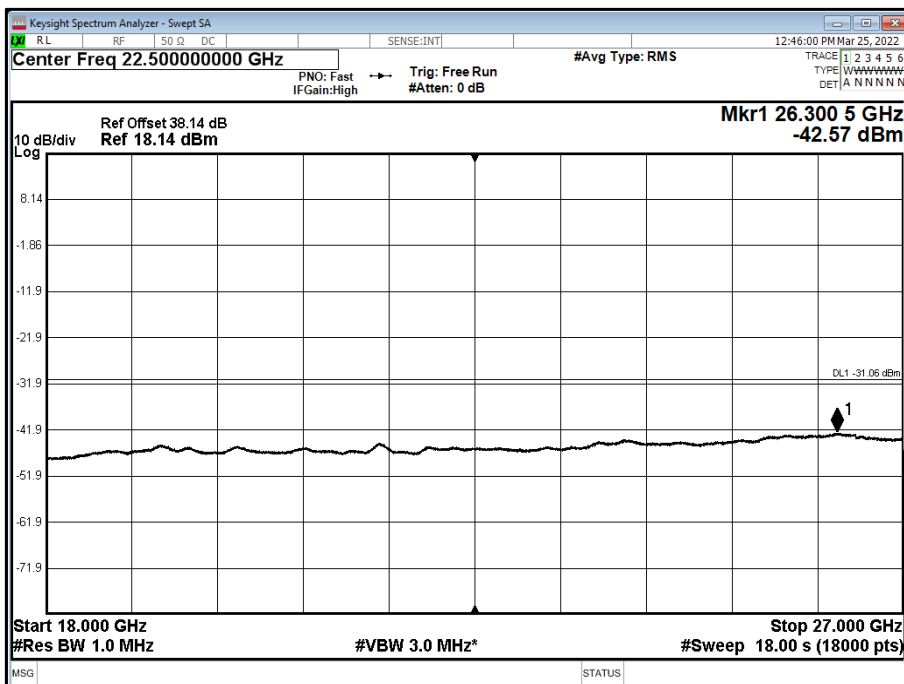




Antenna 59 - NR / LTE Modulation 16QAM / 16QAM - NR / LTE Carrier Bandwidth 2 x 80MHz  
30kHz SCS + 3 x 20.00 MHz - Channel Position MRFBW- Band 3 - Range 10000 to 18000 MHz



Antenna 59 - NR / LTE Modulation 16QAM / 16QAM - NR / LTE Carrier Bandwidth 2 x 80MHz  
30kHz SCS + 3 x 20.00 MHz - Channel Position MRFBW- Band 4 - Range 18000 to 27000 MHz



Limit	-31.06dBm
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## 2.5 FREQUENCY STABILITY

### 2.5.1 Specification Reference

FCC CFR 47 Part 27, Clause 27.54  
FCC CFR 47 Part 2, Clause 2.1055

### 2.5.2 Date of Test and Modification State

28 and 29- March-2022 - Modification State 0

### 2.5.3 Test Equipment Used

The major items of test equipment used for the above tests are identified in Section 3.1.

### 2.5.4 Environmental Conditions

Ambient Temperature 22.8°C  
Relative Humidity 28.0%

### 2.5.5 Test Method

All measurements were made in accordance with FCC KDB 971168 D01, Clause 9 and ANSI C63.26 Clause 5.6

### 2.5.6 Test Results

Configuration 1

Maximum Output Power per Carrier 27.96, 30.97, 32.73, 33.98, 34.95, 35.74, 36.41, 36.99 dBm

Temperature	Voltage	Frequency Error (Hz)
		Channel Position M
-30°C	-48.0 V DC	0.70
-20°C	-48.0 V DC	-0.23
-10°C	-48.0 V DC	-0.47
0°C	-48.0 V DC	0.64
+10°C	-48.0 V DC	-0.16
+20°C	-40.8 V DC	0.99
+20°C	-48.0 V DC	1.91
+20°C	-55.2 V DC	-2.39
+30°C	-48.0 V DC	-0.44
+40°C	-48.0 V DC	0.71
+50°C	-48.0 V DC	-1.09



Configuration 3

Maximum Output Power per Carrier 27.96, 29.72, 30.97 dBm

Temperature	Voltage	Frequency Error (Hz) Channel Position M
-30°C	-48.0 V DC	193.45
-20°C	-48.0 V DC	196.80
-10°C	-48.0 V DC	196.13
0°C	-48.0 V DC	197.80
+10°C	-48.0 V DC	198.12
+20°C	-40.8 V DC	196.78
+20°C	-48.0 V DC	196.47
+20°C	-55.2 V DC	196.12
+30°C	-48.0 V DC	196.77
+40°C	-48.0 V DC	198.54
+50°C	-48.0 V DC	193.98

Limit	The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.
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### **SECTION 3**

#### **TEST EQUIPMENT USED**





### 3.1 TEST EQUIPMENT USED – MODULE 1

List of absolute measuring and other principal items of test equipment.

