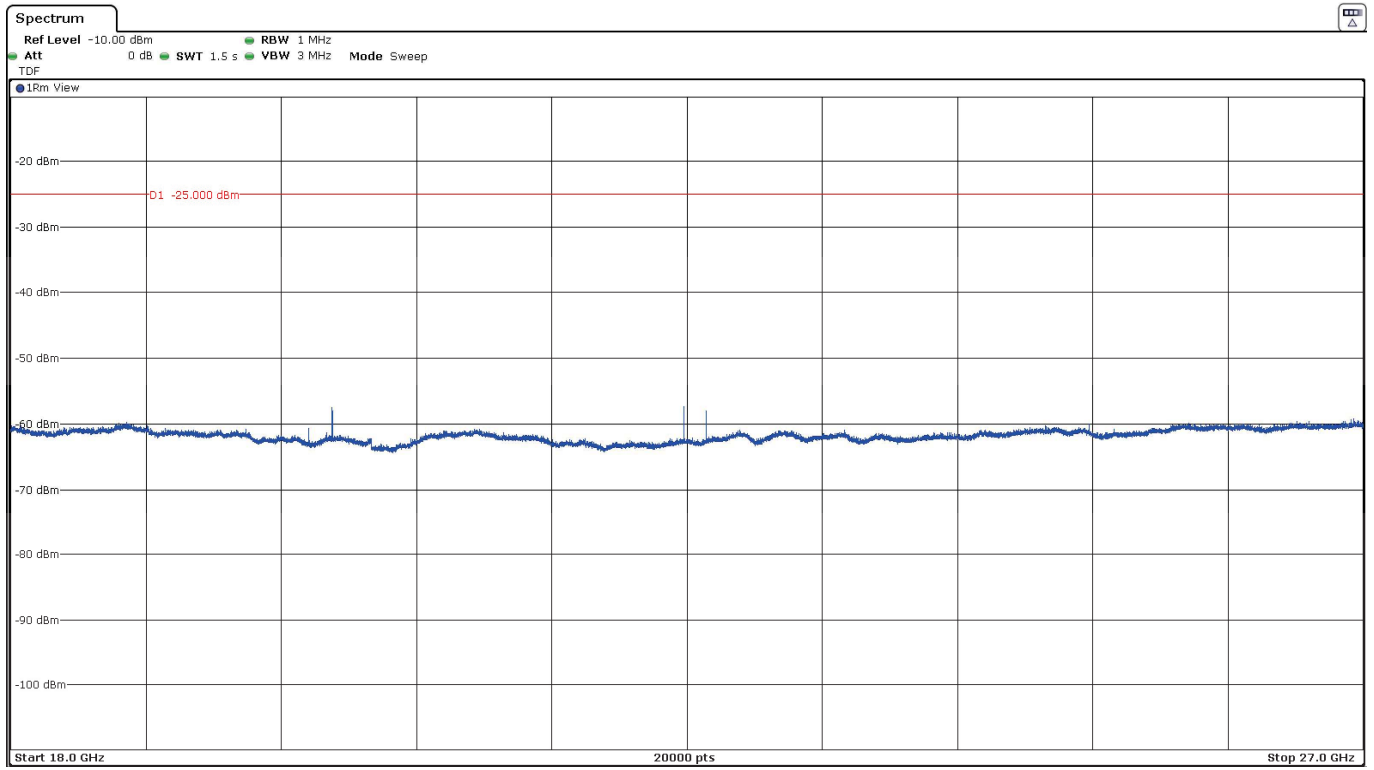
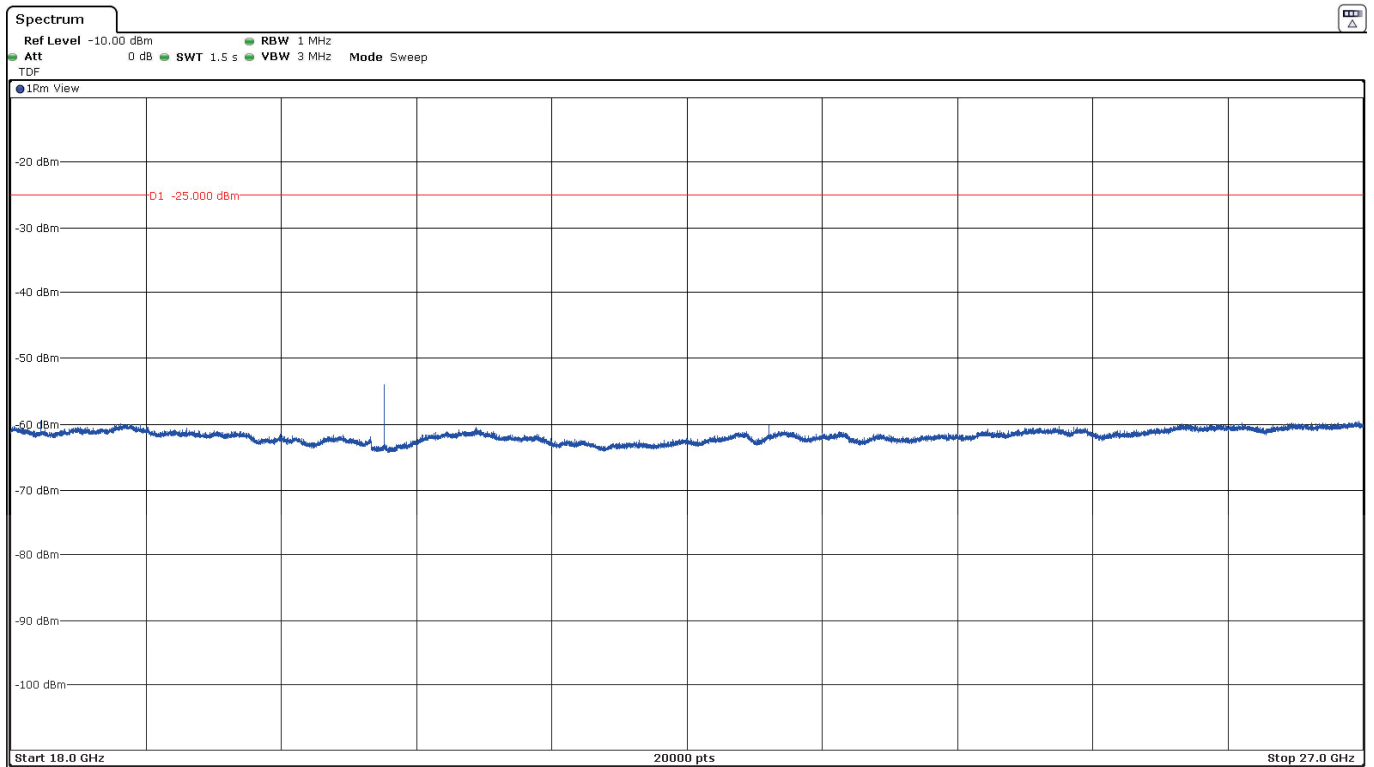


FREQUENCY RANGE 18 - 27 GHz (worst case):

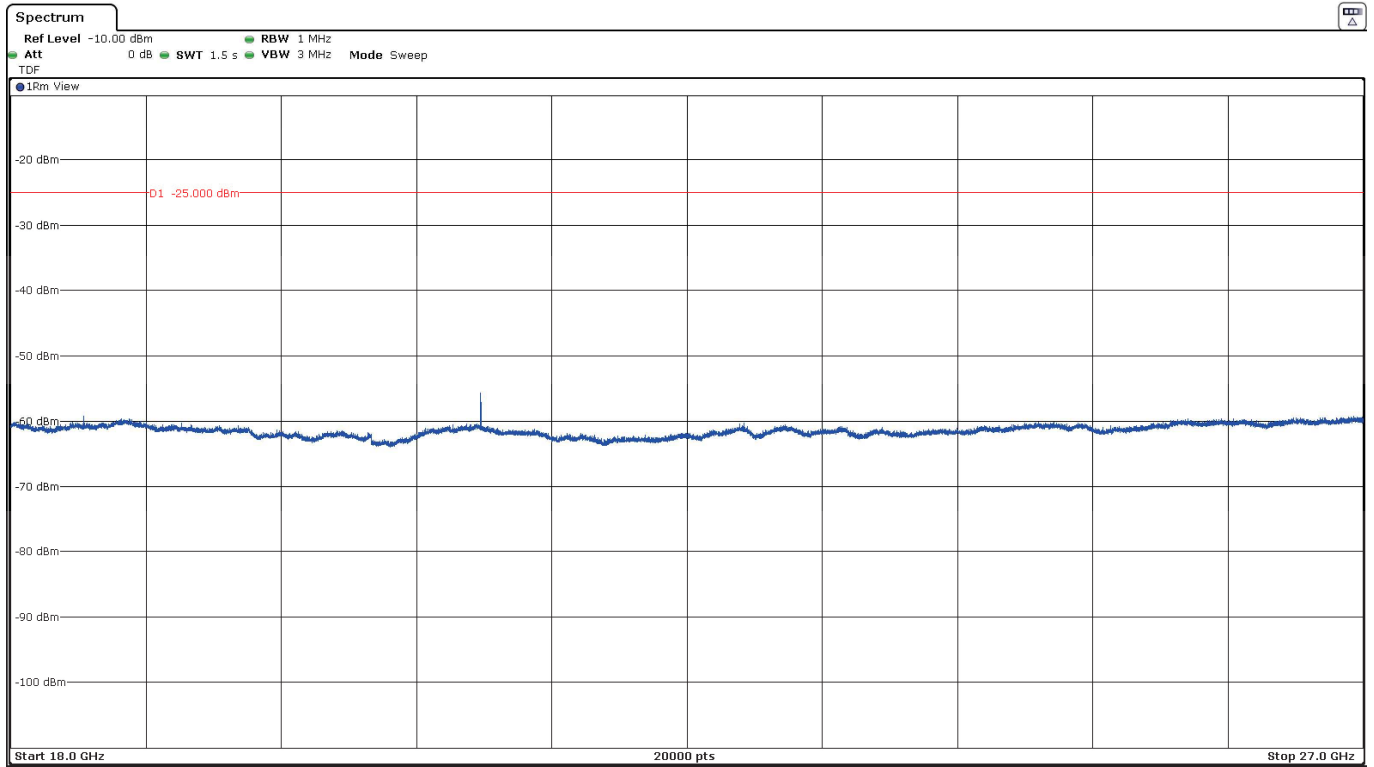
- Low Channel:



- Middle Channel:

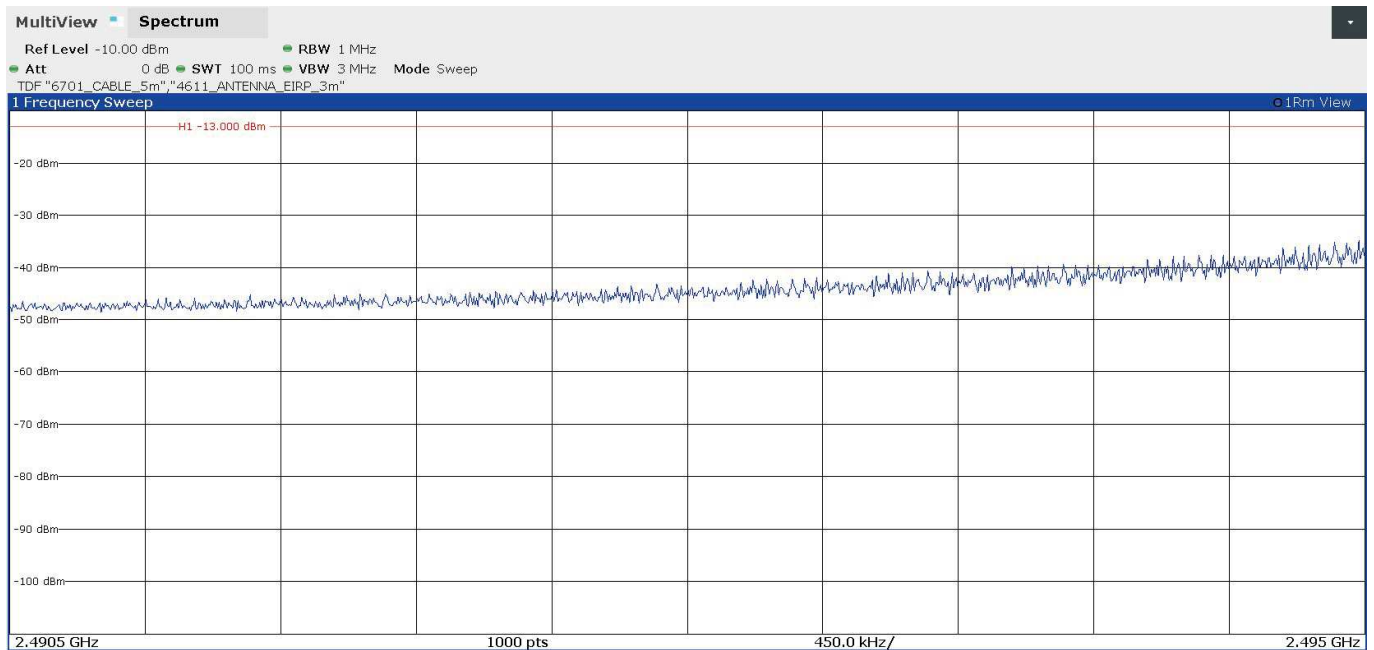


- High Channel:

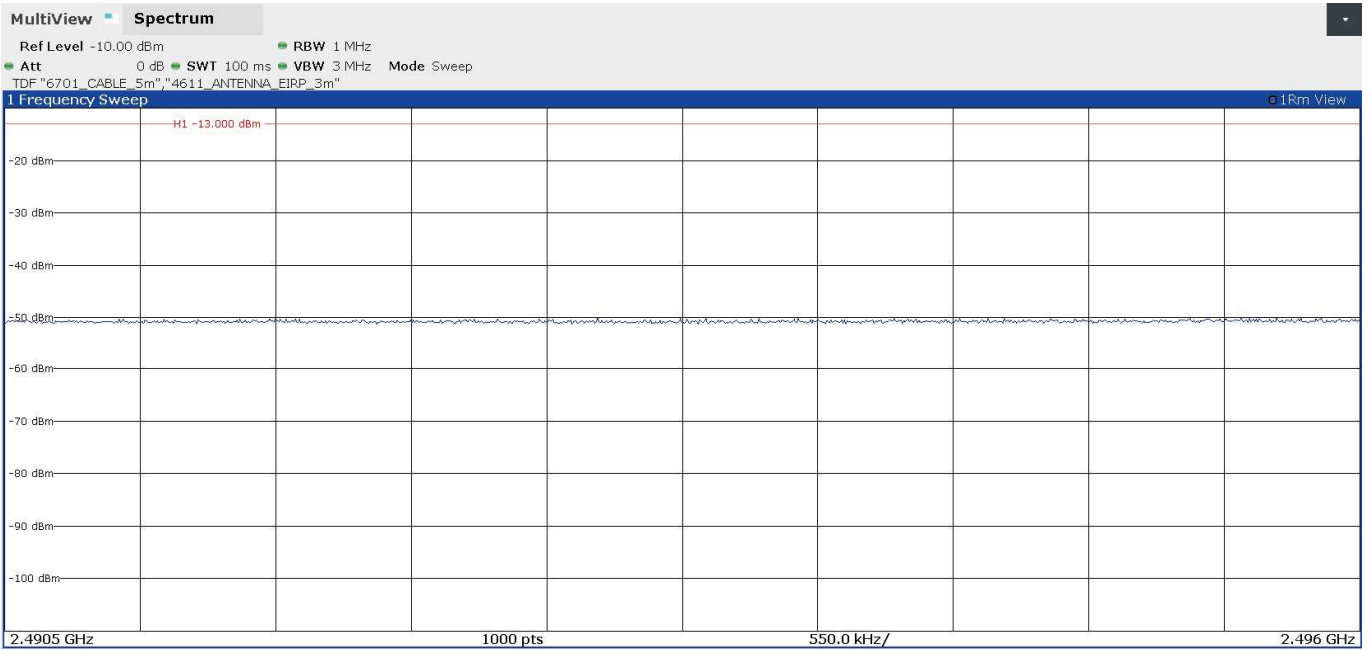


FREQUENCY RANGE 2490.5 - 2496 MHz (worst case):

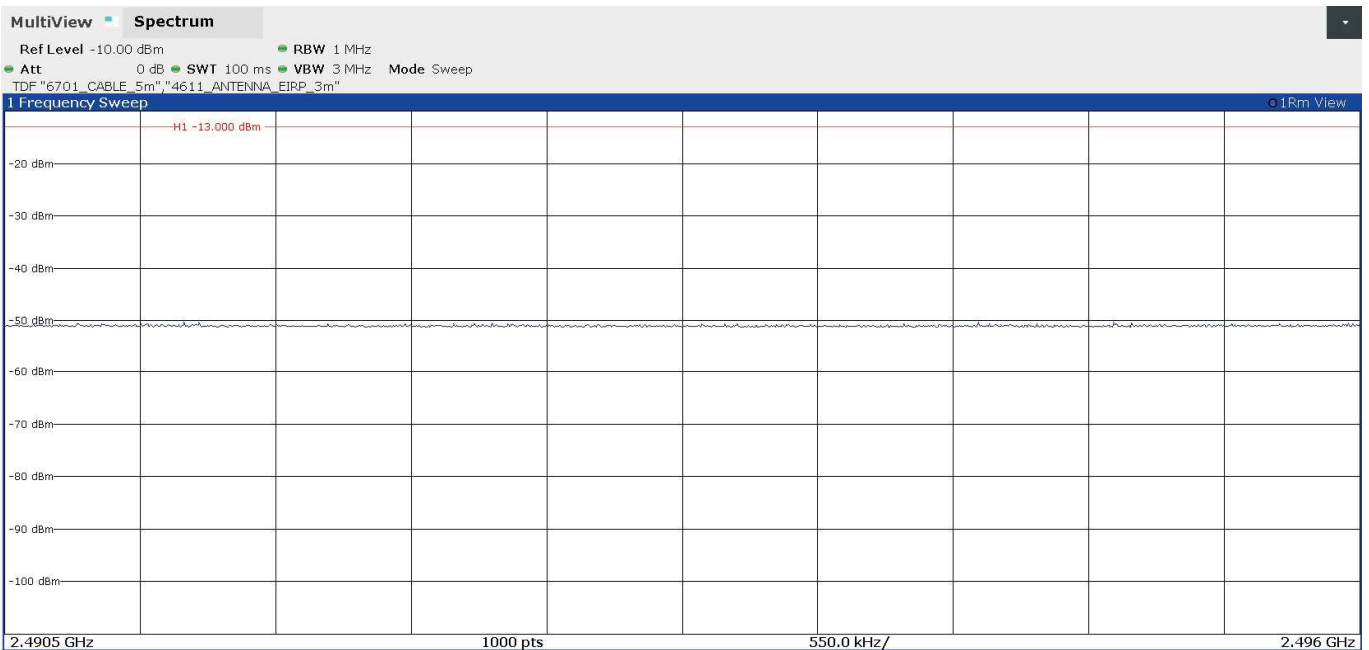
- Low Channel:



- Middle Channel:



- High Channel:



LTE Band CA 66B + LTE Band 66:

QPSK and QAM modulations: A preliminary scan determined the worst case:

- 1) LTE CA_66B: For the PCC: QPSK modulation, BW=5 MHz, RB=1, Offset=0.
 For the SCC1: QPSK modulation, BW=10 MHz, RB=1, Offset=0.
- 2) LTE Band 66: QPSK modulation, BW=3 MHz, RB=1, Offset=0.

