

TEST REPORT

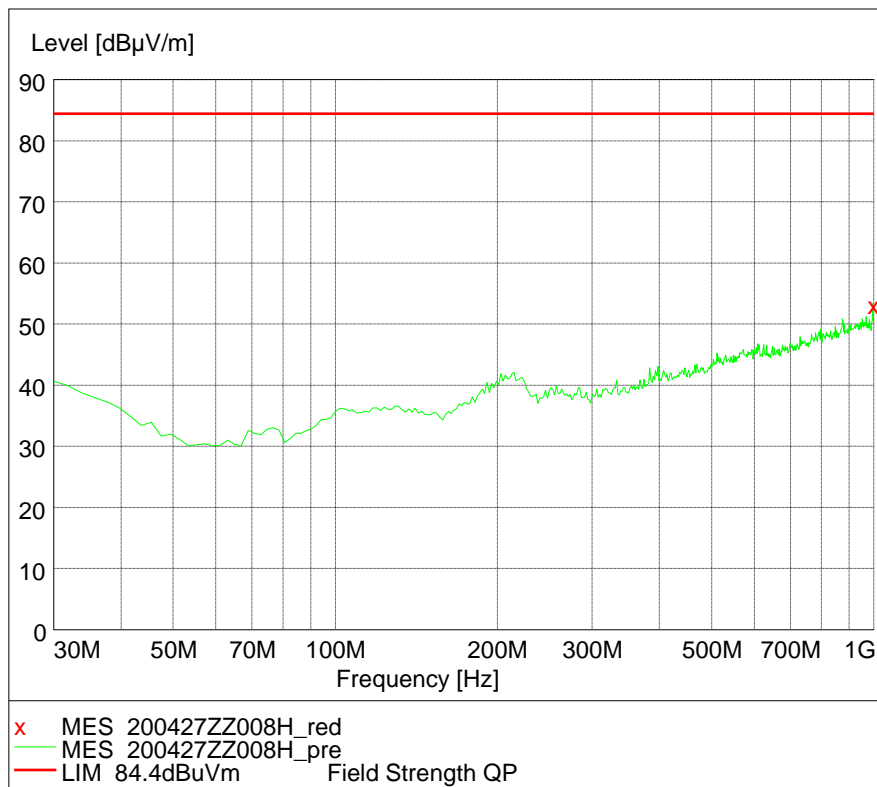
Configuration	Channel Position	Channel Frequencies	NR Carrier Bandwidth	NR Modulation
W+NR-MIMO-MC-1	M	(NR)2112.5+(W)2152.6 + (L)2179.3	5MHz	QPSK

No emissions were detected within 20dB of the limit.

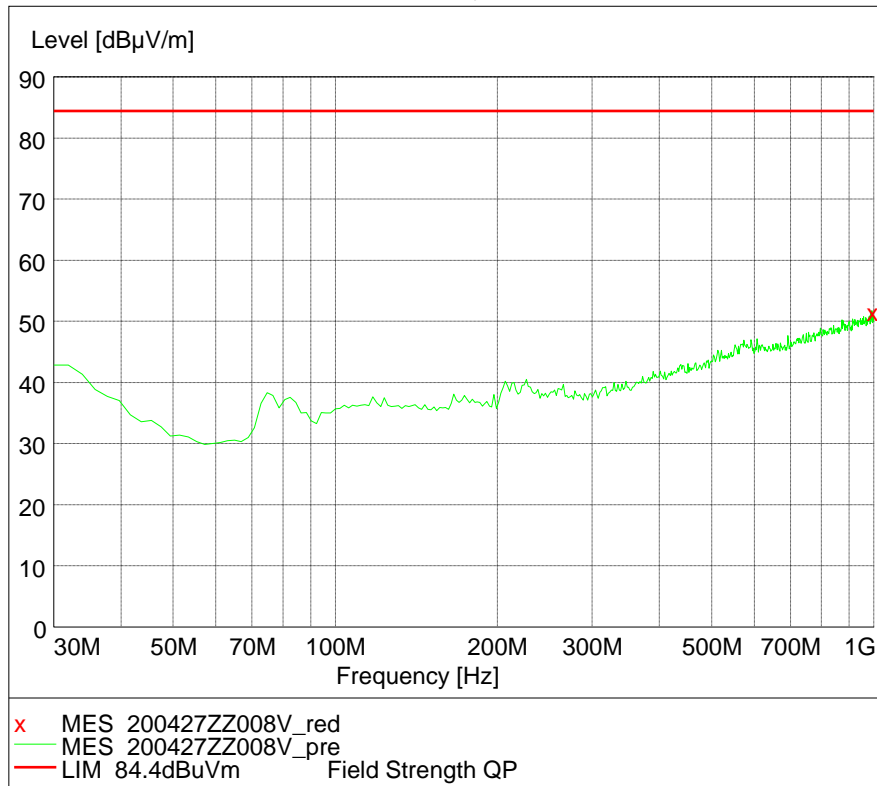
Configuration	Channel Position	Channel Frequencies	NR Carrier Bandwidth	NR Modulation
L+NR-MIMO-MC-1	M	(NR)2112.5+(L)2178.9 + (SA)2179.8	5MHz	QPSK