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Due
<b>Maximum Peak Output Power and Peak to Average Ratio - Conducted</b>					
PXA signal analyzer	Keysight	N9030B	BAMS-1002020934	12	15-Feb-2023
PXA signal analyzer	Keysight	N9030A	BAMS-1001562403	12	01-Feb-2023
System DC power supply	Agilent Technologies	N8738A	BAMS-1001518021	N/A	O/P MON
Hygrometer	Rotronic	A1	TE2760	12	12-Jun-2022
Network Analyzer	Agilent Technologies	N5230A	BAMS-0000015882	12	23-Jul-2022
Electronic Calibration Module	Agilent Technologies	N4690-60006	BAMS-1000636196	12	30-Aug-2022
Milliohm Meter	RS PRO	ILOM-508A	TE 5755	12	14-Apr-2022
Attenuator	Aeroflex/Weinschel	6834-20-11	02	N/A	O/P MON
Attenuator	Aeroflex/Weinschel	6834-20-11	04	N/A	O/P MON
<b>Occupied Bandwidth</b>					
PXA signal analyzer	Keysight	N9030B	BAMS-1002020934	12	15-Feb-2023
PXA signal analyzer	Keysight	N9030A	BAMS-1001562403	12	01-Feb-2023
System DC power supply	Agilent Technologies	N8738A	BAMS-1001518021	N/A	O/P MON
Hygrometer	Rotronic	A1	TE2760	12	12-Jun-2022
Network Analyzer	Agilent Technologies	N5230A	BAMS-0000015882	12	23-Jul-2022
Electronic Calibration Module	Agilent Technologies	N4690-60006	BAMS-1000636196	12	30-Aug-2022
Milliohm Meter	RS PRO	ILOM-508A	TE 5755	12	14-Apr-2022
Attenuator	Aeroflex/Weinschel	6834-20-11	02	N/A	O/P MON
Attenuator	Aeroflex/Weinschel	6834-20-11	04	N/A	O/P MON
<b>Band Edge</b>					
PXA signal analyzer	Keysight	N9030B	BAMS-1002020934	12	15-Feb-2023
PXA signal analyzer	Keysight	N9030A	BAMS-1001562403	12	01-Feb-2023
System DC power supply	Agilent Technologies	N8738A	BAMS-1001518021	N/A	O/P MON
Hygrometer	Rotronic	A1	TE2760	12	12-Jun-2022
Network Analyzer	Agilent Technologies	N5230A	BAMS-0000015882	12	23-Jul-2022
Electronic Calibration Module	Agilent Technologies	N4690-60006	BAMS-1000636196	12	30-Aug-2022
Milliohm Meter	RS PRO	ILOM-508A	TE 5755	12	14-Apr-2022
Attenuator	Aeroflex/Weinschel	6834-20-11	02	N/A	O/P MON
Attenuator	Aeroflex/Weinschel	6834-20-11	04	N/A	O/P MON
<b>Transmitter Spurious Emissions</b>					
PXA signal analyzer	Keysight	N9030B	BAMS-1002020934	12	15-Feb-2023
PXA signal analyzer	Keysight	N9030A	BAMS-1001562403	12	01-Feb-2023
System DC power supply	Agilent Technologies	N8738A	BAMS-1001518021	N/A	O/P MON
Hygrometer	Rotronic	A1	TE2760	12	12-Jun-2022
Network Analyzer	Agilent Technologies	N5230A	BAMS-0000015882	12	23-Jul-2022
Electronic Calibration Module	Agilent Technologies	N4690-60006	BAMS-1000636196	12	30-Aug-2022
Milliohm Meter	RS PRO	ILOM-508A	TE 5755	12	14-Apr-2022
Attenuator	Aeroflex/Weinschel	6834-20-11	02	N/A	O/P MON
Attenuator	Aeroflex/Weinschel	6834-20-11	04	N/A	O/P MON
Highpass Filter	Wainwright Instruments	WHNX3.8	8	N/A	O/P MON

N/A – Not Applicable

O/P Mon – Output Monitored with Calibrated Equipment



### 3.2 TEST EQUIPMENT USED – MODULE 2

List of absolute measuring and other principal items of test equipment.