The following results are the ones of the worst case.

- LOW CHANNEL:

Frequency range 30 MHz - 1 GHz:

No spurious frequencies at less than 20 dB below the limit.

Frequency range 1 - 18 GHz:

Spurious frequencies at less than 20 dB below the limit:

Spurious frequency (GHz)	E.I.R.P (dBm)	Polarization	Detector	Measurement Uncertainty (dB)
3.44725	-32.89	V	Peak	<± 4.98

- MIDDLE CHANNEL:

Frequency range 30 MHz - 1 GHz:

No spurious frequencies at less than 20 dB below the limit.

Frequency range 1 - 18 GHz:

Spurious frequencies at less than 20 dB below the limit:

Spurious frequency (GHz)	E.I.R.P (dBm)	Polarization	Detector	Measurement Uncertainty (dB)
3.47775	-29.88	V	Peak	<± 4.98

- HIGH CHANNEL:

Frequency range 30 MHz - 1 GHz:

No spurious frequencies at less than 20 dB below the limit.

Frequency range 1 - 18 GHz:

Spurious frequencies at less than 20 dB below the limit:

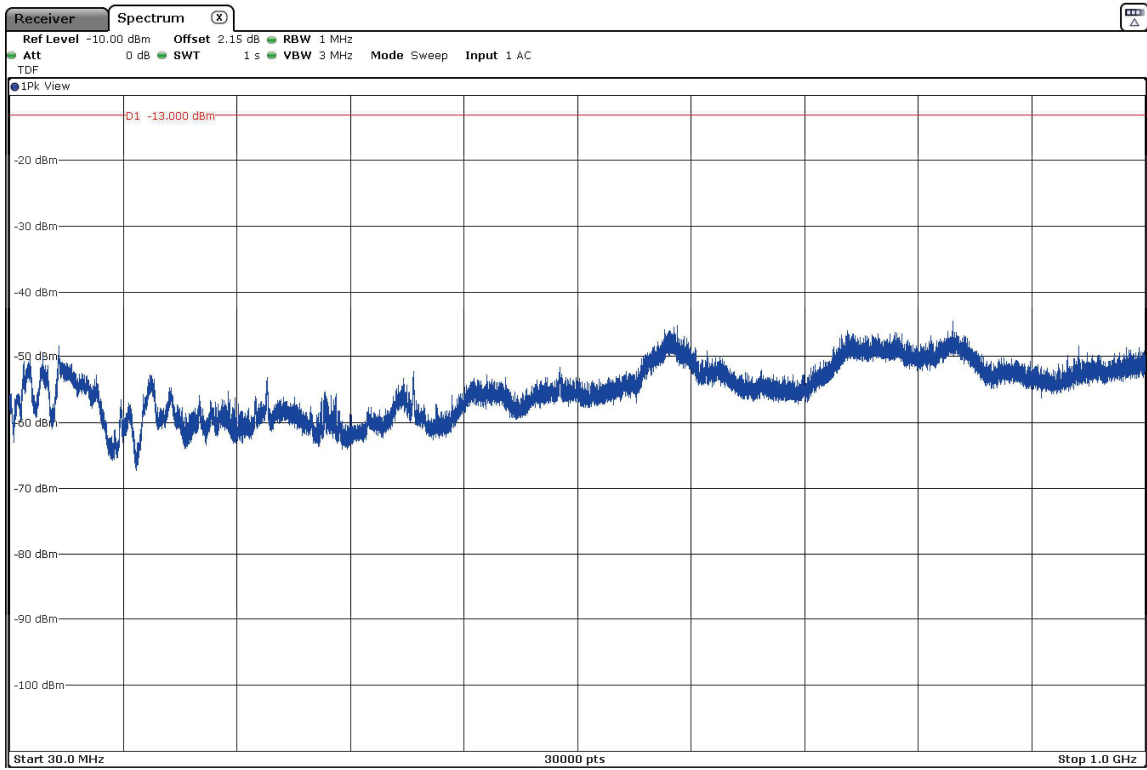
Spurious frequency (GHz)	E.I.R.P (dBm)	Polarization	Detector	Measurement Uncertainty (dB)
3.51775	-27.38	V	Peak	<± 4.98

Measurement Uncertainty (dB)	<± 4.99 for f < 1 GHz <± 4.98 for f ≥ 1 GHz up to 17 GHz <± 5.08 for f ≥ 17 GHz up to 18 GHz
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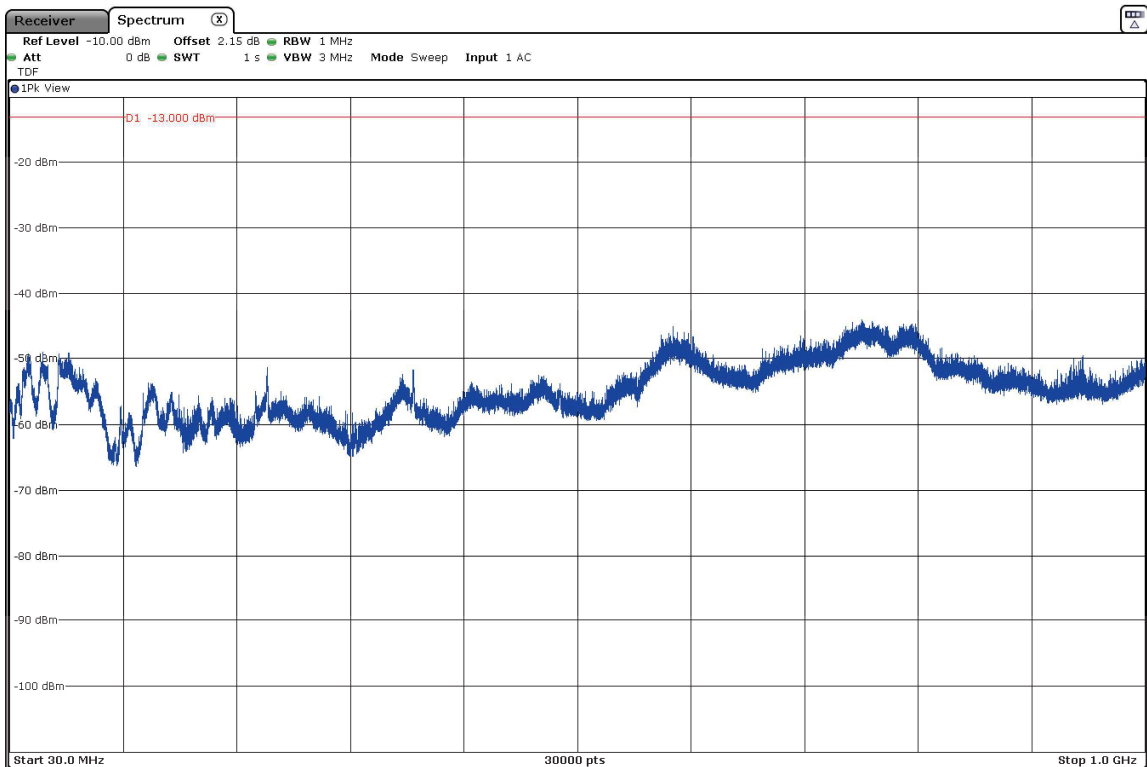
Verdict: PASS

FREQUENCY RANGE 30 MHz - 1 GHz (worst mode):