No emissions were detected within 20dB of the limit.

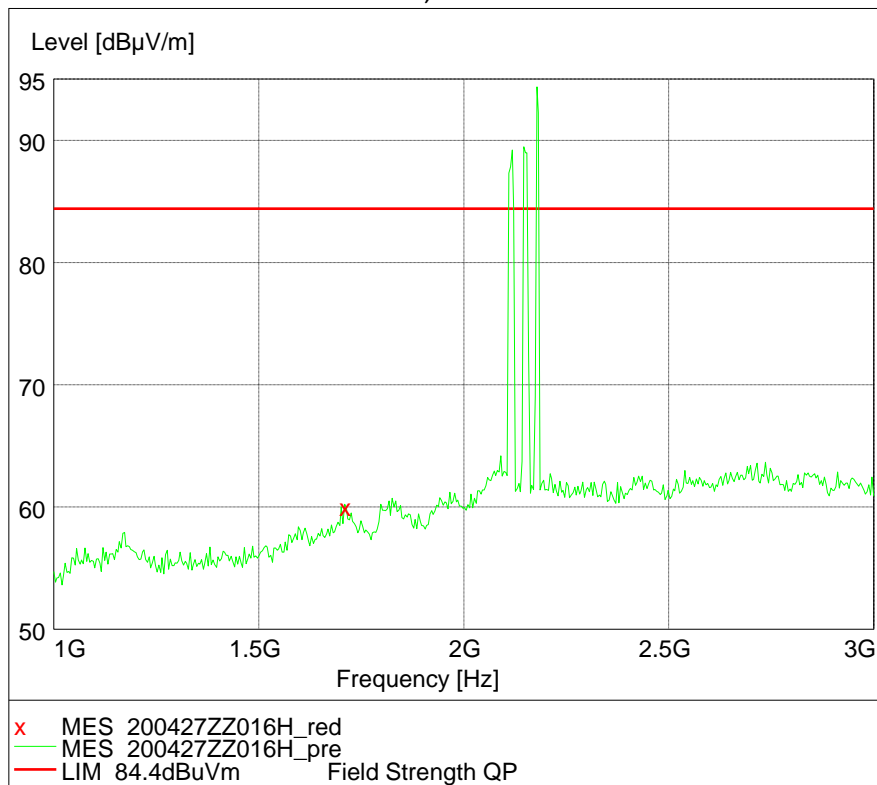
30-1000MHz, Horizontal



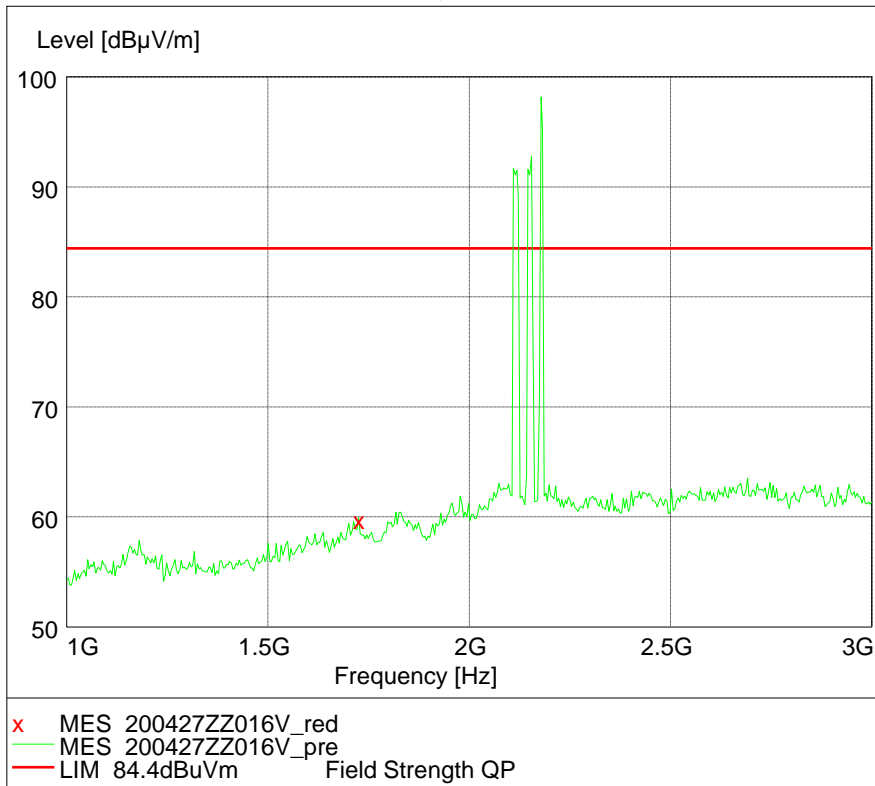
30-1000MHz, Vertical



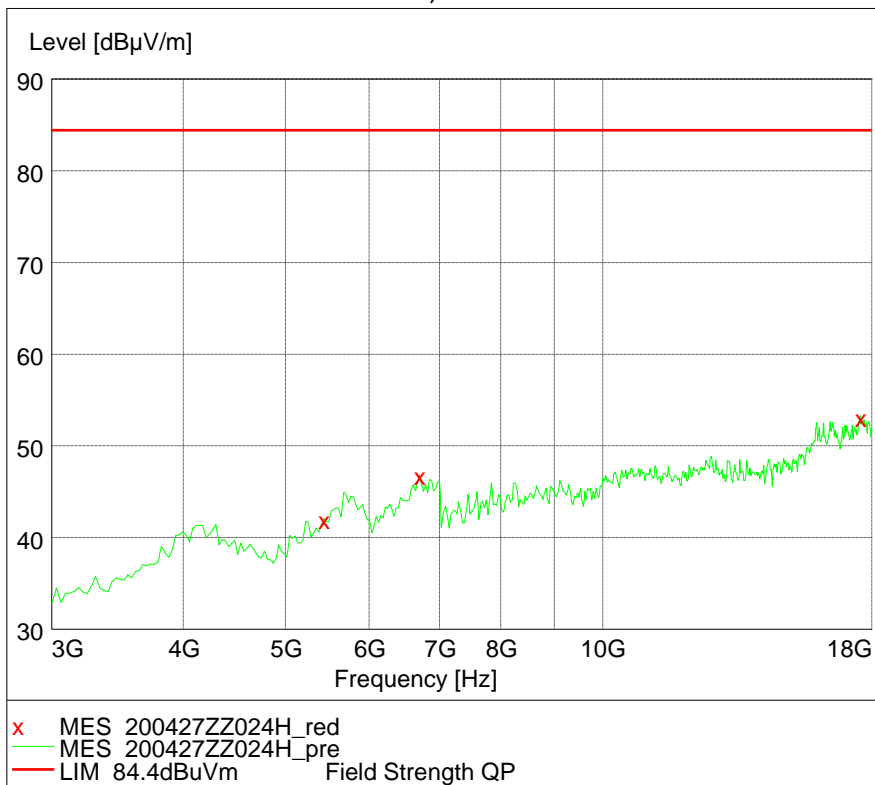
1-3GHz, Horizontal



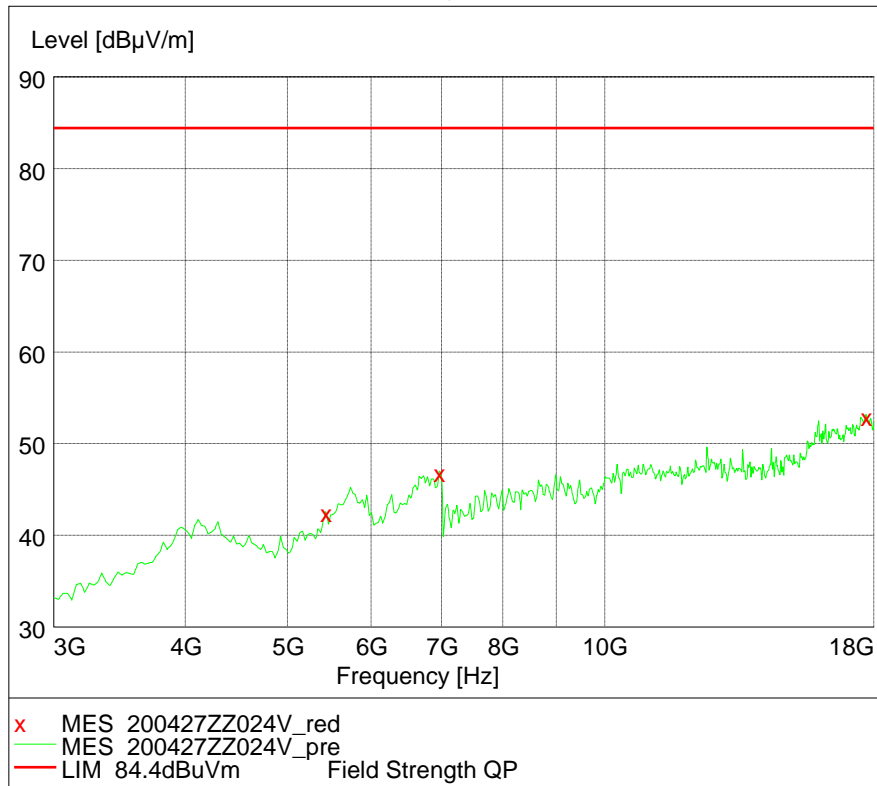
1-3GHz, Vertical



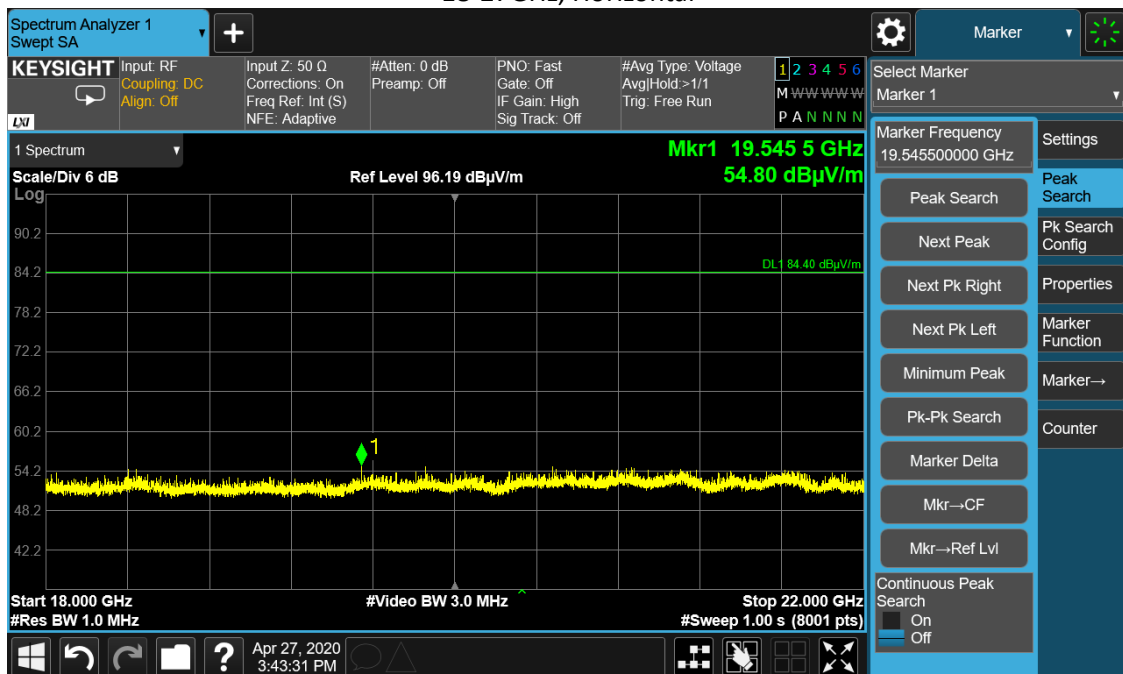
3-18GHz, Horizontal



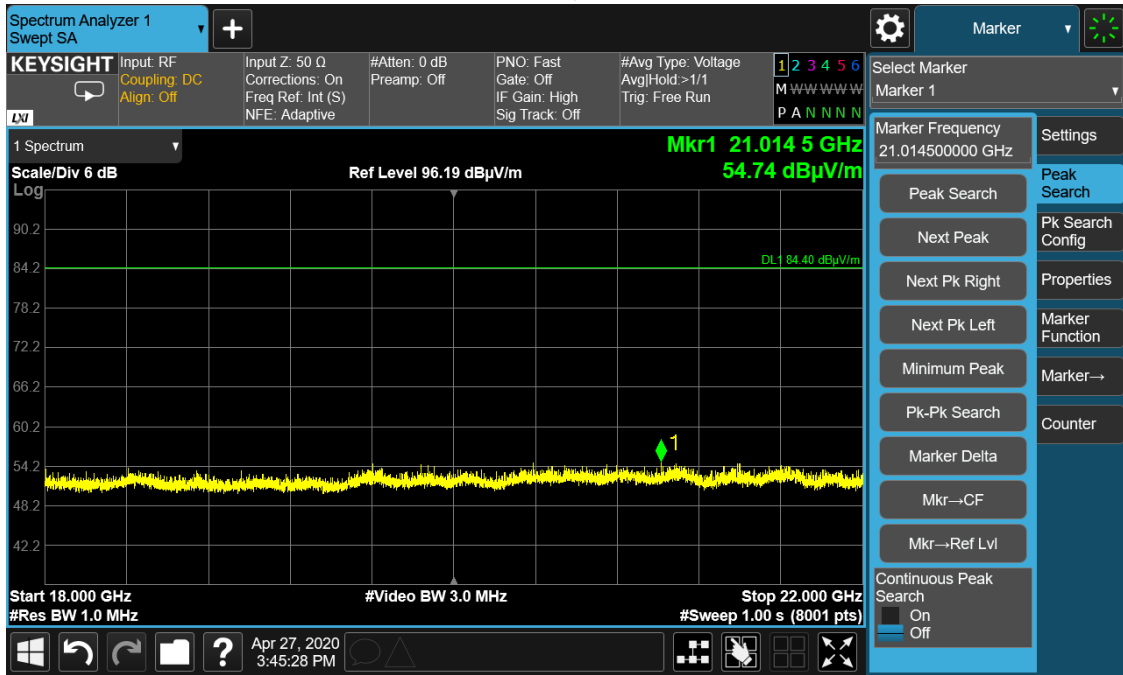
3-18GHz, Vertical



18-27GHz, Horizontal



18-27GHz, Vertical