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Due
<b>Maximum Peak Output Power and Peak to Average Ratio - Conducted</b>					
PXA signal analyzer	Keysight	N9030B	BAMS-1002020934	12	15-Feb-2023
PXA signal analyzer	Keysight	N9030A	BAMS-1001562403	12	01-Feb-2023
Network Analyzer	Agilent Technologies	N5230A	BAMS-1000649007	12	22-Sep-2022
Ecal Module	Agilent	N4691-60006	BAMS-1000711557	12	23-Aug-2022
Thermohygrometer	Rotronic	A1	TE2760	12	12-Jun-2022
Power Supply	Agilent Technologies	N8738A	BAMS-1001674522	N/A	O/P MON
Attenuator 20 dB	Aeroflex / Weinschel	6834-20-11	QM935	N/A	O/P MON
Attenuator 10 dB	Wainwright	56-10	T3515	N/A	O/P MON
<b>Occupied Bandwidth</b>					
PXA signal analyzer	Keysight	N9030B	BAMS-1002020934	12	15-Feb-2023
PXA signal analyzer	Keysight	N9030A	BAMS-1001562403	12	01-Feb-2023
Network Analyzer	Agilent Technologies	N5230A	BAMS-1000649007	12	22-Sep-2022
Ecal Module	Agilent	N4691-60006	BAMS-1000711557	12	23-Aug-2022
Thermohygrometer	Rotronic	A1	TE2760	12	12-Jun-2022
Power Supply	Agilent Technologies	N8738A	BAMS-1001674522	N/A	O/P MON
Attenuator 20 dB	Aeroflex / Weinschel	6834-20-11	QM935	N/A	O/P MON
Attenuator 10 dB	Wainwright	56-10	T3515	N/A	O/P MON
<b>Band Edge</b>					
PXA signal analyzer	Keysight	N9030B	BAMS-1002020934	12	15-Feb-2023
PXA signal analyzer	Keysight	N9030A	BAMS-1001562403	12	01-Feb-2023
Network Analyzer	Agilent Technologies	N5230A	BAMS-1000649007	12	22-Sep-2022
Ecal Module	Agilent	N4691-60006	BAMS-1000711557	12	23-Aug-2022
Thermohygrometer	Rotronic	A1	TE2760	12	12-Jun-2022
Power Supply	Agilent Technologies	N8738A	BAMS-1001674522	N/A	O/P MON
Attenuator 20 dB	Aeroflex / Weinschel	6834-20-11	QM935	N/A	O/P MON
Attenuator 10 dB	Wainwright	56-10	T3515	N/A	O/P MON
<b>Transmitter Spurious Emissions</b>					
PXA signal analyzer	Keysight	N9030B	BAMS-1002020934	12	15-Feb-2023
PXA signal analyzer	Keysight	N9030A	BAMS-1001562403	12	01-Feb-2023
Network Analyzer	Agilent Technologies	N5230A	BAMS-1000649007	12	22-Sep-2022
Ecal Module	Agilent	N4691-60006	BAMS-1000711557	12	23-Aug-2022
Thermohygrometer	Rotronic	A1	TE2760	12	12-Jun-2022
Power Supply	Agilent Technologies	N8738A	BAMS-1001674522	N/A	O/P MON
Attenuator 20 dB	Aeroflex / Weinschel	6834-20-11	QM935	N/A	O/P MON
Attenuator 10 dB	Wainwright	56-10	T3515	N/A	O/P MON
High Pass filter	Wainwright	WHNX3.8/26.5G-6SS	SN6	N/A	O/P MON
<b>Frequency Stability</b>					
PXA signal analyzer	Keysight	N9030B	BAMS-1002020934	12	15-Feb-2023
Network Analyzer	Agilent Technologies	N5230A	BAMS-1000649007	12	22-Sep-2022
Ecal Module	Agilent	N4691-60006	BAMS-1000711557	12	23-Aug-2022



Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Due
Thermohygrometer	Rotronic	A1	TE2760	12	12-Jun-2022
Power Supply	Agilent Technologies	N8738A	BAMS-1001674522	N/A	O/P MON
Attenuator 20 dB	Aeroflex / Weinschel	6834-20-11	QM935	N/A	O/P MON
Attenuator 10 dB	Wainwright	56-10	T3515	N/A	O/P MON
Climatic Chamber	Vötsch	vcs50017/s	58566145910010	N/A	O/P MON
Thermometer	Fluke 51	51	TE0412	N/A	25-Jan-2023

N/A – Not Applicable

O/P Mon – Output Monitored with Calibrated Equipment



### 3.3 MEASUREMENT UNCERTAINTY

For a 95% confidence level, the measurement uncertainties for defined systems are:-

Test Discipline	Frequency / Parameter	MU	
Conducted Maximum Peak Output Power	2496 MHz to 2690 MHz Amplitude	± 0.89 dB	
Conducted Emissions	9kHz MHz to 27 GHz Amplitude	± 2.04 dB	
Frequency Stability	2496 MHz to 2690 MHz Amplitude	± 5 Hz	
Occupied Bandwidth	Up to 100 MHz Bandwidth	10 MHz Bandwidth	± 67172 Hz
		20 MHz Bandwidth	± 145903 Hz
		30 MHz Bandwidth	± 207235 Hz
		40 MHz Bandwidth	± 269993 Hz
		50 MHz Bandwidth	± 335741 Hz
		60 MHz Bandwidth	± 401281 Hz
		70 MHz Bandwidth	± 459492 Hz
		80 MHz Bandwidth	± 528119 Hz
		90 MHz Bandwidth	± 593206 Hz
100 MHz Bandwidth	± 658297 Hz		
Band Edge	2496 MHz to 2690 MHz Amplitude	±0.89dB	

#### Measurement Uncertainty Decision Rule

Determination of conformity with the specification limits is based on the decision rule according to IEC Guide 115:2007, Clause 4.4.3 and 4.5.1. (Procedure 2). The measurement results are directly compared with the test limit to determine conformance with the requirements of the standard.

Risk: The uncertainty of measurement about the measured result is negligible with regard to the final pass/fail decision. The measurement result can be directly compared with the test limit to determine conformance with the requirement (compare IEC Guide 115). The level of risk to falsely accept and falsely reject items is further described in ILAC-G8



### 3.4 MEASUREMENT SOFTWARE USED

List of measurement software versions used for testing.

Instrument	Manufacturer	Type No.	TE No.	Software Version
PXA Signal Analyser	Keysight	N9030B	BAMS 1002020934	A 24.56
PXA Signal Analyser	Keysight	N9030A	BAMS1001562403	A.19.05
HP-VEE Software	TUV SUD	HP_VEE	N/A	V3.29



## **SECTION 4**

### **ACCREDITATION, DISCLAIMERS AND COPYRIGHT**



#### 4.1 ACCREDITATION, DISCLAIMERS AND COPYRIGHT



Accred. no. 10363  
Testing  
ISO/IEC 17025

This report relates only to the actual item/items tested.

Our Swedac Accreditation does not cover opinions and interpretations and any expressed are outside the scope of our Swedac Accreditation.

Results of tests not covered by our Swedac Accreditation Schedule are marked NSA (Not Swedac Accredited).

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## **ANNEX A**

### **MODULE LIST**





Configuration 1, 2, 5,6,7 - Module 1, Power, OBW, BE, SpurCE			
Product	Product No	R-State	Serial No
CT11	LPC 102 494/1	R2A	T01G487938
AIR 6419 B41	KRD 901 212/3	R1D	C82A594312
Software Version:	CXP2030039/7	Revision:	R18BD27
Configuration 3,4 - Module 2, Power, OBW, BE, SpurCE			
Product	Product No	R-State	Serial No
CT11	(1P)LPC102487/1	R1C	T01F399174
AIR 6419 B41	KRD 901 212/3	R1D	C82A594324
Software Version:	CXP2030039/7	Revision:	R18BD27
Configuration 1,3 - Module 2 FS			
Product	Product No	R-State	Serial No
CT11	(1P)LPC102487/1	R1C	T01F399174
AIR 6419 B41	KRD 901 212/3	R1D	C82A594324
Software Version:	CXP2030039/7	Revision:	R18BD27