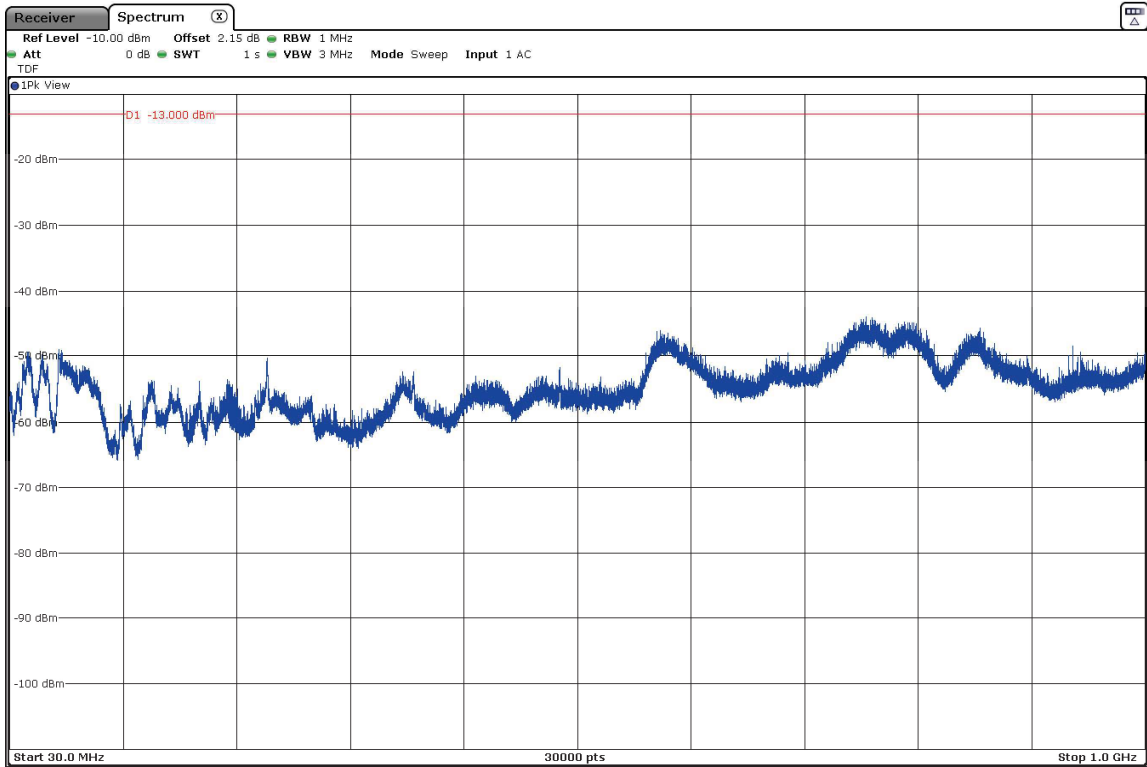
- Low Channel:



- Middle Channel:

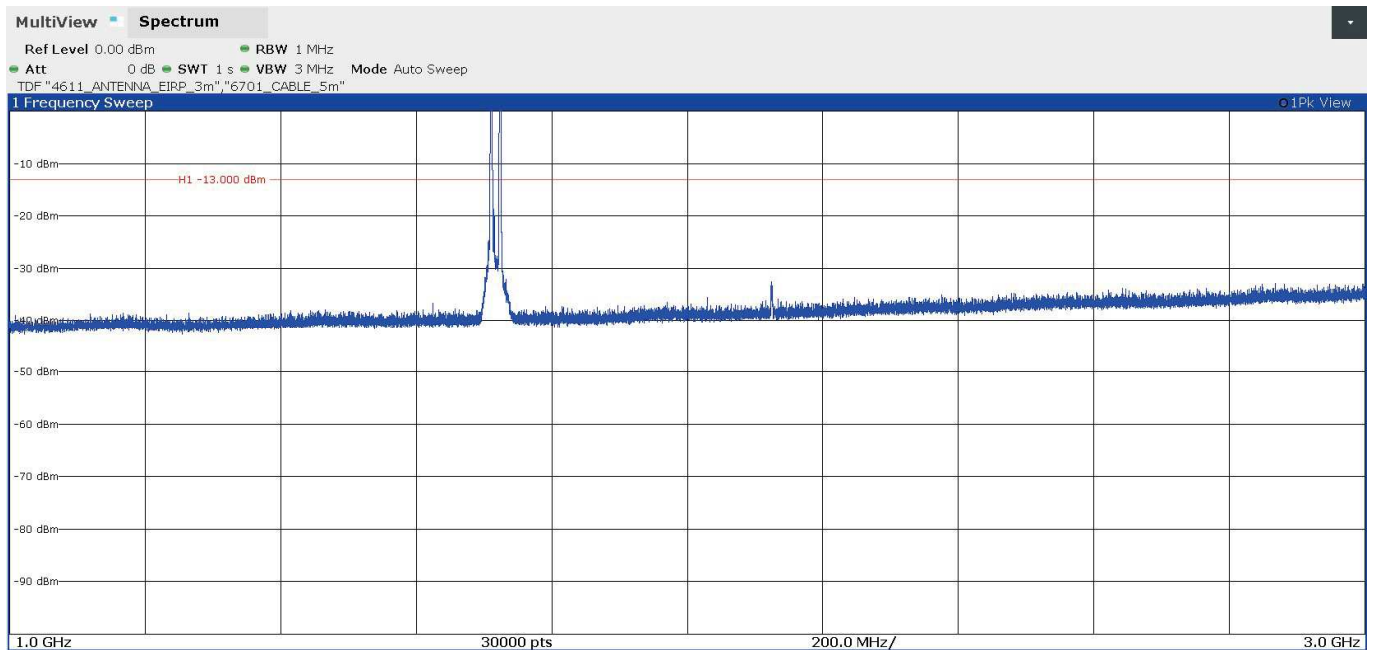


- High Channel:



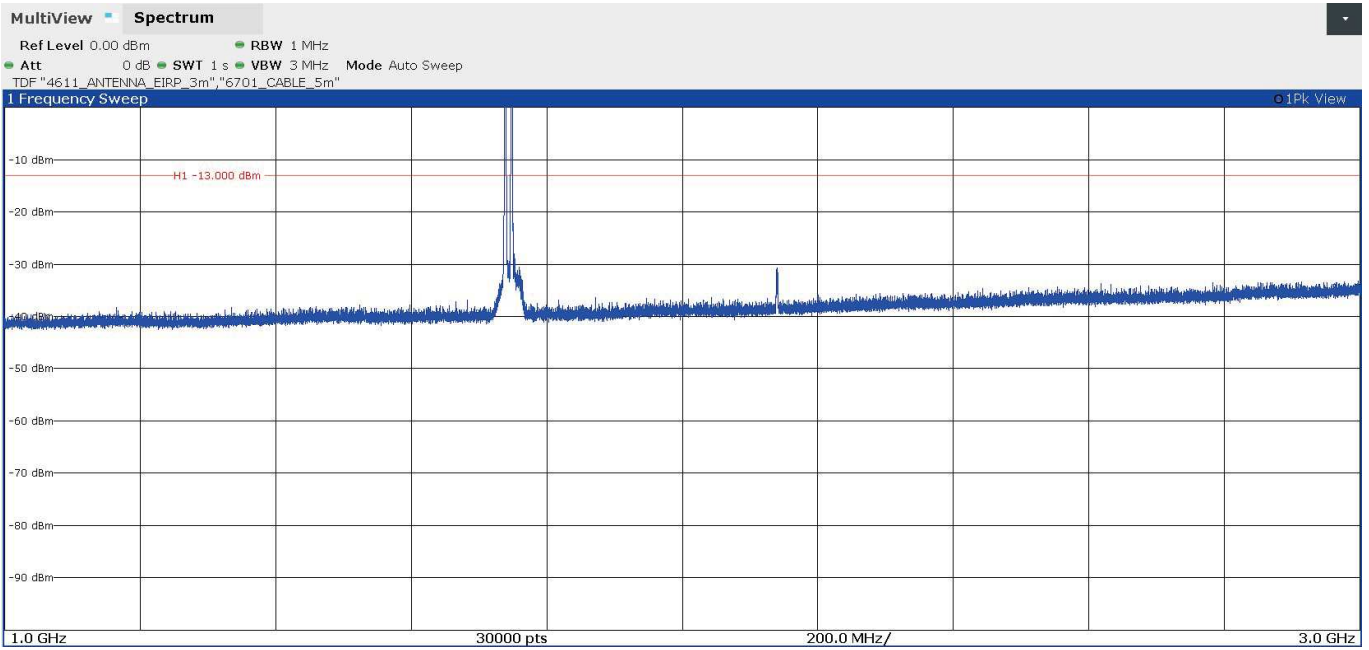
FREQUENCY RANGE 1 - 3 GHz (worst mode):

- Low Channel:



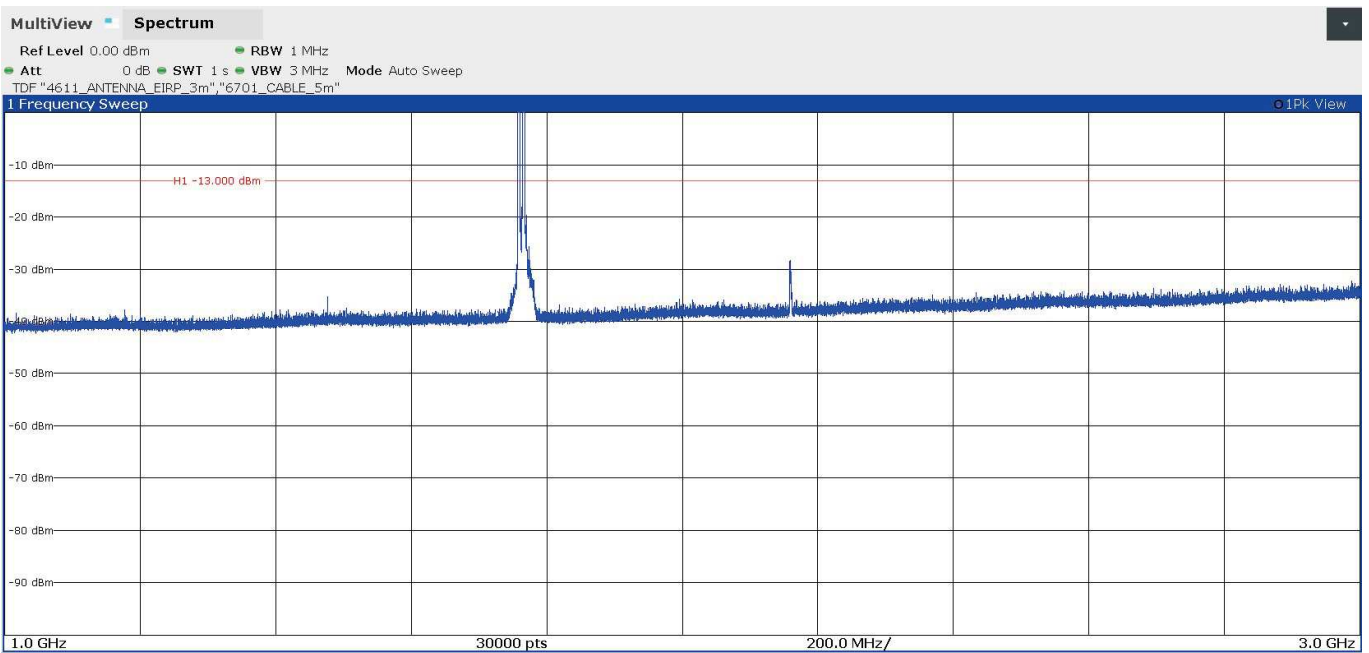
The peaks above the limit are the carrier frequencies. The peak at 2112.8MHz corresponds to the downlink signal.