8 Frequency Stability

Test result: **Tested**

8.1 Limit

The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

8.2 Measurement Procedure

Temperature Variation

The EUT was tested over the temperature range -30°C to +50°C in 10°C steps with -48 VDC Power Supply. At each temperature step, the Base Station was configured to transmit at maximum power on the middle channel of the operating band.

Voltage Variation

The EUT was tested at the supplied voltages varied from 85 to 115 percent of the nominal values of -48 VDC. At +20°C, the Base Station was configured to transmit at maximum power on the middle channel of the frequency block.

8.3 Measurement result

Frequency Error – Temperature Variation

Configuration NR-MIMO-1C, Channel Bandwidth: 20MHz

Antenna Port	Modulation	Temperature (°C)	Frequency Stability (Hz)		
			Channel Position B	Channel Position M	Channel Position T
A	QPSK	-30	1.64	-1.80	-2.20
		-20	1.95	1.78	-1.94
		-10	2.28	-1.74	-1.87
		0	1.95	-2.49	2.04
		10	-2.44	2.20	-2.17
		20	1.85	2.01	2.12
		30	2.81	1.88	-2.13
		40	2.10	-2.09	2.20
		50	-2.34	-1.84	1.83

Frequency Error – Voltage Variation

Configuration NR-MIMO-1C, Channel Bandwidth: 20MHz

Antenna Port	Modulation	Temperature (°C)	Supply Voltage (V)	Frequency Stability (Hz)		
				Channel Position B	Channel Position M	Channel Position T
A	QPSK	20	-40.8	2.10	2.25	2.15
			-48.0	1.85	2.01	2.12
			-55.2	2.11	-2.29	1.75

***** END *****