- Middle Channel:



The peaks above the limit are the carrier frequencies. The peak at 2140MHz corresponds to the downlink signal.

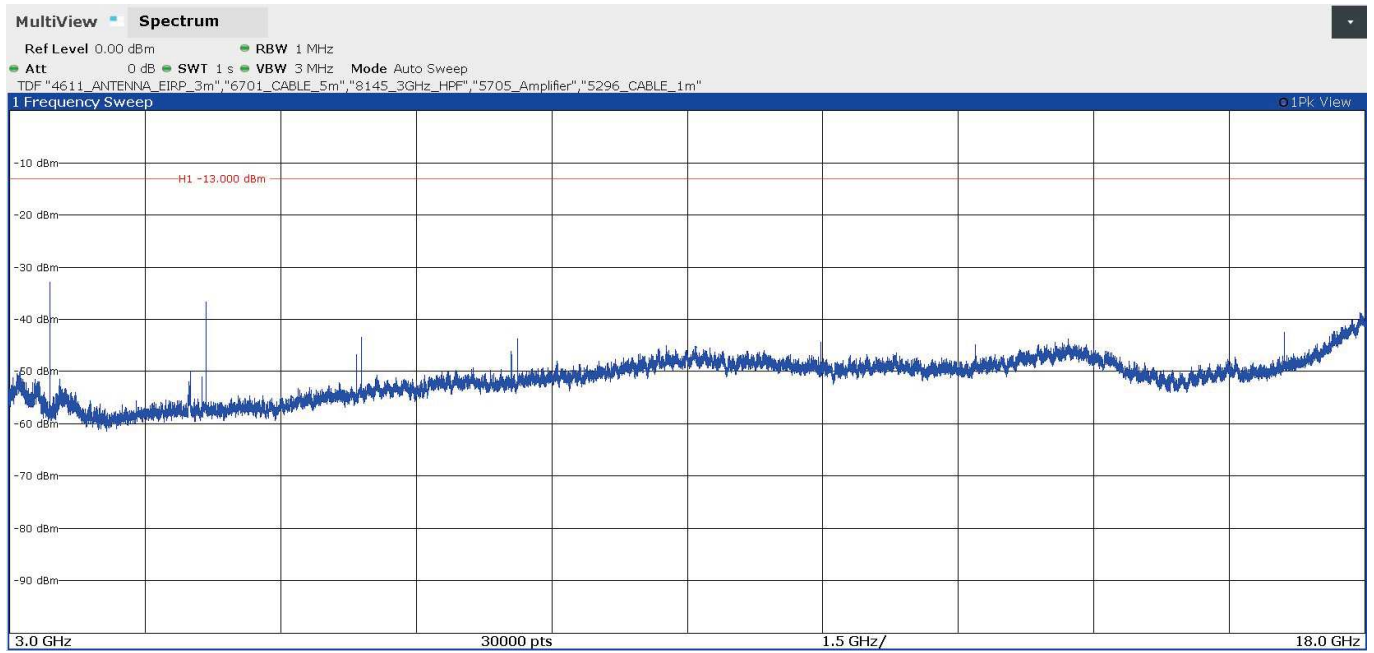
- High Channel:



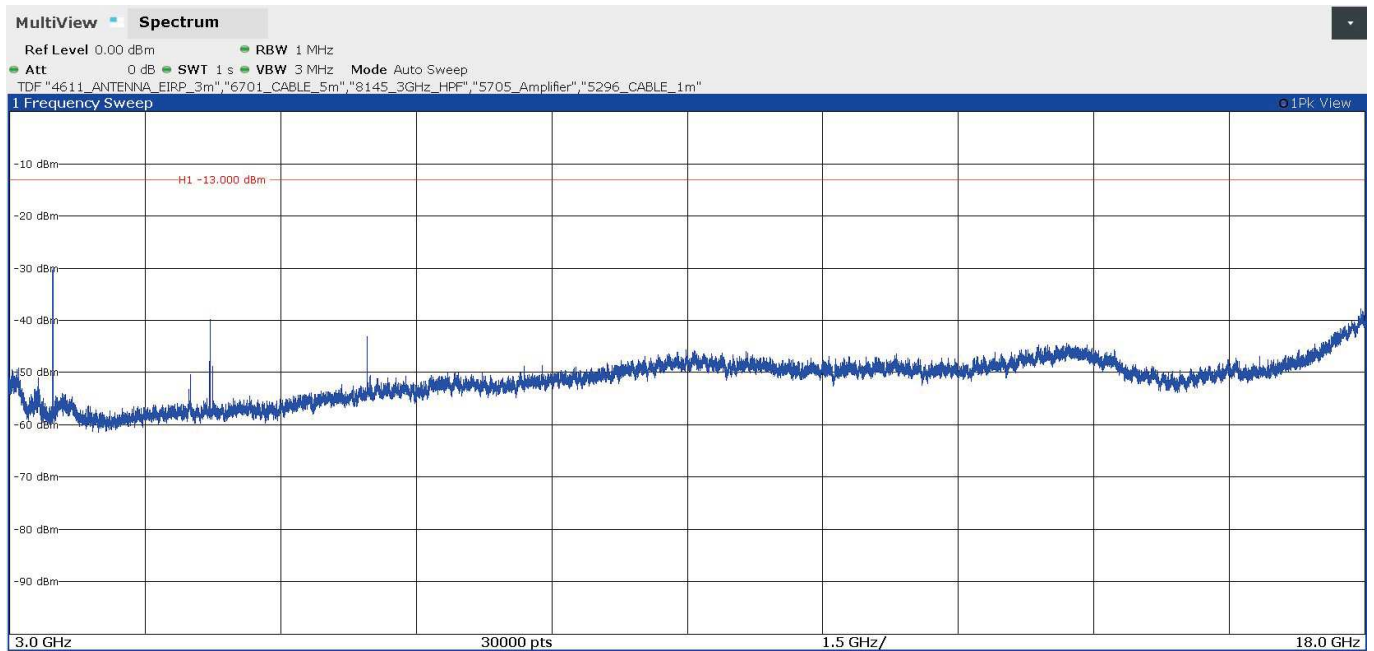
The peaks above the limit are the carrier frequencies. The peak at 2160MHz corresponds to the downlink signal.

FREQUENCY RANGE 3 - 18 GHz (worst mode):

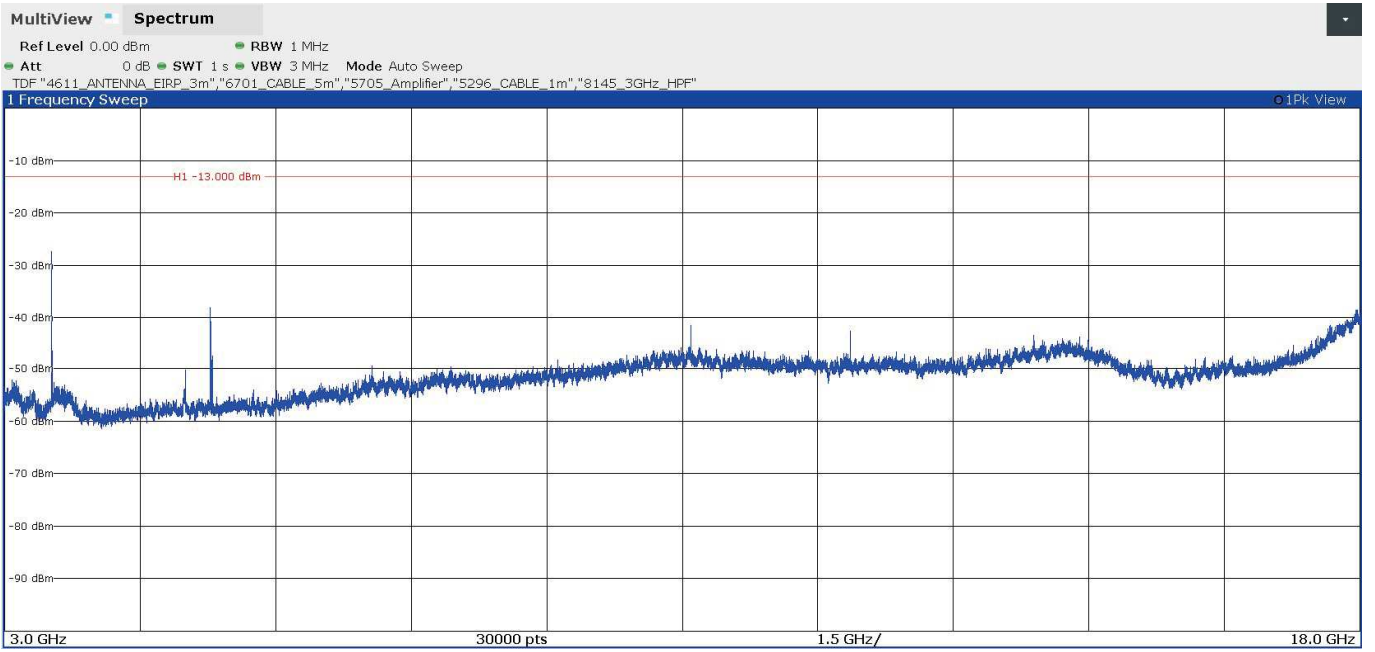
- Low Channel:



- Middle Channel:



- High Channel:



• **CA_66C:**

QPSK and QAM modulations: A preliminary scan determined the worst case:

- 1) LTE CA_66C: For the PCC: QPSK modulation, BW=15 MHz, RB=1, Offset=0.
 For the SCC1: QPSK modulation, BW=10 MHz, RB=1, Offset=0.
- 2) LTE Band 66: QPSK modulation, BW=3 MHz, RB=1, Offset=0.

The following results are the ones of the worst case.

- LOW CHANNEL:

Frequency range 30 MHz - 1 GHz:

Spurious frequencies at less than 20 dB below the limit:

Spurious frequency (GHz)	E.I.R.P (dBm)	Polarization	Detector	Measurement Uncertainty (dB)
223.693	-30.02	V	Peak	<± 4.99
657.348	-32.55	V	Peak	<± 4.99
667.63	-32.22	V	Peak	<± 4.99
338.703	-29.84	H	Peak	<± 4.99

Frequency range 1 - 18 GHz:

Spurious frequencies at less than 20 dB below the limit:

Spurious frequency (GHz)	E.I.R.P (dBm)	Polarization	Detector	Measurement Uncertainty (dB)
3.47375	-32.35	V	Peak	<± 4.98

- MIDDLE CHANNEL:

Frequency range 30 MHz - 1 GHz:

No spurious frequencies at less than 20 dB below the limit.

Frequency range 1 - 18 GHz:

Spurious frequencies at less than 20 dB below the limit:

Spurious frequency (GHz)	E.I.R.P (dBm)	Polarization	Detector	Measurement Uncertainty (dB)
1.798833	-32.26	V	Peak	<± 4.98
3.47325	-30.8	V	Peak	<± 4.98

- HIGH CHANNEL:

Frequency range 30 MHz - 1 GHz:

No spurious frequencies at less than 20 dB below the limit.

Frequency range 1 - 18 GHz:

Spurious frequencies at less than 20 dB below the limit:

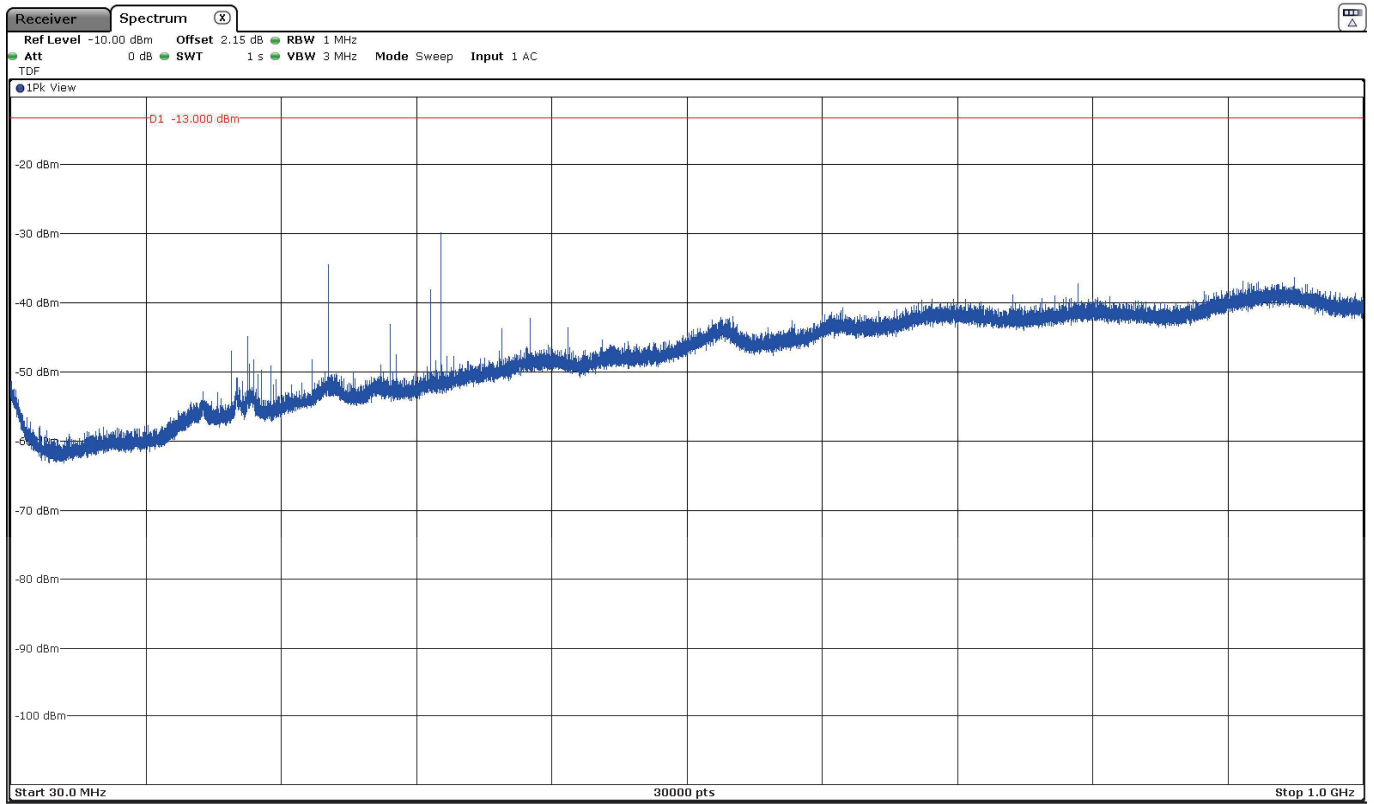
Spurious frequency (GHz)	E.I.R.P (dBm)	Polarization	Detector	Measurement Uncertainty (dB)
1.7837	-23.26	V	Peak	<± 4.98

Measurement Uncertainty (dB)	<± 4.99 for f < 1 GHz <± 4.98 for f ≥ 1 GHz up to 17 GHz <± 5.08 for f ≥ 17 GHz up to 18 GHz
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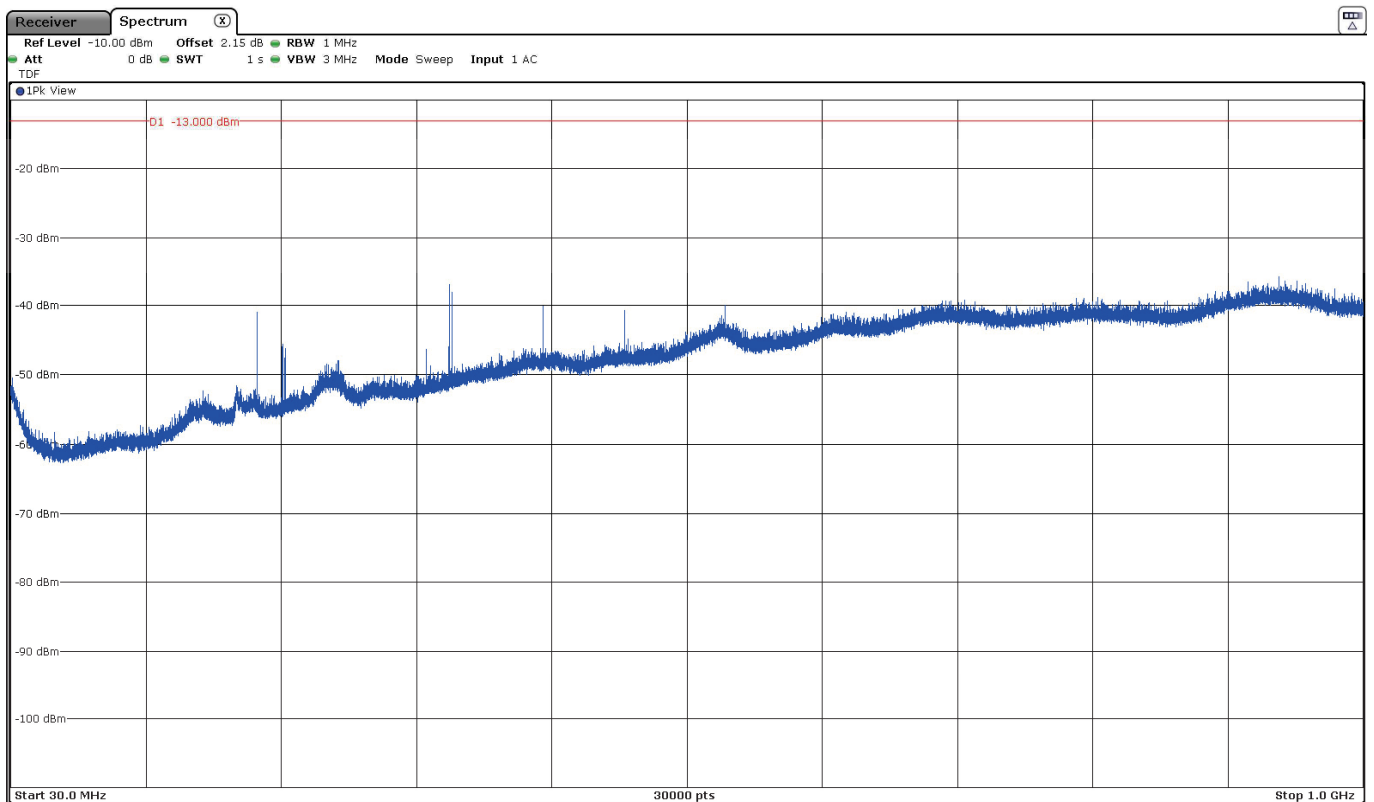
Verdict: PASS

FREQUENCY RANGE 30 MHz - 1 GHz (worst mode):

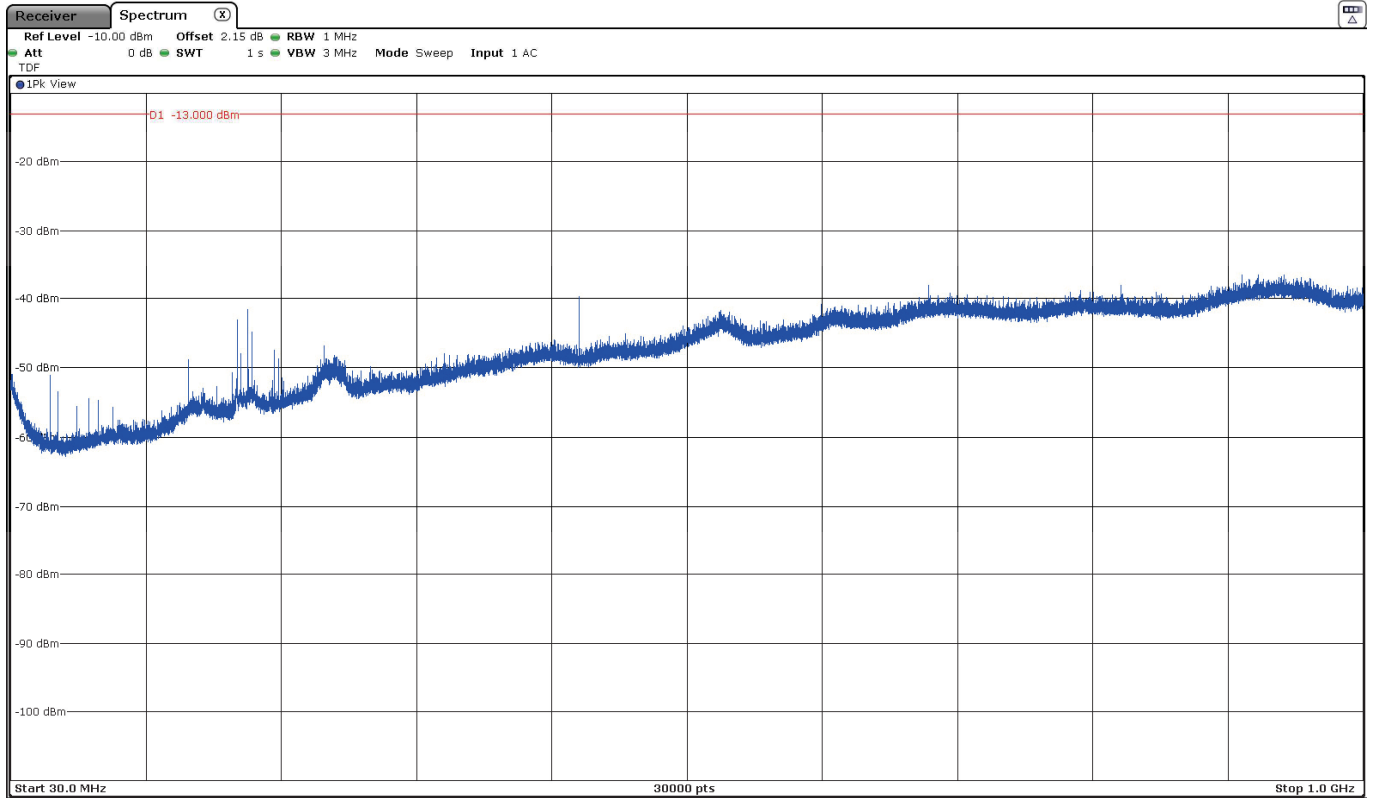
- Low Channel:



- Middle Channel:

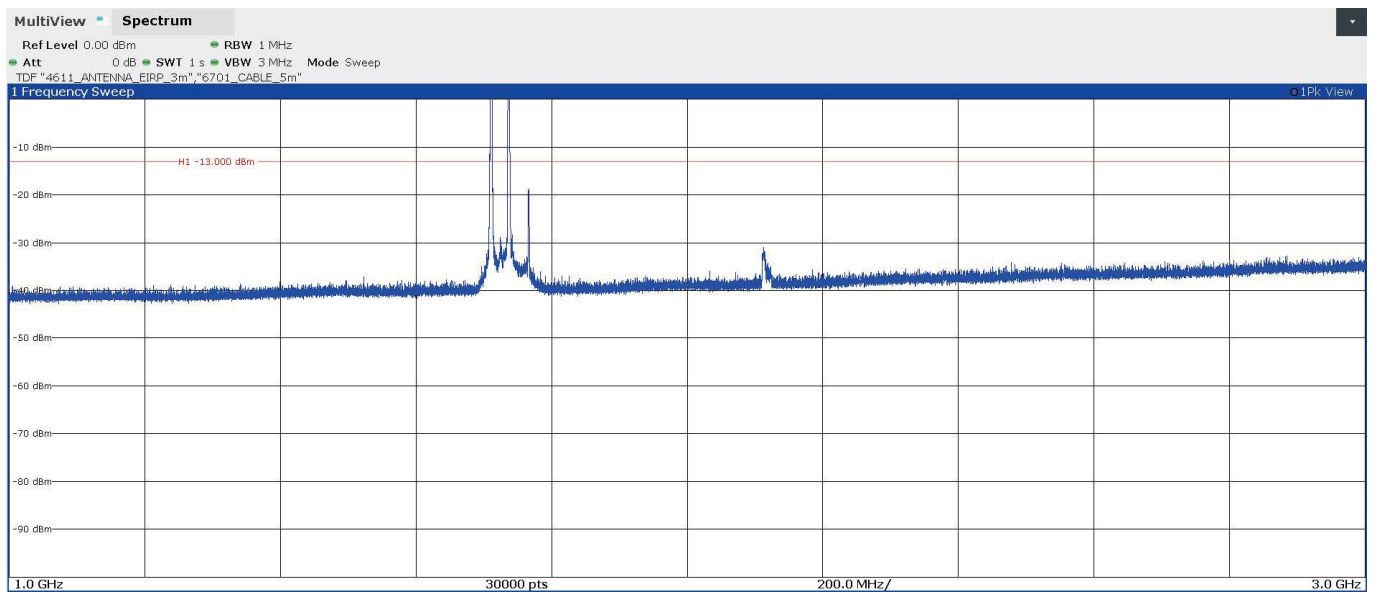


- High Channel:



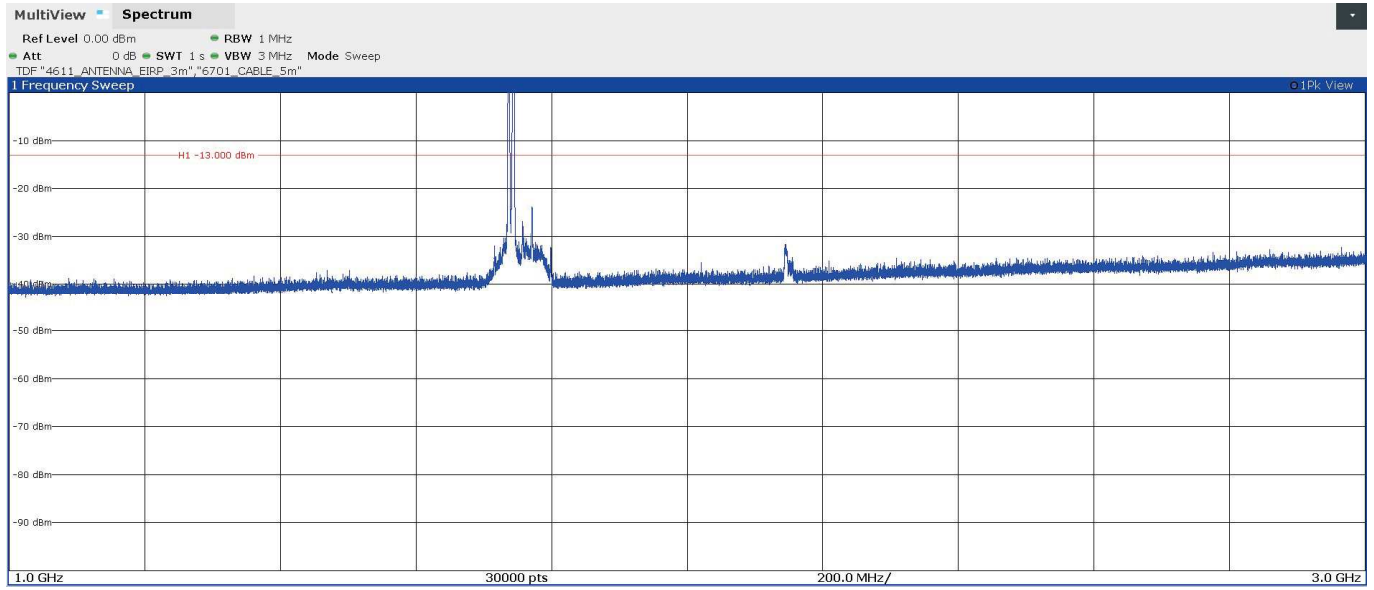
FREQUENCY RANGE 1 - 3 GHz (worst mode):

- Low Channel:



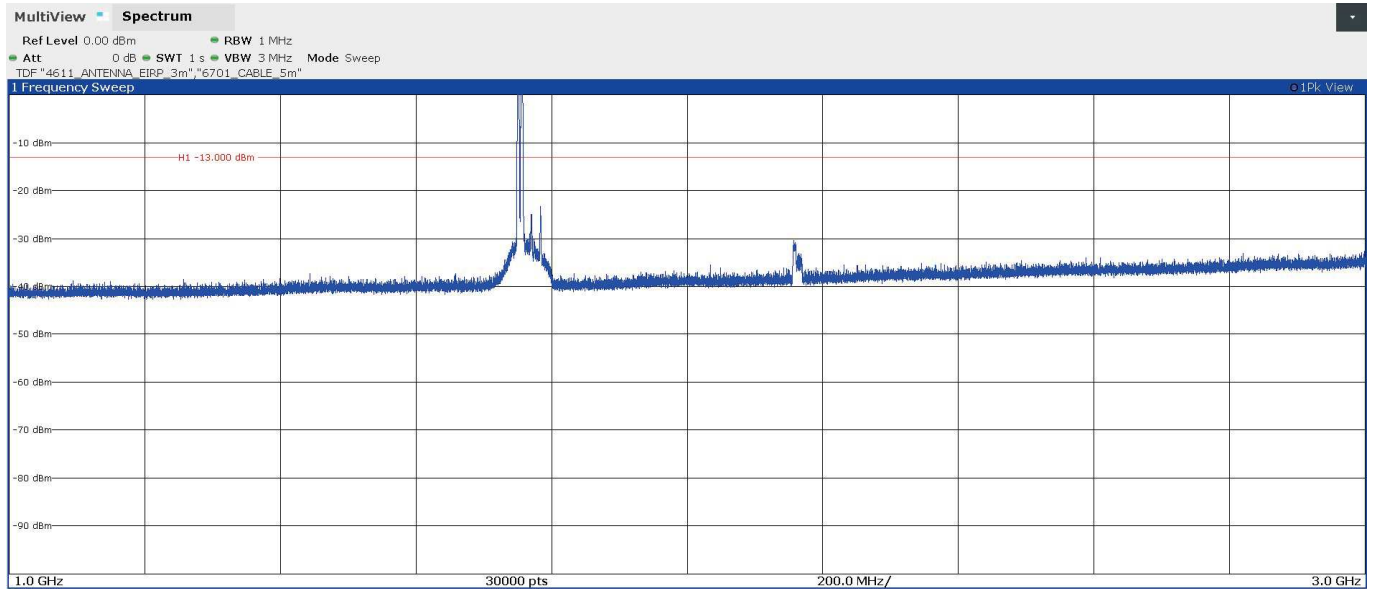
The peaks above the limit are the carrier frequencies. The peak at 2117.5MHz corresponds to the downlink signal.

- Middle Channel:



The peaks above the limit are the carrier frequencies. The peak at 2140MHz corresponds to the downlink signal.

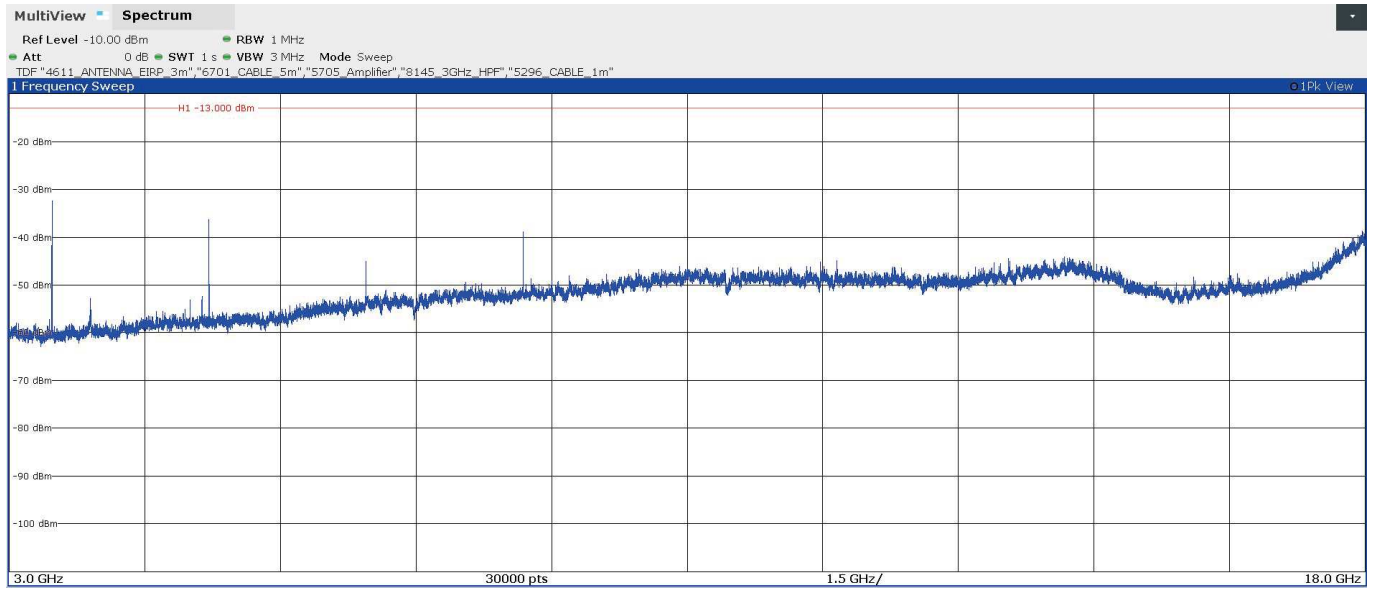
- High Channel:



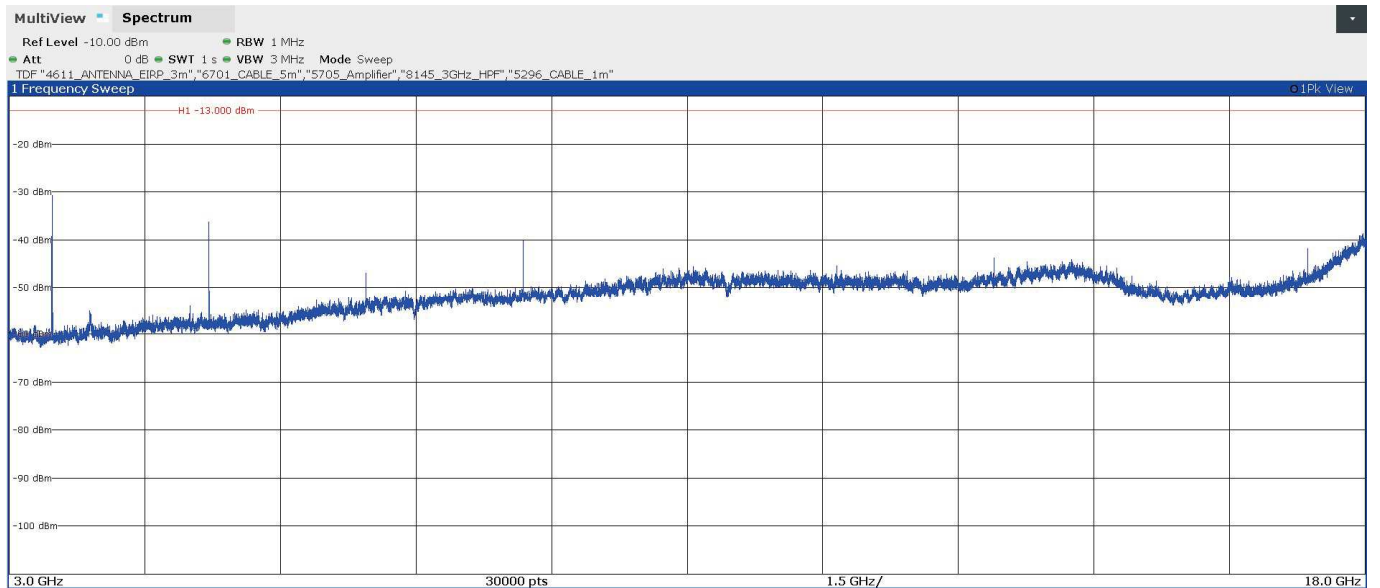
The peaks above the limit are the carrier frequencies. The peak at 2152MHz corresponds to the downlink signal.

FREQUENCY RANGE 3 - 18 GHz (worst mode):

- Low Channel:



- Middle Channel:



- High Channel:

