

Tabular Data of Non-Contiguous Occupied Bandwidth
B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier]

Ant	Mod	B66 LTE 5 MHz		B66 LTE 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2112.50	4.5098	2177.50	4.5056	9.0154
	16QAM	2112.50	4.5142	2177.50	4.4609	8.9752
	64QAM	2112.50	4.5017	2177.50	4.5053	9.0070
	256QAM	2112.50	4.4948	2177.50	4.5147	9.0095
1	QPSK	2112.50	4.5197	2177.50	4.4992	9.0189
	16QAM	2112.50	4.4884	2177.50	4.4867	8.9751
	64QAM	2112.50	4.5103	2177.50	4.4967	9.0070
	256QAM	2112.50	4.4986	2177.50	4.5131	9.0117

B66 LTE 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier]

Ant	Mod	B66 LTE 20 MHz		B66 LTE 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2120.00	17.963	2177.50	4.5094	22.473
	16QAM	2120.00	18.023	2177.50	4.5061	22.529
	64QAM	2120.00	17.955	2177.50	4.5032	22.458
	256QAM	2120.00	18.001	2177.50	4.5026	22.504
1	QPSK	2120.00	17.942	2177.50	4.5137	22.456
	16QAM	2120.00	18.049	2177.50	4.5072	22.556
	64QAM	2120.00	17.953	2177.50	4.5026	22.455
	256QAM	2120.00	17.966	2177.50	4.4994	22.466

B66 LTE 20 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier [2 Carrier]

Ant	Mod	B66 LTE 20 MHz		B66 LTE 10 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2120.00	17.936	2175.00	9.0044	26.941
	16QAM	2120.00	18.031	2175.00	9.0223	27.053
	64QAM	2120.00	17.905	2175.00	9.0256	26.931
	256QAM	2120.00	17.982	2175.00	8.9844	26.966
1	QPSK	2120.00	17.979	2175.00	8.9999	26.979
	16QAM	2120.00	17.978	2175.00	9.0397	27.018
	64QAM	2120.00	17.933	2175.00	8.9964	26.929
	256QAM	2120.00	17.941	2175.00	9.0081	26.949

5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [2 Carrier]

Ant	Mod	5G NR n66 5 MHz		5G NR n66 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2112.50	4.4844	2177.50	4.4981	8.9825
	16QAM	2112.50	4.5111	2177.50	4.5166	9.0278
	64QAM	2112.50	4.4934	2177.50	4.4925	8.9858
	256QAM	2112.50	4.4958	2177.50	4.4909	8.9868
1	QPSK	2112.50	4.5007	2177.50	4.4880	8.9887
	16QAM	2112.50	4.5145	2177.50	4.5149	9.0294
	64QAM	2112.50	4.4934	2177.50	4.4897	8.9830
	256QAM	2112.50	4.5000	2177.50	4.4923	8.9923

5G NR n66 20 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [2 Carrier]

Ant	Mod	5G NR n66 20 MHz		5G NR n66 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2120.00	18.998	2177.50	4.4847	23.483
	16QAM	2120.00	19.050	2177.50	4.5067	23.557
	64QAM	2120.00	18.992	2177.50	4.4803	23.472
	256QAM	2120.00	18.978	2177.50	4.4969	23.475
1	QPSK	2120.00	18.964	2177.50	4.4866	23.451
	16QAM	2120.00	19.111	2177.50	4.4986	23.609
	64QAM	2120.00	18.966	2177.50	4.5006	23.466
	256QAM	2120.00	19.024	2177.50	4.4962	23.521

5G NR n66 20 MHz 1 Carrier + 5G NR n66 10 MHz 1 Carrier [2 Carrier]

Ant	Mod	5G NR n66 20 MHz		5G NR n66 10 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2120.00	18.941	2175.00	9.3490	28.290
	16QAM	2120.00	19.047	2175.00	9.2787	28.326
	64QAM	2120.00	19.012	2175.00	9.3022	28.315
	256QAM	2120.00	18.959	2175.00	9.3464	28.306
1	QPSK	2120.00	18.964	2175.00	9.3189	28.283
	16QAM	2120.00	19.055	2175.00	9.3007	28.355
	64QAM	2120.00	18.979	2175.00	9.3131	28.292
	256QAM	2120.00	18.994	2175.00	9.3117	28.306

5G NR n66 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier]

Ant	Mod	5G NR n66 5 MHz		B66 LTE 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2112.50	4.4897	2177.50	4.5062	8.9959
	16QAM	2112.50	4.5023	2177.50	4.4932	8.9954
	64QAM	2112.50	4.5015	2177.50	4.5115	9.0130
	256QAM	2112.50	4.4940	2177.50	4.5311	9.0250
1	QPSK	2112.50	4.4851	2177.50	4.5012	8.9863
	16QAM	2112.50	4.5156	2177.50	4.4687	8.9843
	64QAM	2112.50	4.4983	2177.50	4.5304	9.0287
	256QAM	2112.50	4.4932	2177.50	4.5213	9.0145

5G NR n66 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier]

Ant	Mod	5G NR n66 20 MHz		B66 LTE 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2120.00	18.962	2177.50	4.5070	23.469
	16QAM	2120.00	19.055	2177.50	4.4856	23.541
	64QAM	2120.00	19.001	2177.50	4.5047	23.506
	256QAM	2120.00	18.967	2177.50	4.5189	23.486
1	QPSK	2120.00	18.973	2177.50	4.4919	23.464
	16QAM	2120.00	19.034	2177.50	4.5006	23.535
	64QAM	2120.00	18.965	2177.50	4.4923	23.457
	256QAM	2120.00	18.961	2177.50	4.5090	23.470

5G NR n66 20 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier [2 Carrier]

Ant	Mod	5G NR n66 20 MHz		B66 LTE 10 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2120.00	18.975	2175.00	9.0162	27.991
	16QAM	2120.00	19.025	2175.00	9.0220	28.047
	64QAM	2120.00	18.993	2175.00	9.0063	27.999
	256QAM	2120.00	18.965	2175.00	9.0096	27.974
1	QPSK	2120.00	18.963	2175.00	9.0031	27.966
	16QAM	2120.00	19.087	2175.00	8.9988	28.085
	64QAM	2120.00	18.958	2175.00	9.0250	27.983
	256QAM	2120.00	18.953	2175.00	9.0185	27.972

B66 LTE 20 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [2 Carrier]

Ant	Mod	B66 LTE 20 MHz		5G NR n66 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2120.00	17.942	2177.50	4.4734	22.416
	16QAM	2120.00	17.942	2177.50	4.5162	22.458
	64QAM	2120.00	17.958	2177.50	4.5054	22.463
	256QAM	2120.00	17.967	2177.50	4.4905	22.458
1	QPSK	2120.00	17.985	2177.50	4.4893	22.474
	16QAM	2120.00	17.939	2177.50	4.5094	22.449
	64QAM	2120.00	17.959	2177.50	4.5063	22.466
	256QAM	2120.00	17.954	2177.50	4.4833	22.438

B66 LTE 20 MHz 1 Carrier + 5G NR n66 10 MHz 1 Carrier [2 Carrier]

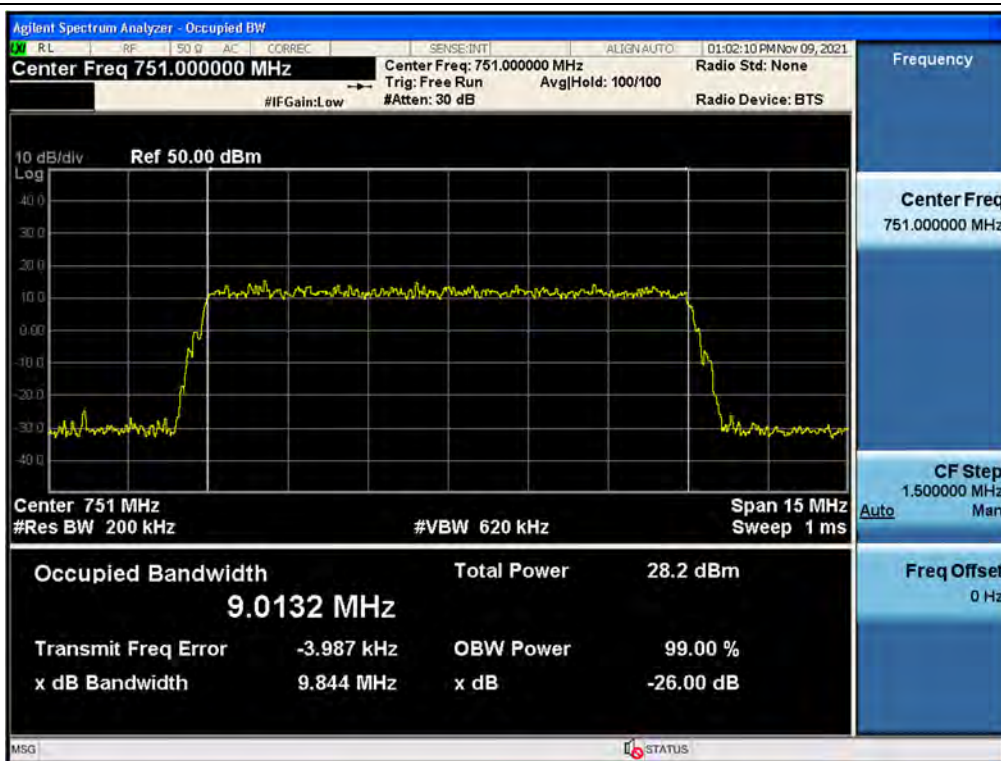
Ant	Mod	B66 LTE 20 MHz		5G NR n66 10 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2120.00	17.944	2175.00	9.3169	27.261
	16QAM	2120.00	17.942	2175.00	9.2314	27.174
	64QAM	2120.00	17.985	2175.00	9.3171	27.302
	256QAM	2120.00	17.980	2175.00	9.2976	27.278
1	QPSK	2120.00	17.987	2175.00	9.3131	27.300
	16QAM	2120.00	18.051	2175.00	9.2421	27.293
	64QAM	2120.00	17.952	2175.00	9.3029	27.255
	256QAM	2120.00	17.971	2175.00	9.3287	27.299

Plot Data of Occupied bandwidth

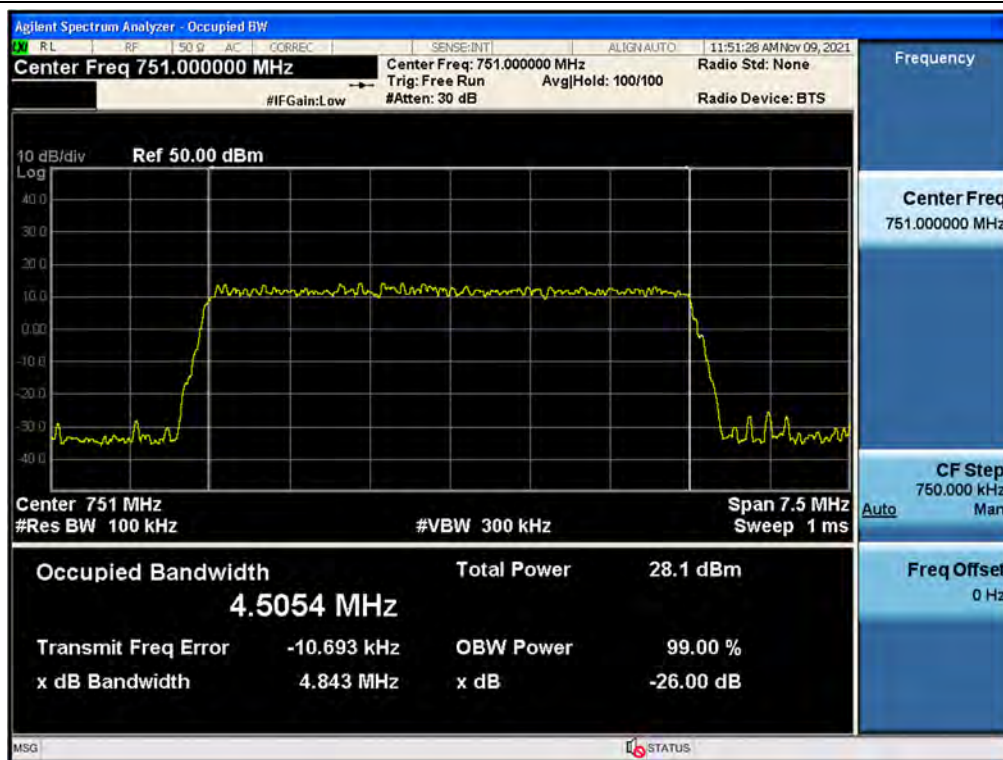
Antenna 1 / B13 LTE 5 MHz 1 Carrier / 64QAM / Low



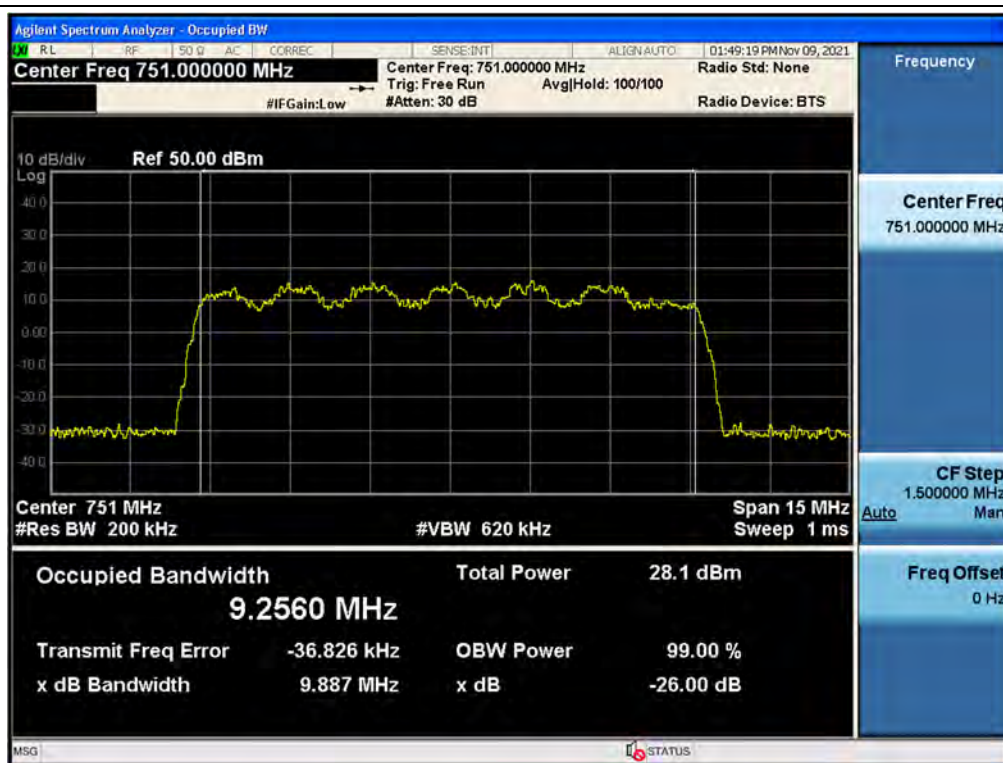
Antenna 1 / B13 LTE 10 MHz 1 Carrier / QPSK / Middle



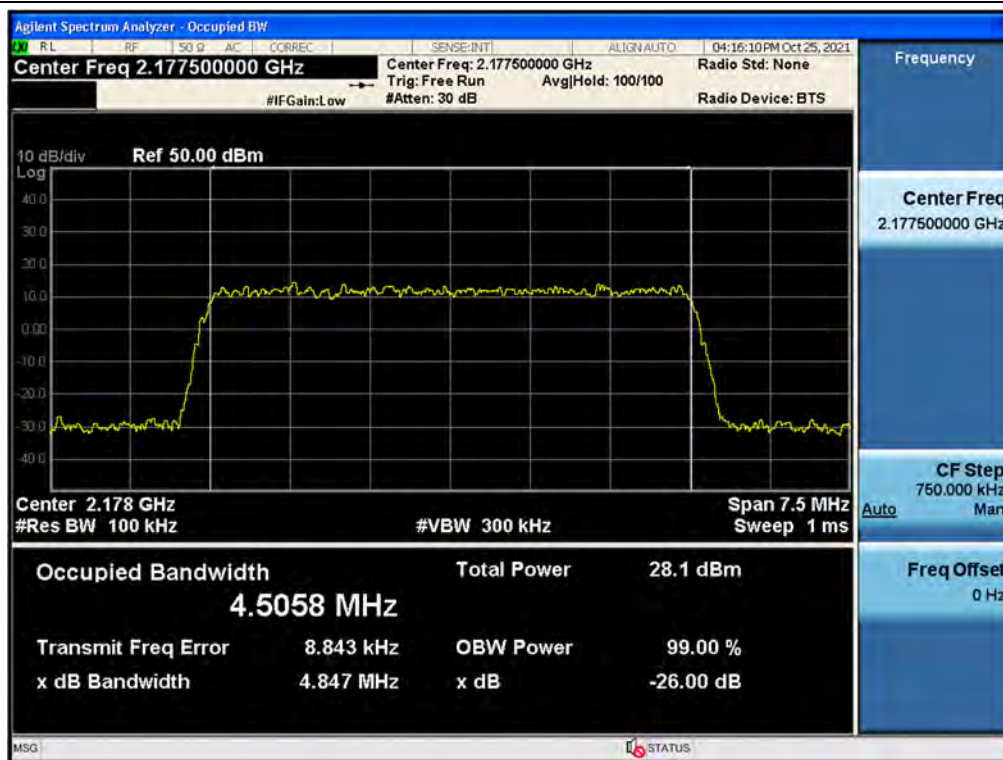
Antenna 0 / 5G NR n13 5 MHz 1 Carrier / 256QAM / Middle



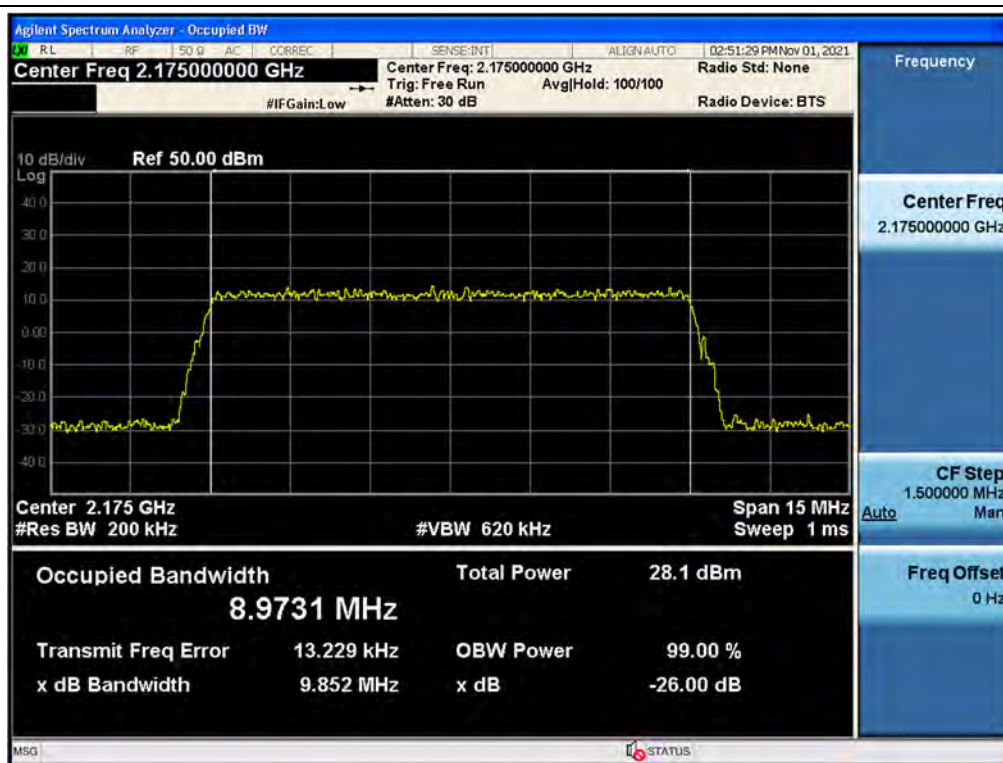
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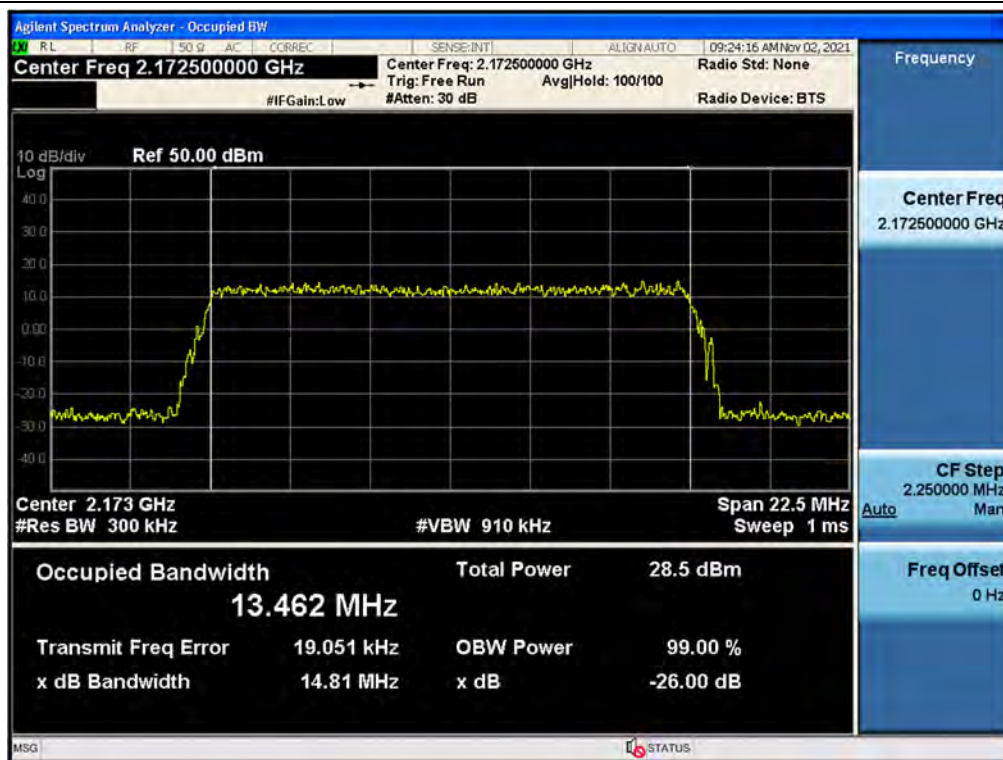
Antenna 0 / B66 LTE 5 MHz 1 Carrier / 64QAM / High



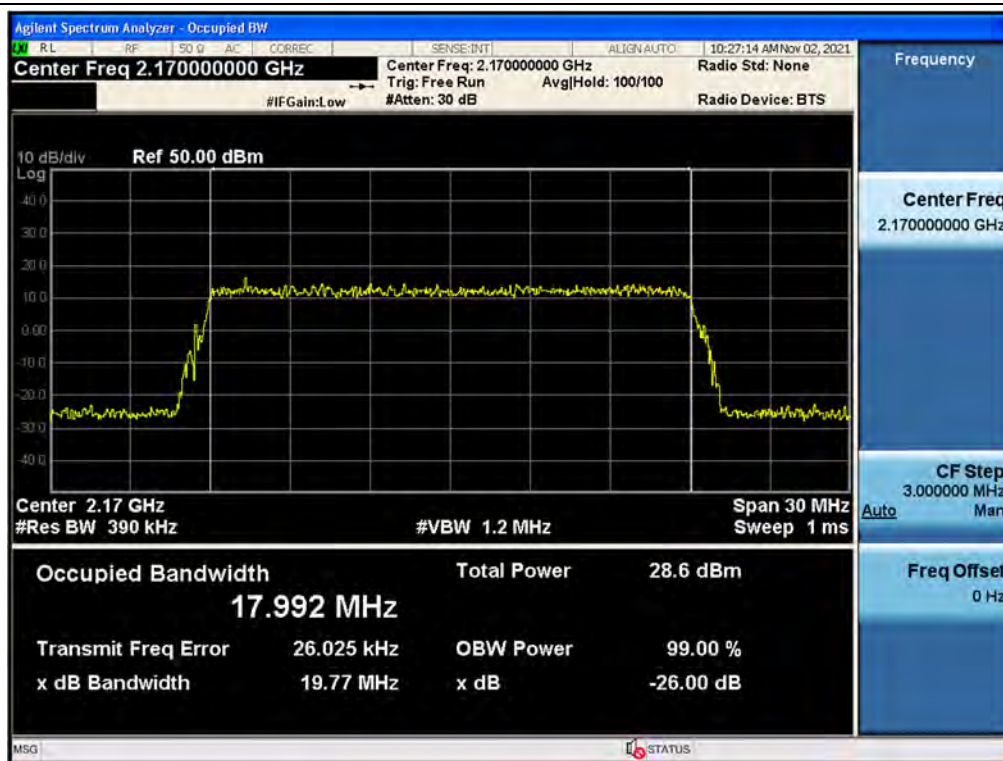
Antenna 1 / B66 LTE 10 MHz 1 Carrier / 64QAM / High



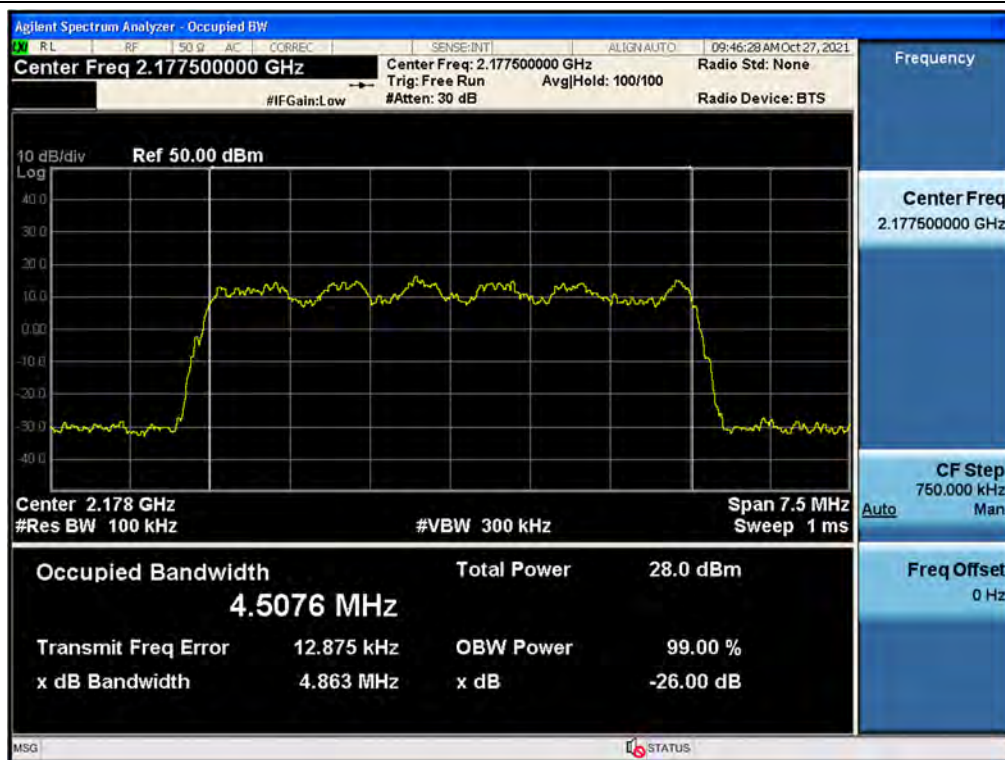
Antenna 1 / B66 LTE 15 MHz 1 Carrier / 64QAM / High



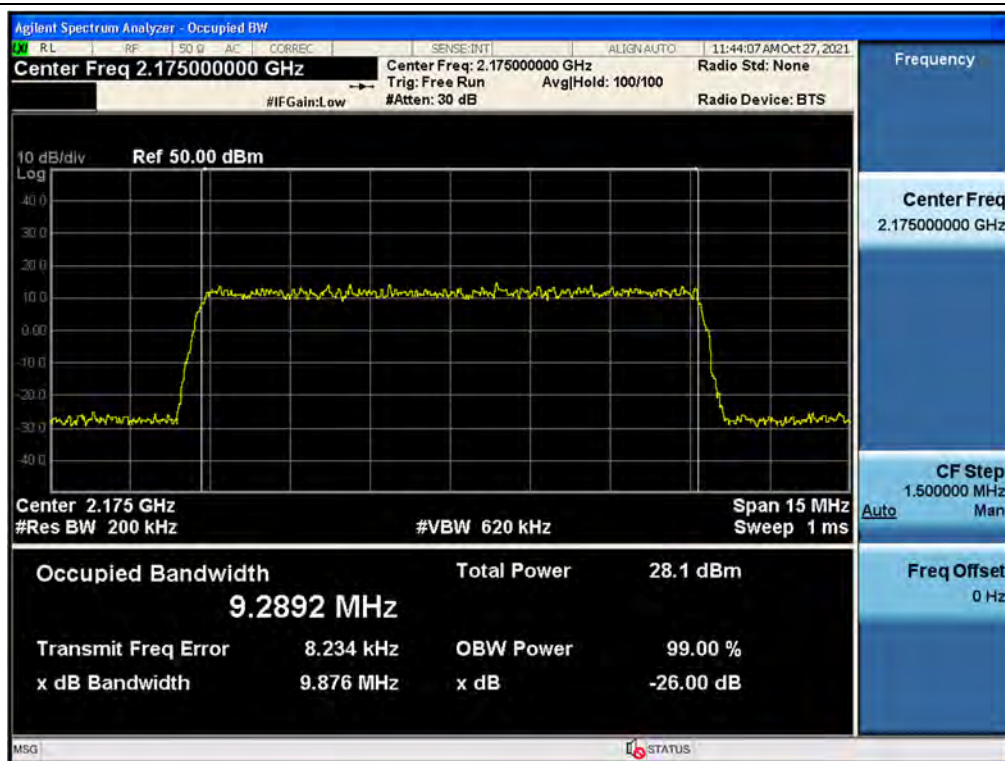
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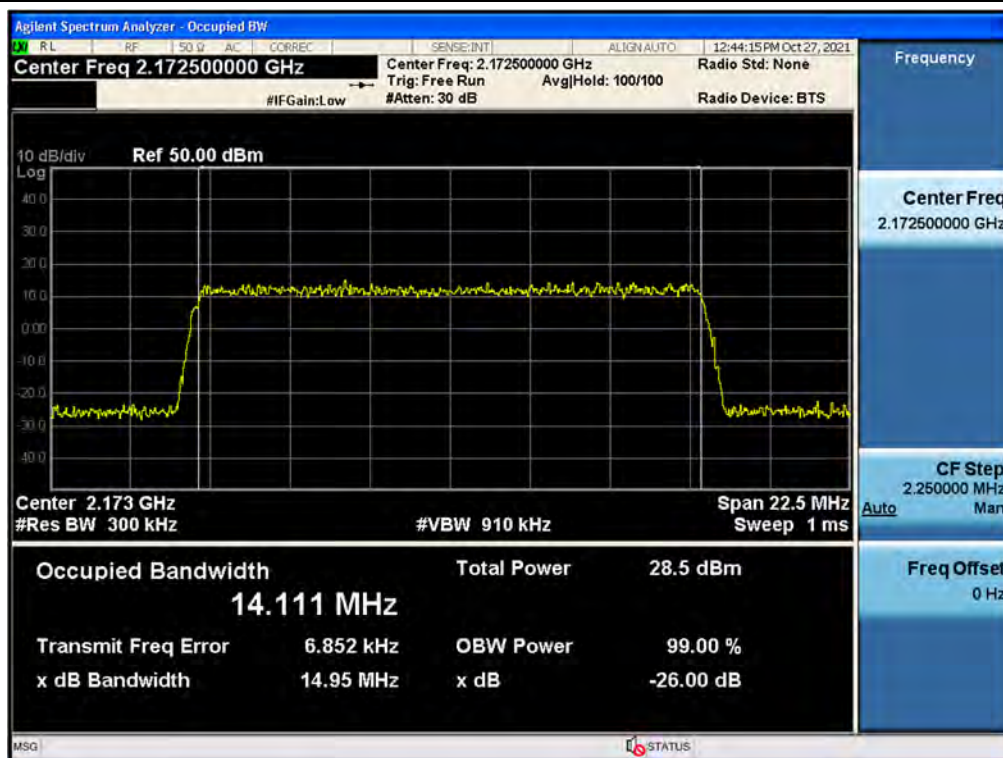
Antenna 0 / 5G NR n66 5 MHz 1 Carrier / 16QAM / High



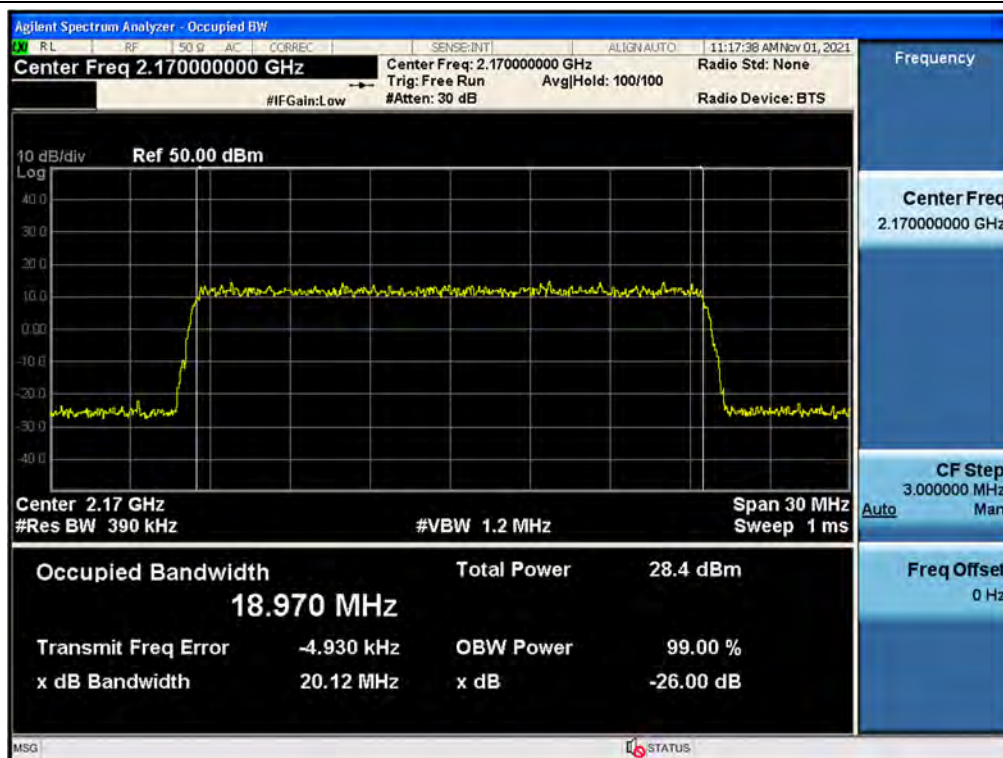
Antenna 1 / 5G NR n66 10 MHz 1 Carrier / 256QAM / High



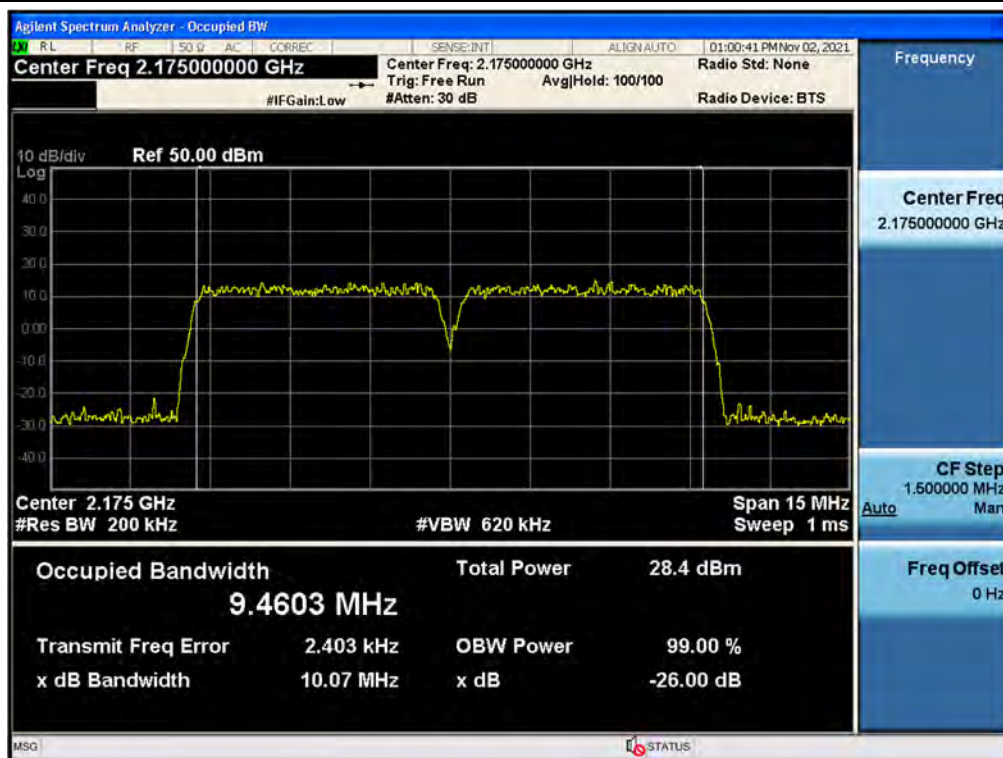
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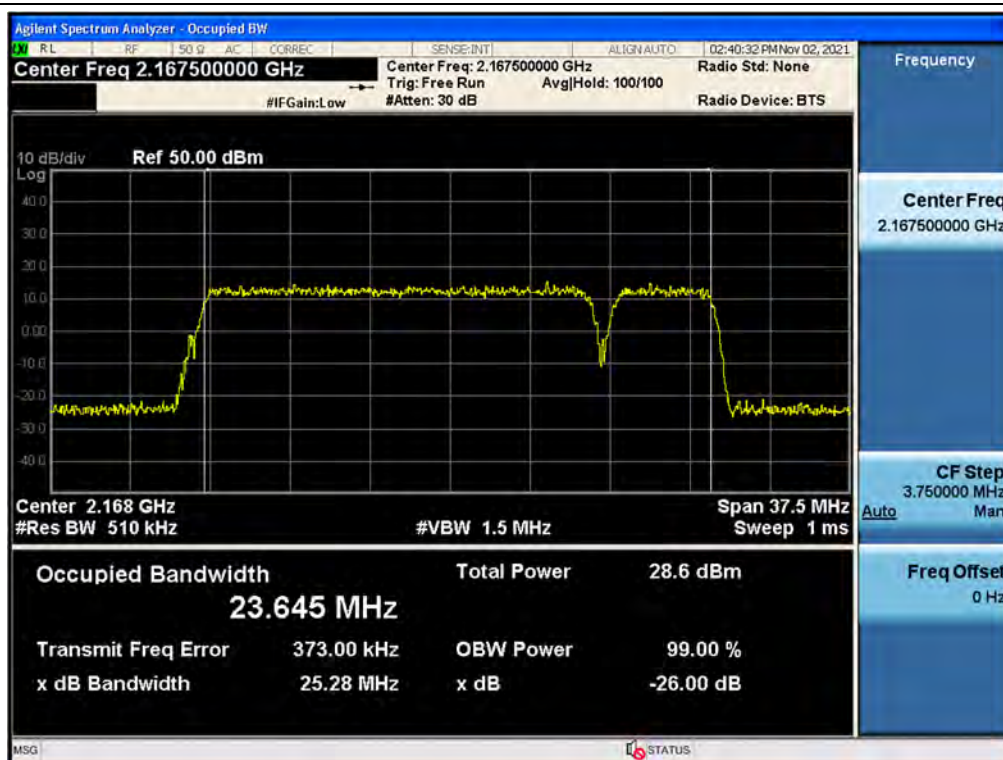
Antenna 1 / 5G NR n66 20 MHz 1 Carrier / 64QAM / High



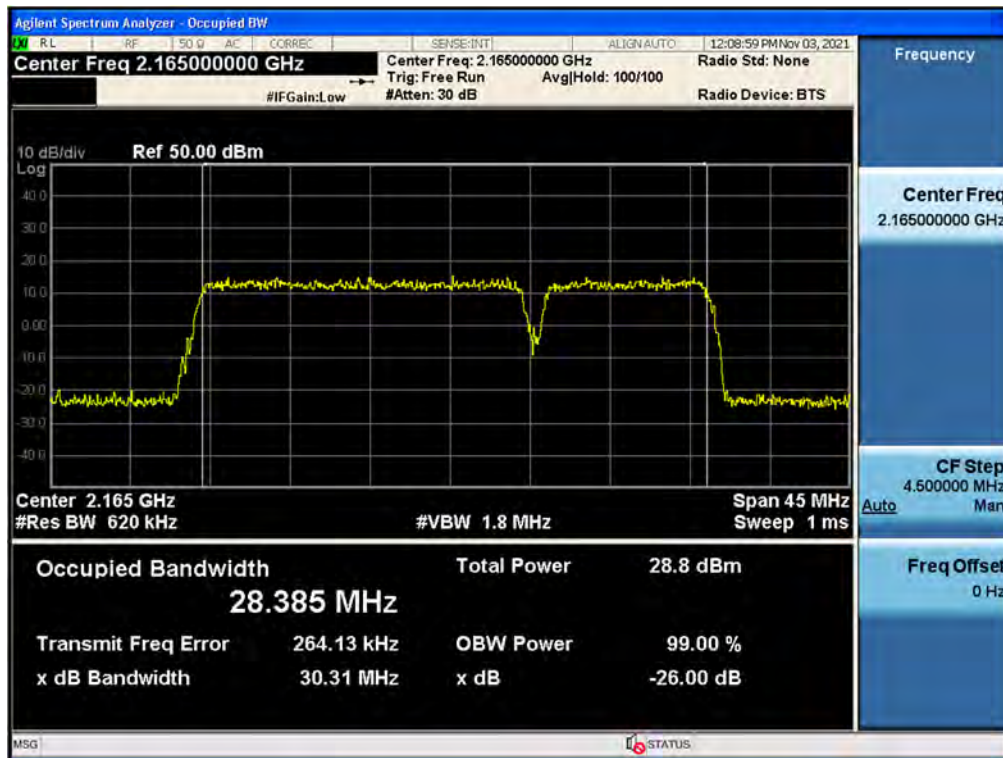
Antenna 1 / B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier] / Contiguous / 64QAM / High



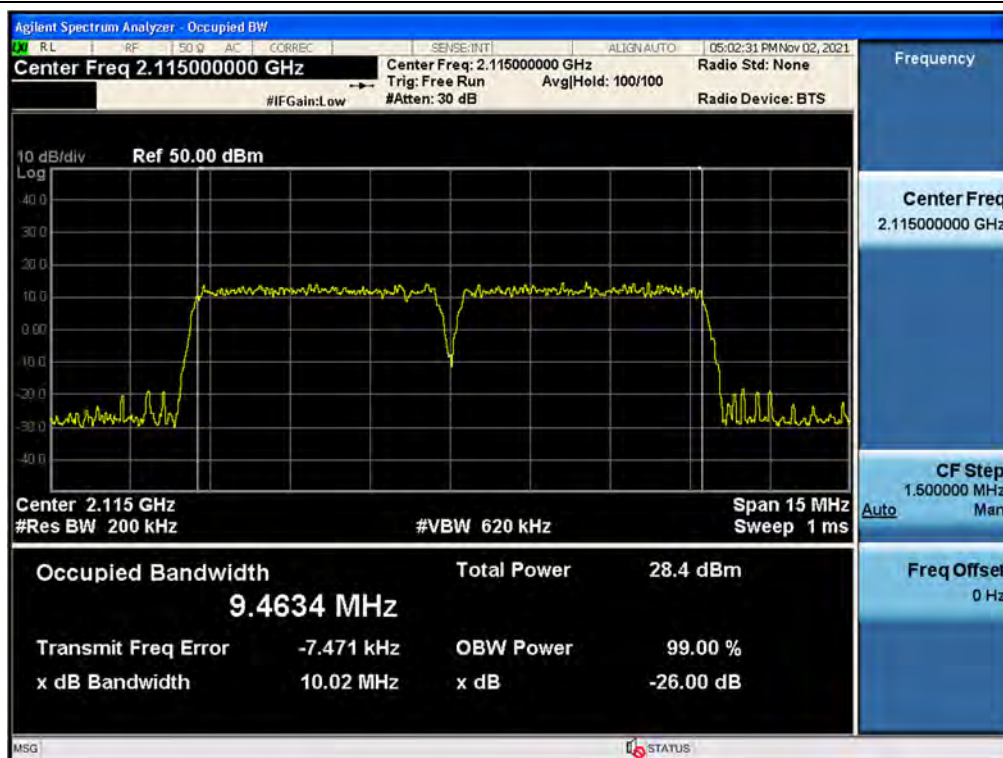
Antenna 1 / B66 LTE 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier] / Contiguous / QPSK / High



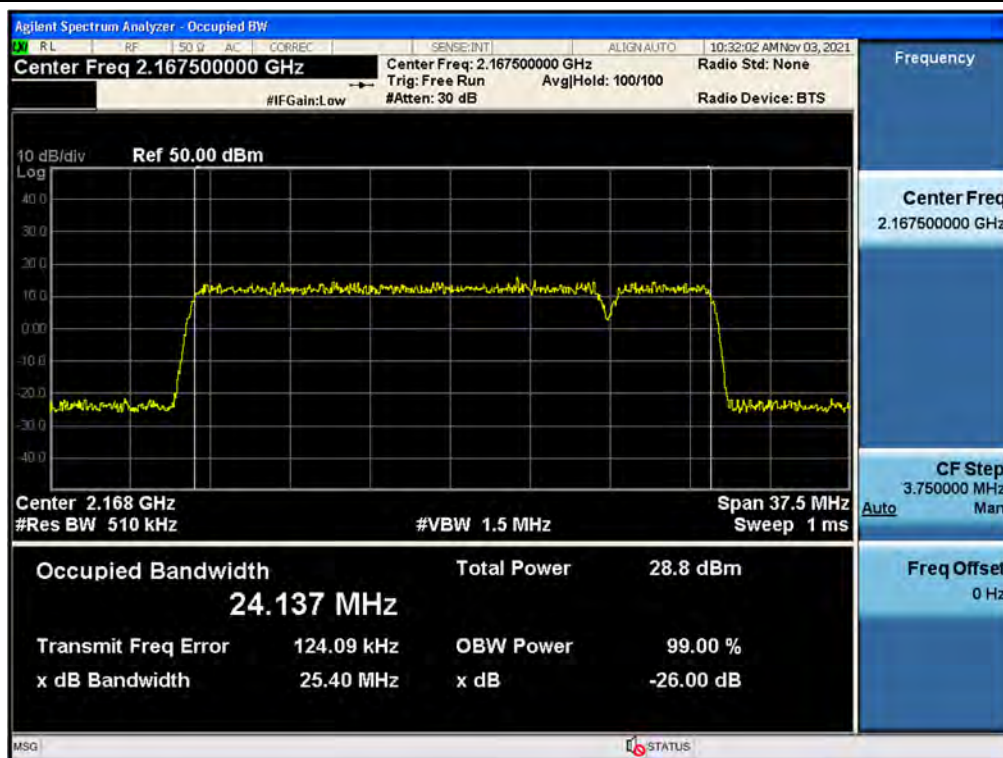
Antenna 1 / B66 LTE 20 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier [2 Carrier] / Contiguous / QPSK / High



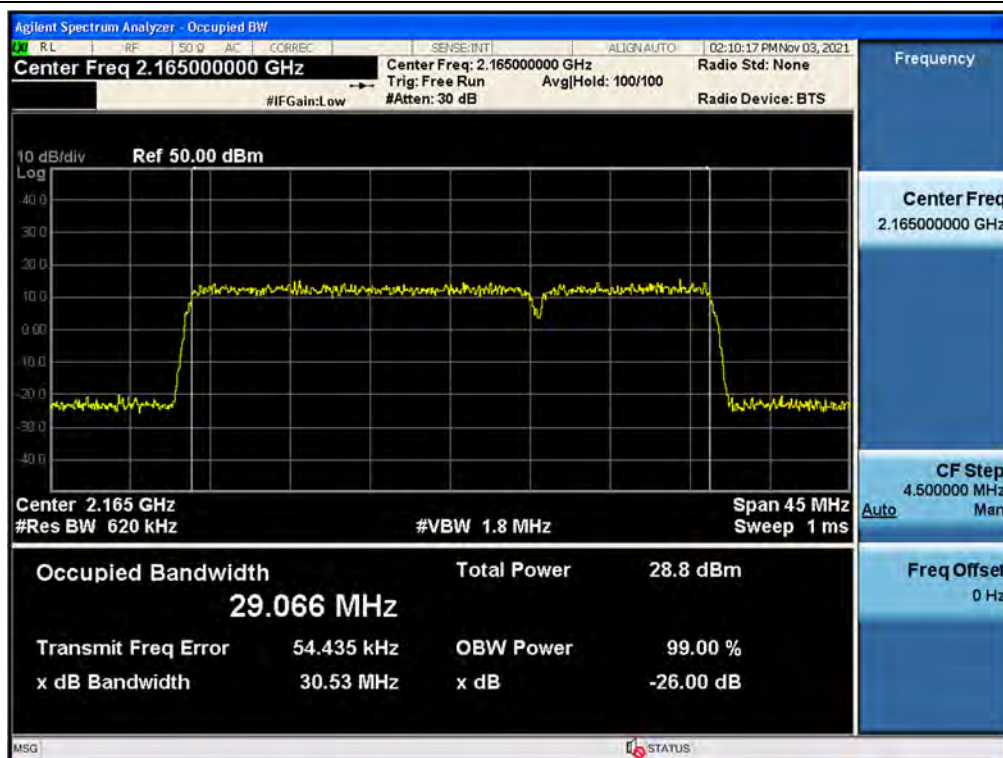
Antenna 1 / 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [2 Carrier] / Contiguous / 256QAM / Low



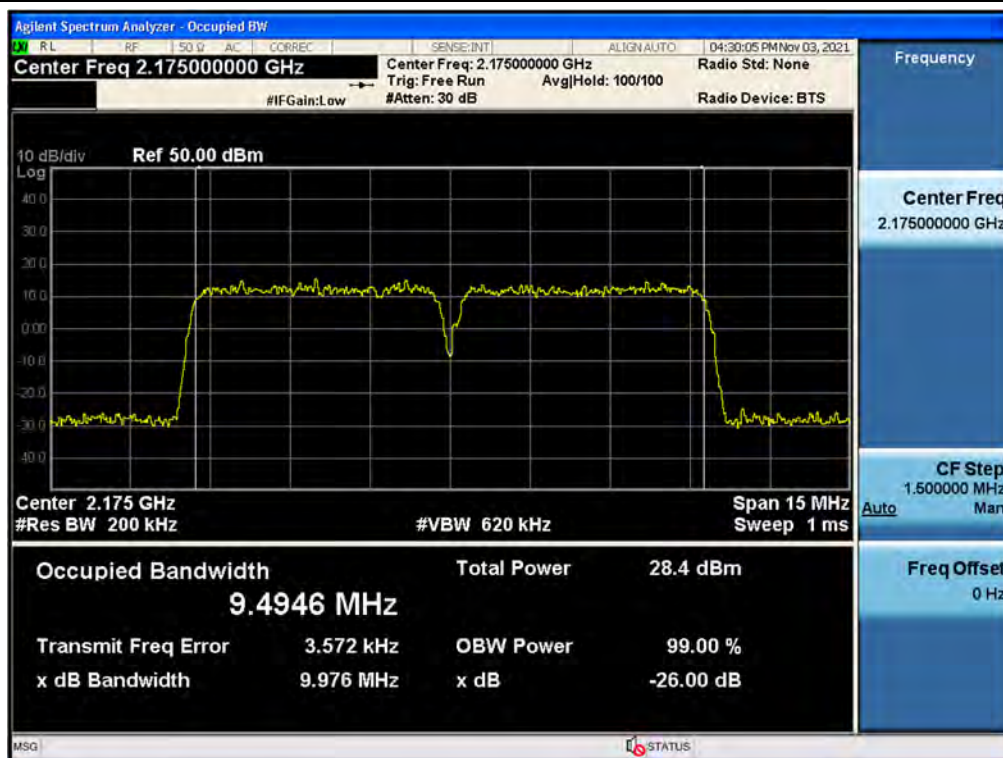
Antenna 1 / 5G NR n66 20 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [2 Carrier] / Contiguous / 256QAM / High



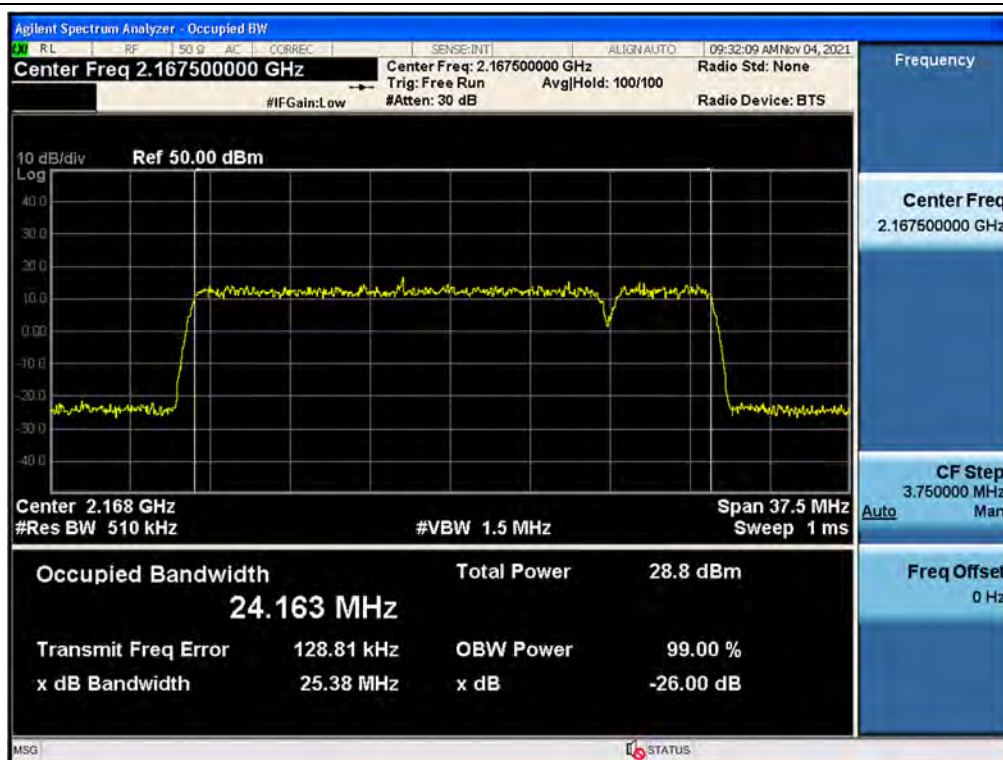
Antenna 1 / 5G NR n66 20 MHz 1 Carrier + 5G NR n66 10 MHz 1 Carrier [2 Carrier] / Contiguous / QPSK / High



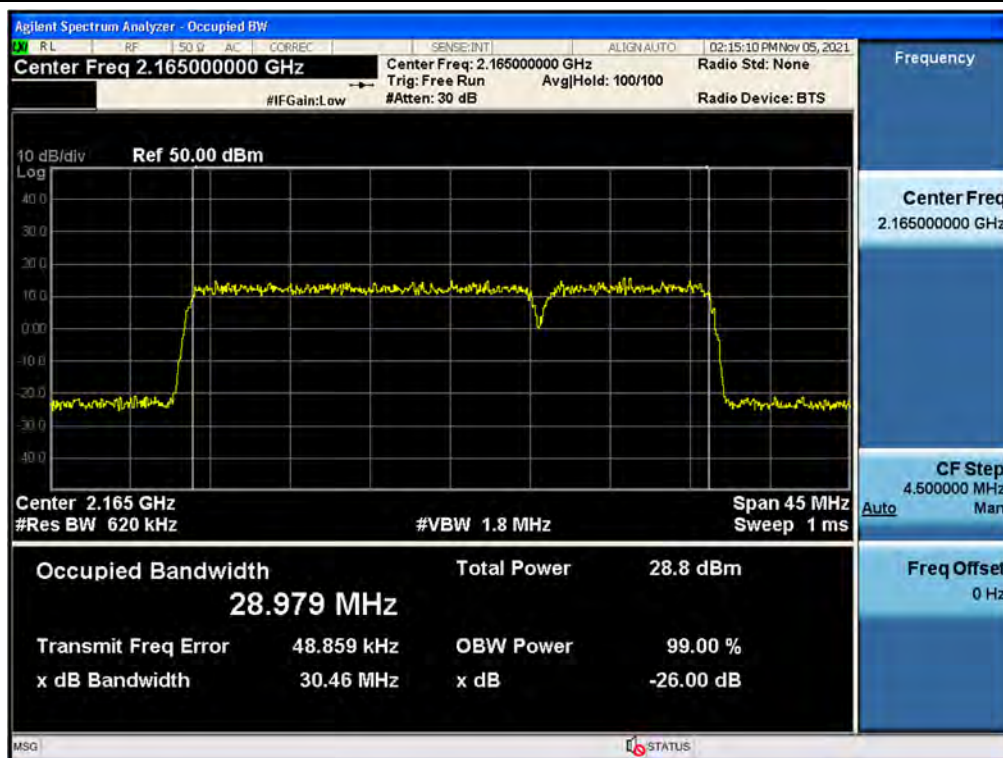
Antenna 1 / 5G NR n66 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier] / Contiguous / 256QAM / High



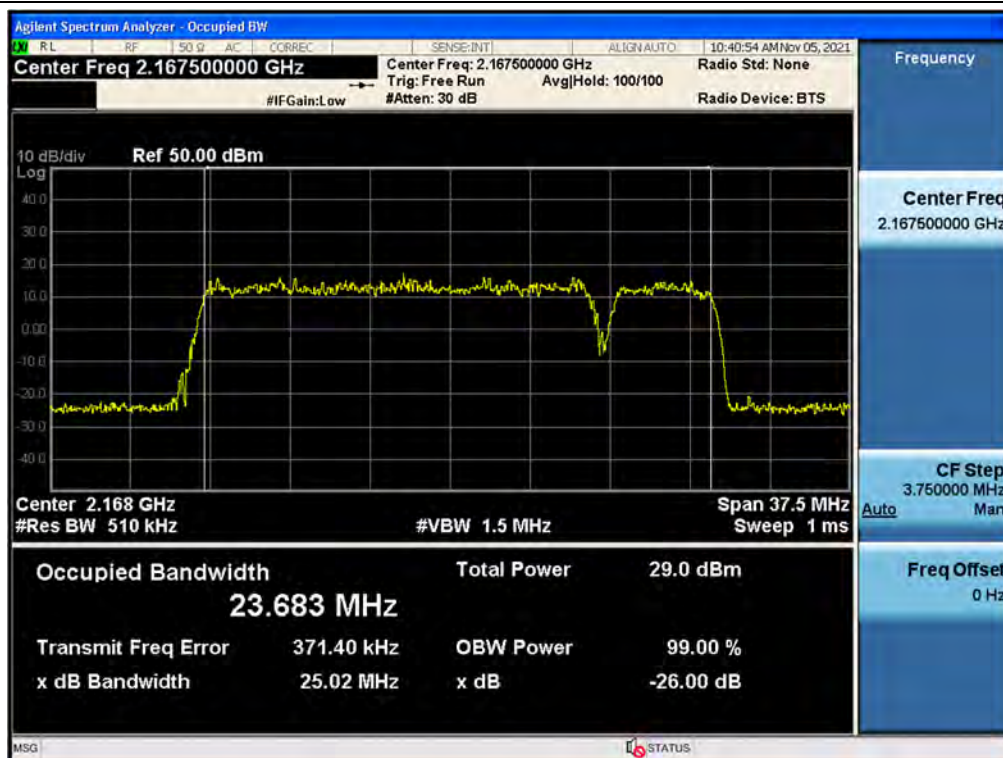
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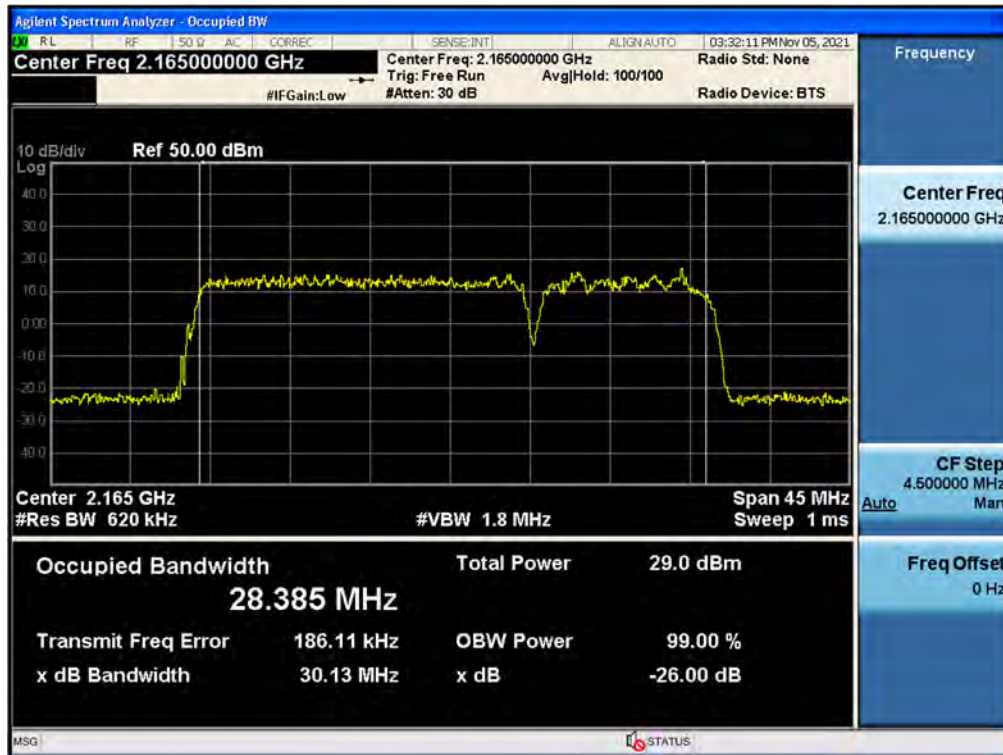
Antenna 1 / 5G NR n66 20 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier [2 Carrier] / Contiguous / 256QAM / High



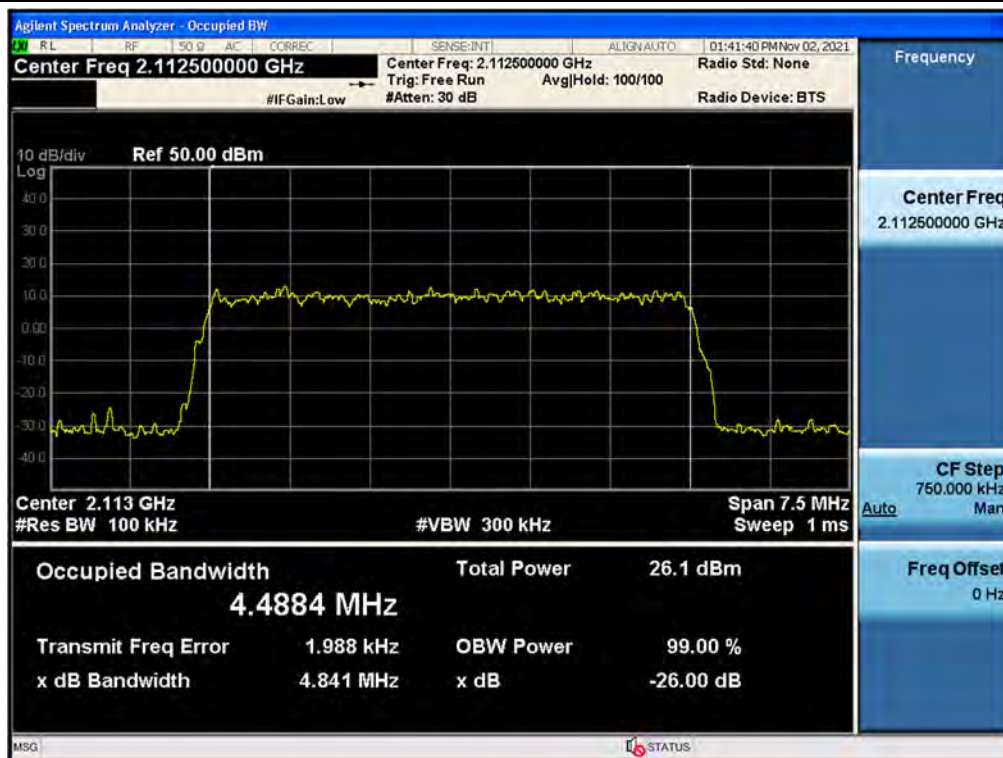
Antenna 1 / B66 LTE 20 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [2 Carrier] / Contiguous / 16QAM / High



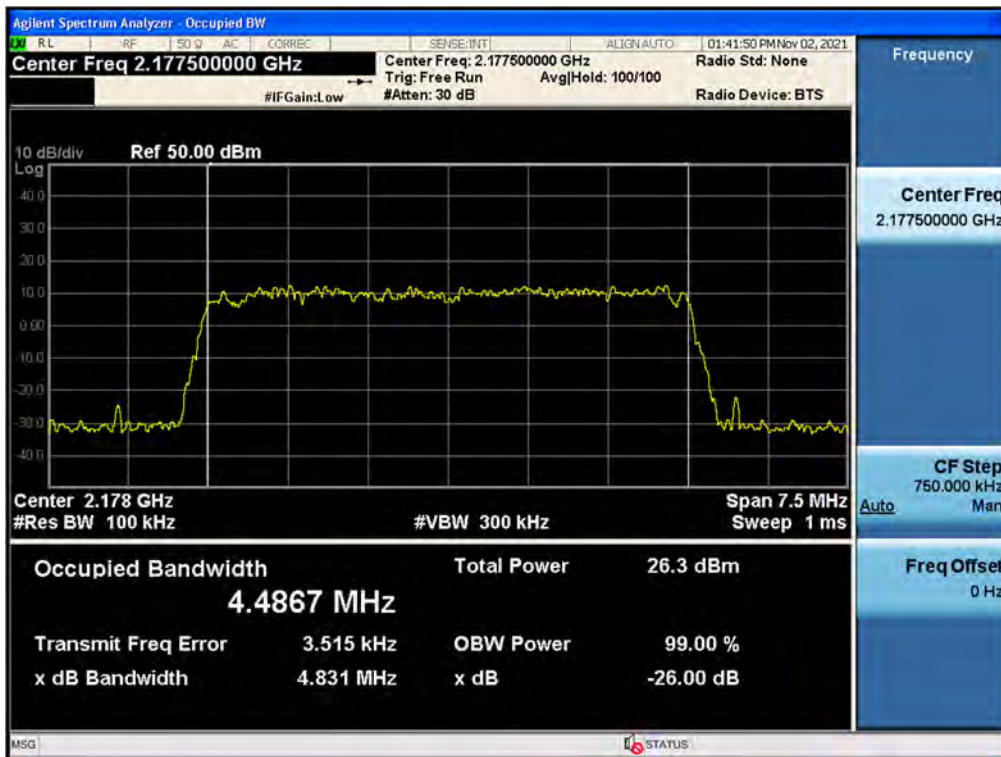
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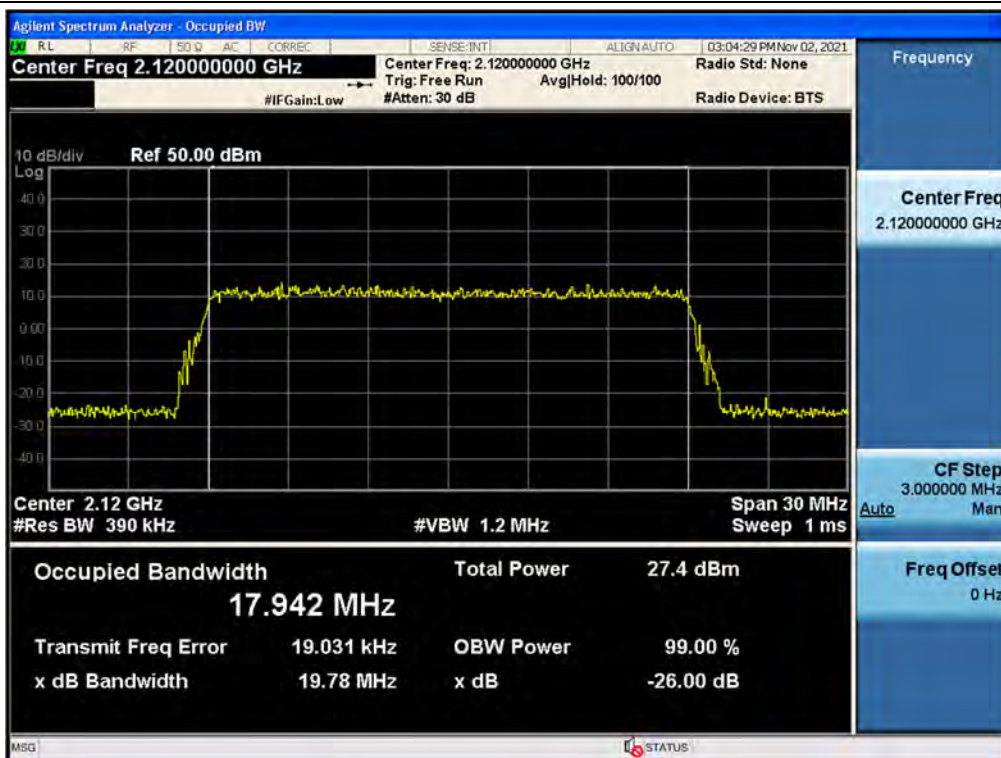
Antenna 1 / B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B66 LTE 5 MHz / 16QAM / Low



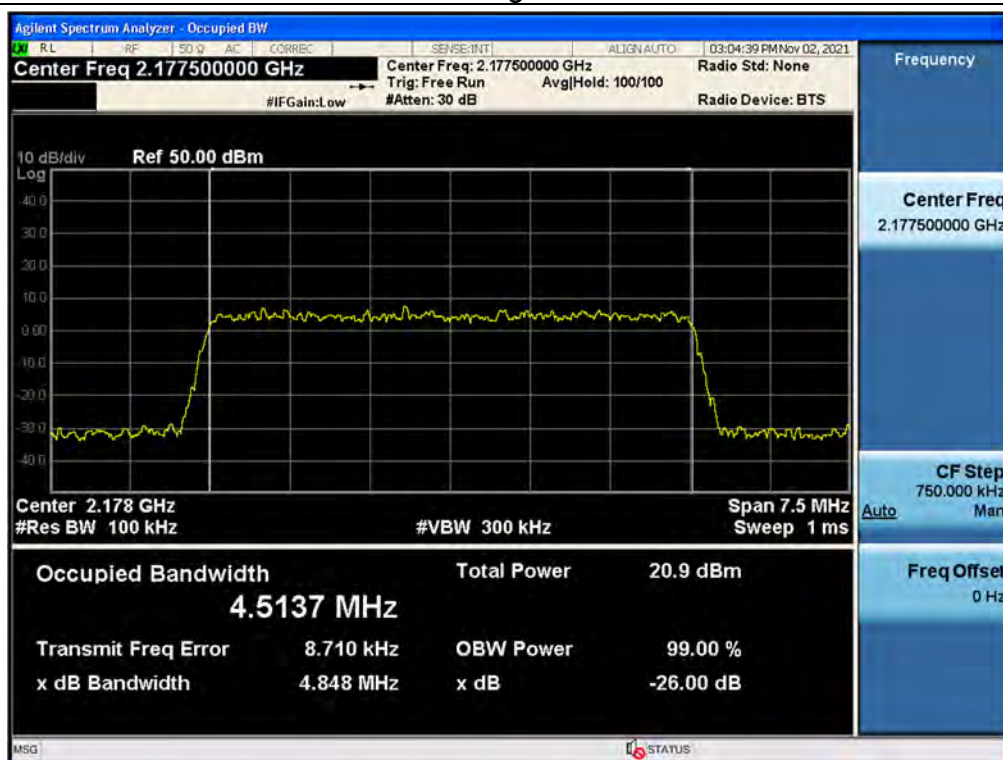
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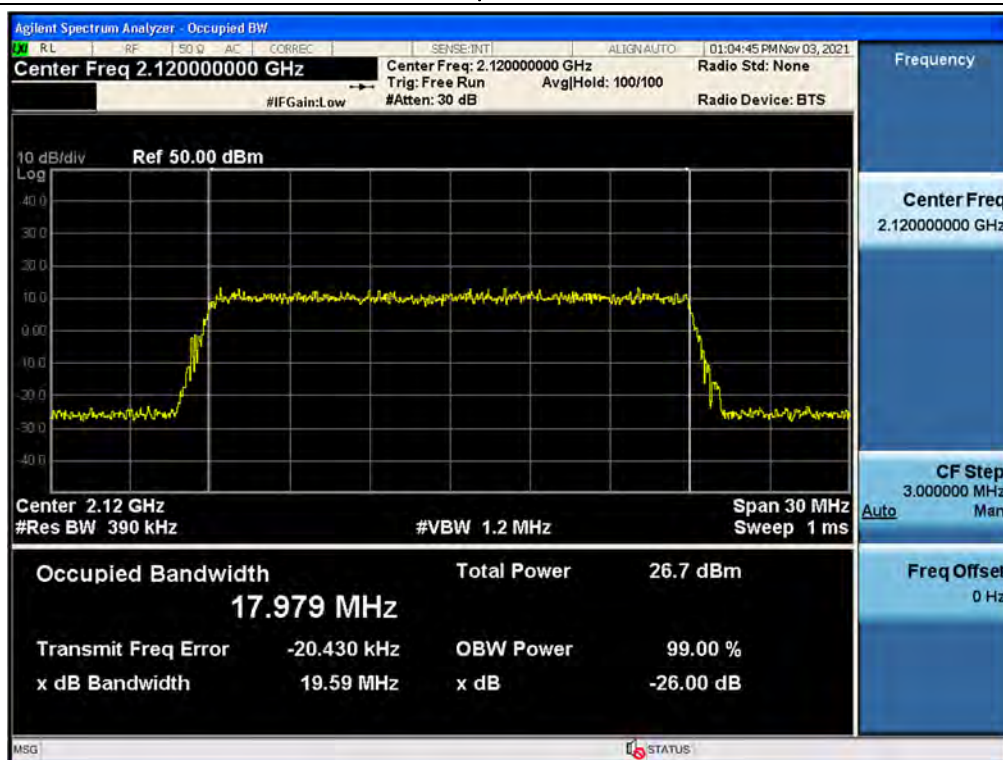
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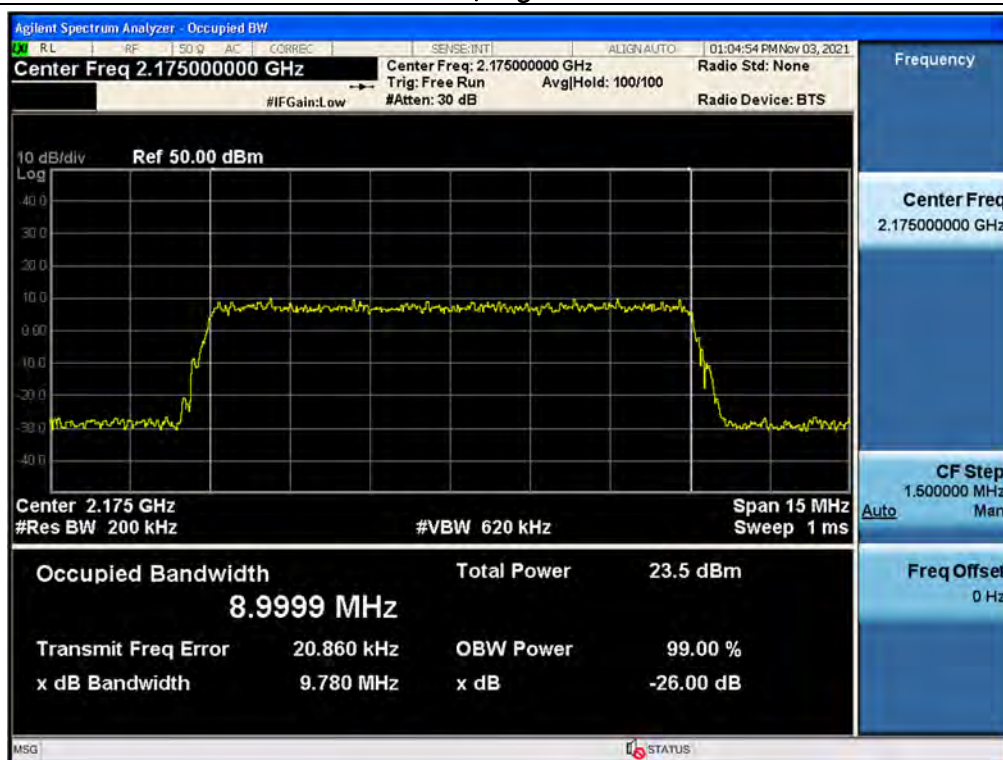
Antenna 1 / B66 LTE 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B66 LTE 5 MHz / QPSK / High



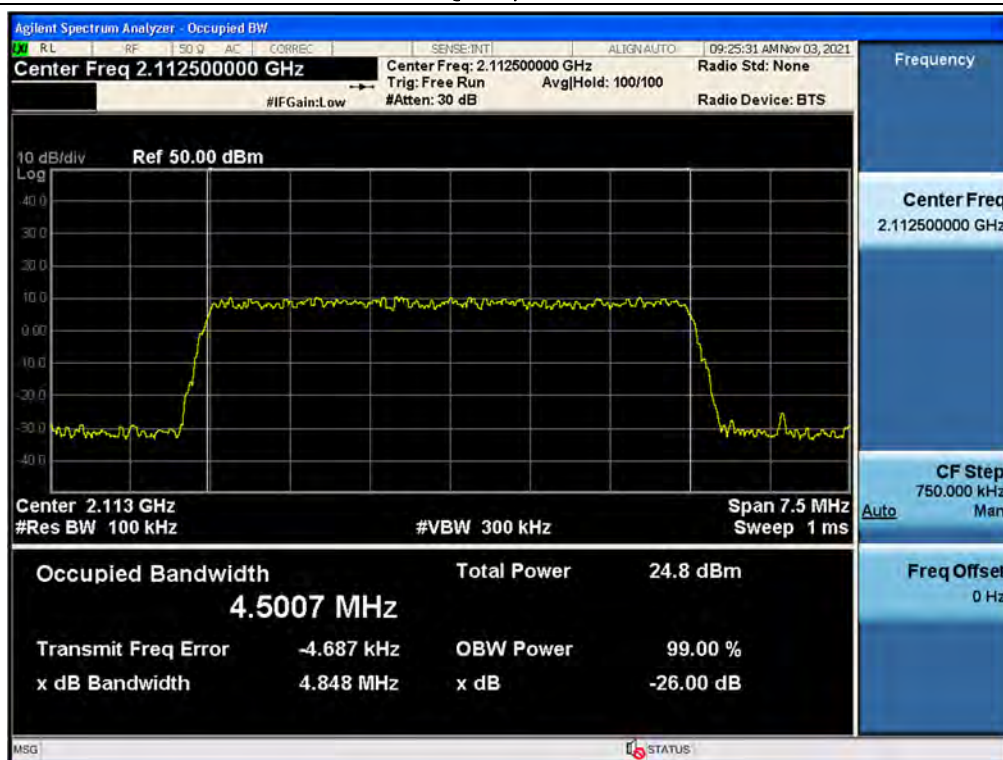
Antenna 1 / B66 LTE 20 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B66 LTE 20 MHz / QPSK / Low



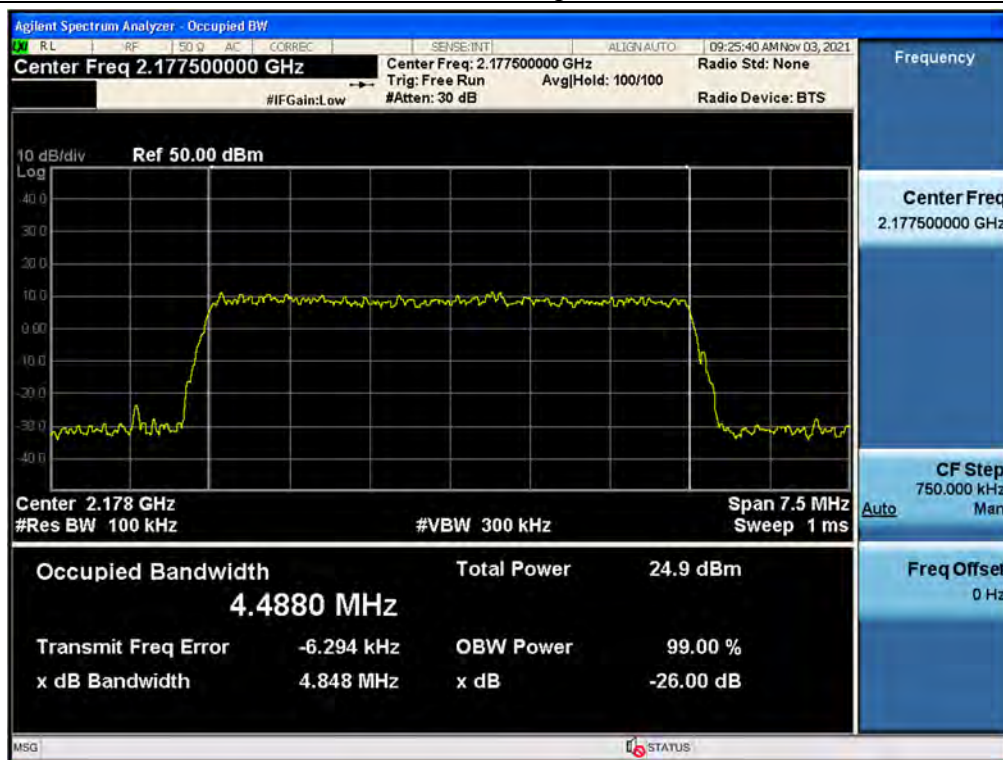
Antenna 1 / B66 LTE 20 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B66 LTE 10 MHz / QPSK / High



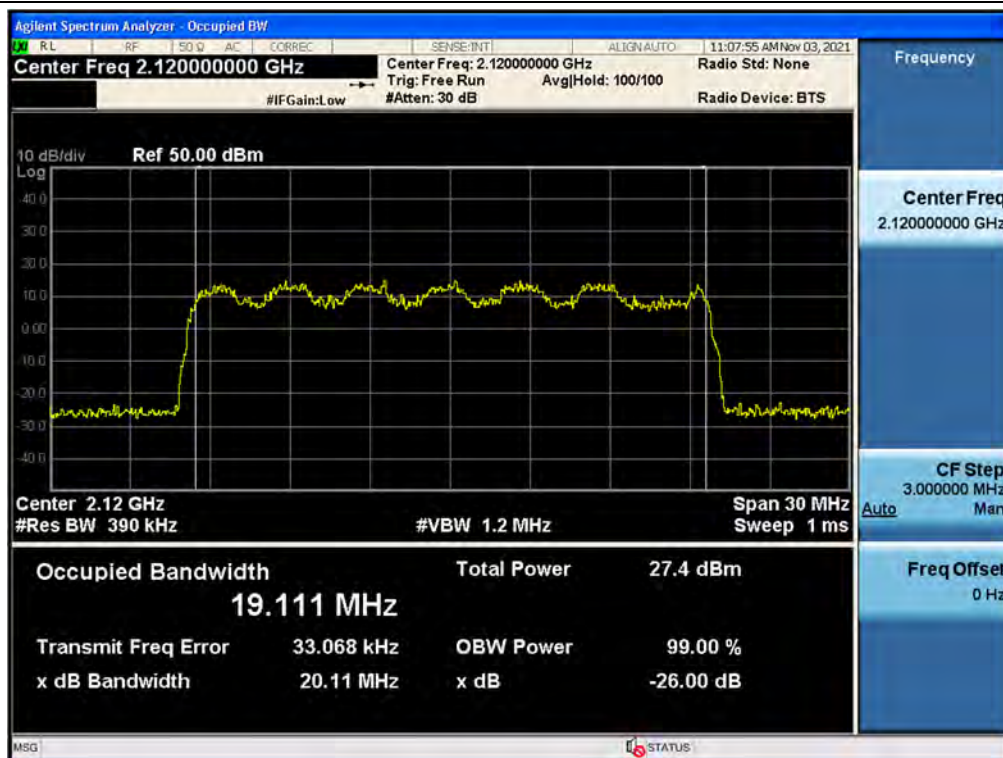
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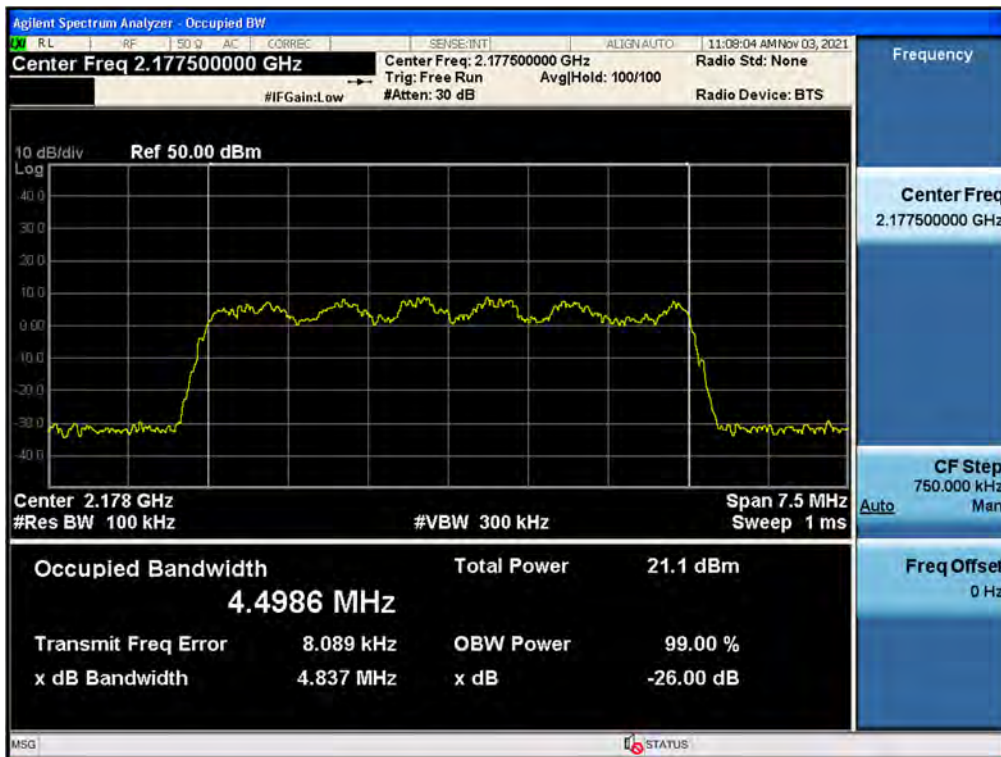
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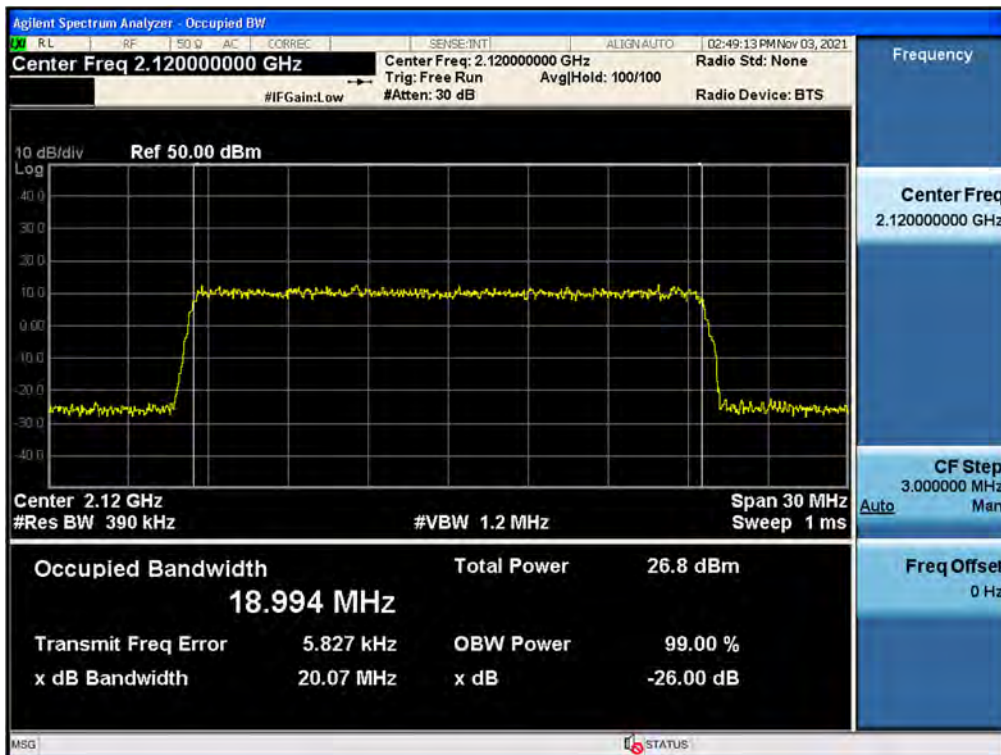
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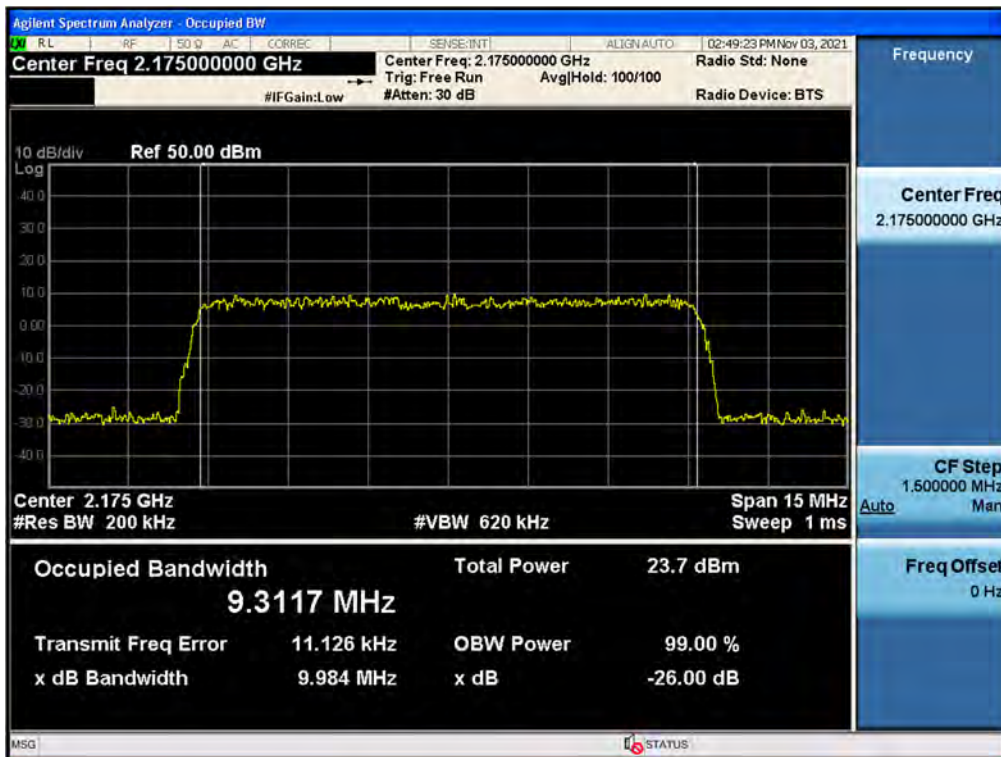
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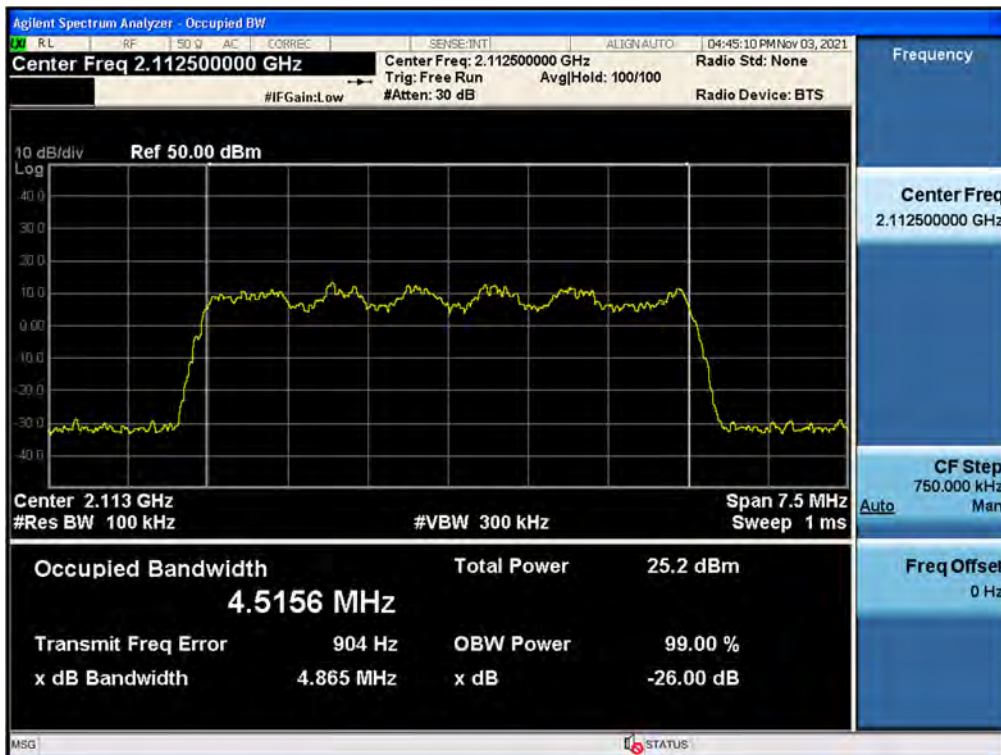
Antenna 1 / 5G NR n66 20 MHz 1 Carrier + 5G NR n66 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n66 20 MHz / 256QAM / Low



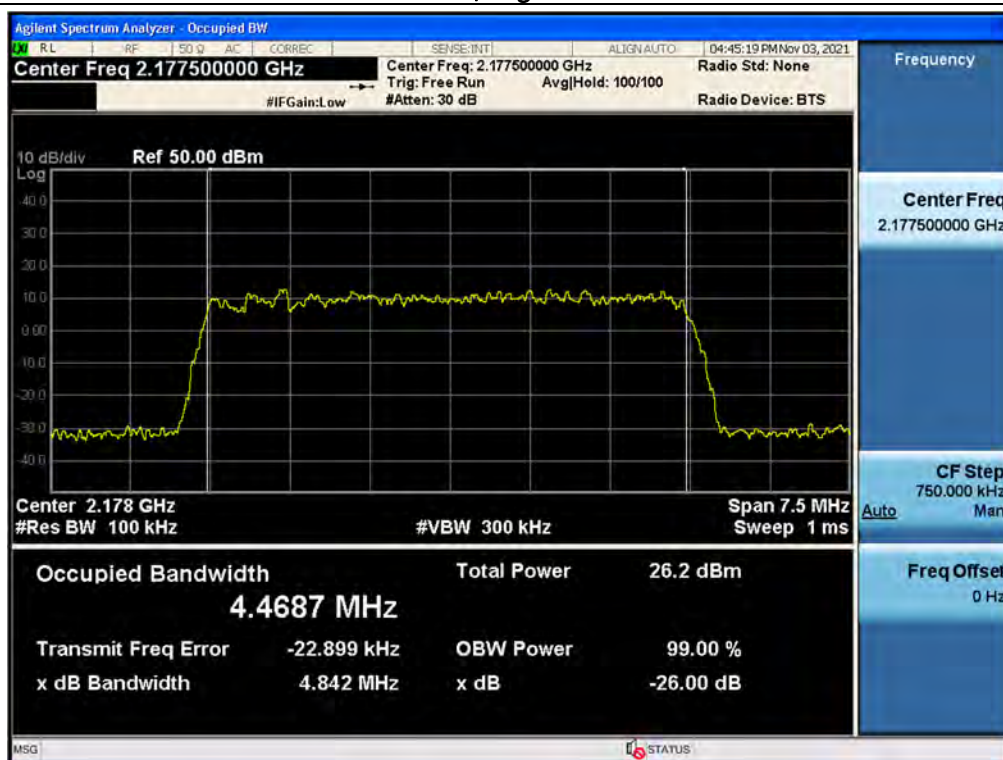
Antenna 1 / 5G NR n66 20 MHz 1 Carrier + 5G NR n66 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n66 10 MHz / 256QAM / High



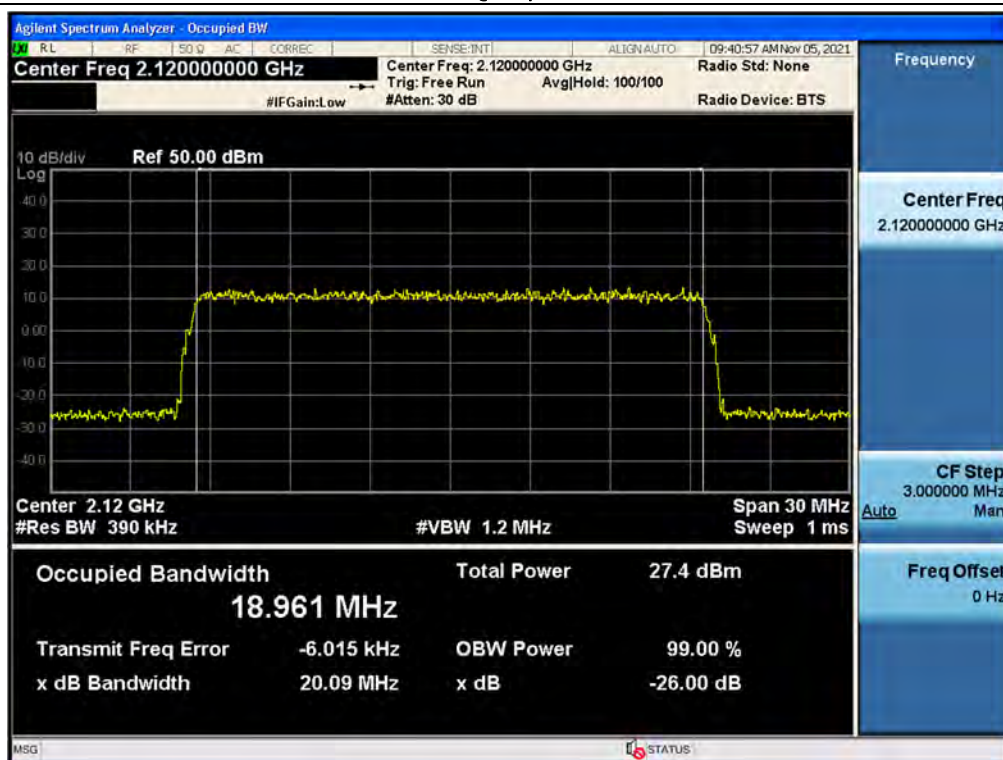
Antenna 1 / 5G NR n66 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n66 5 MHz / 16QAM / Low



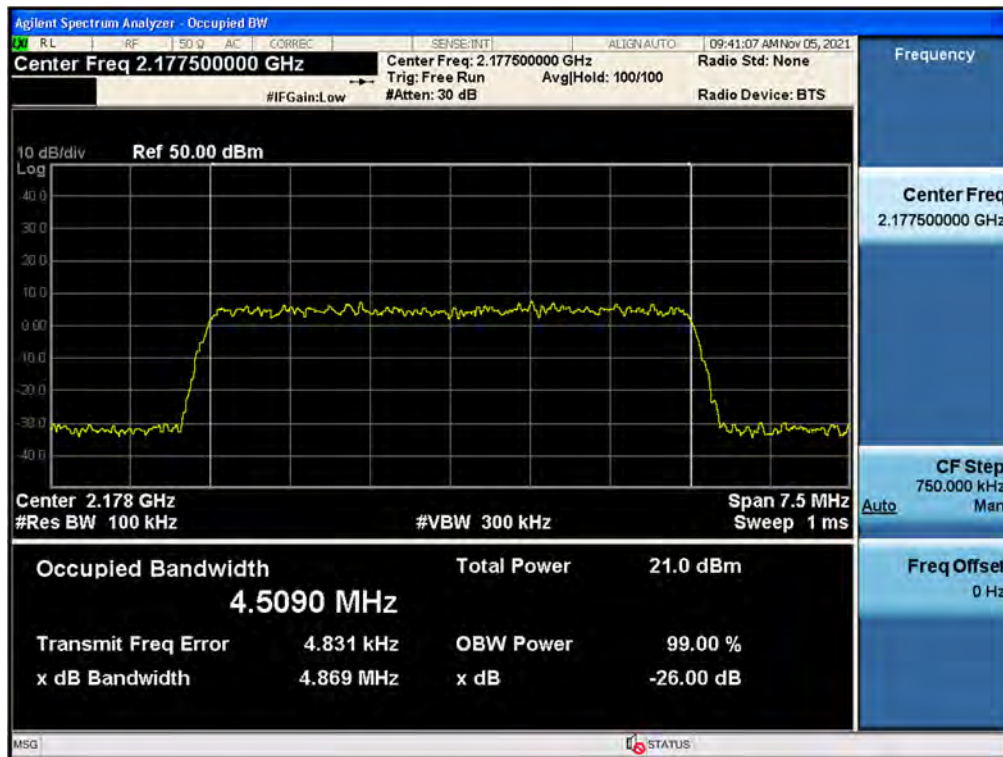
Antenna 1 / 5G NR n66 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B66 LTE 5 MHz / 16QAM / High



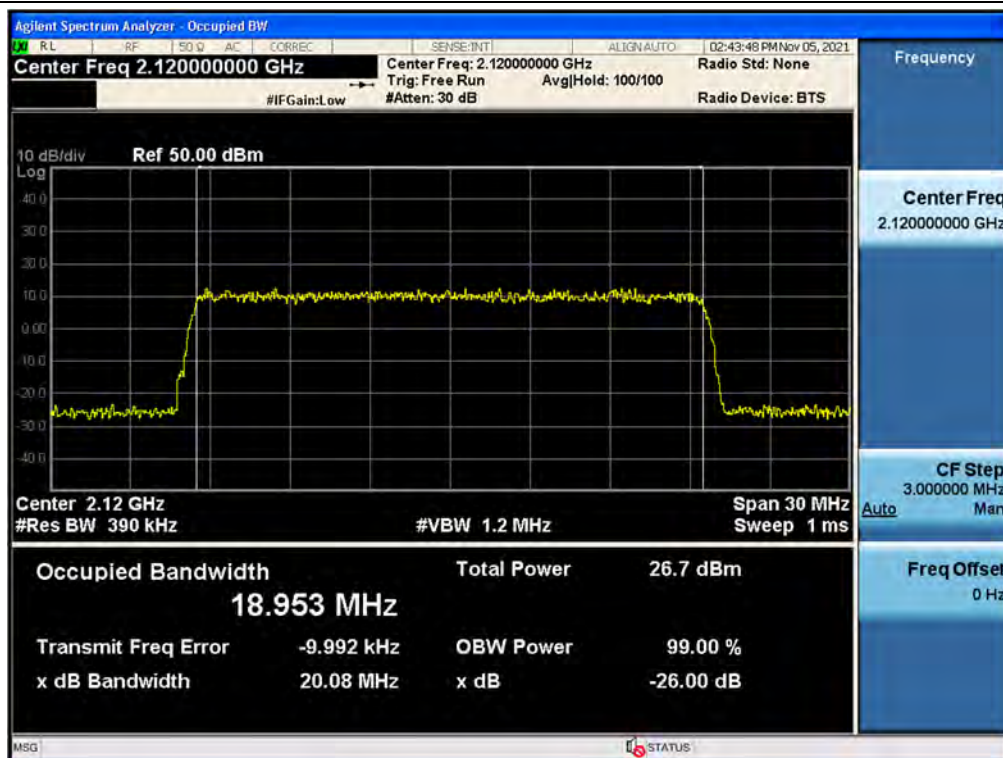
Antenna 1 / 5G NR n66 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n66 20 MHz / 256QAM / Low



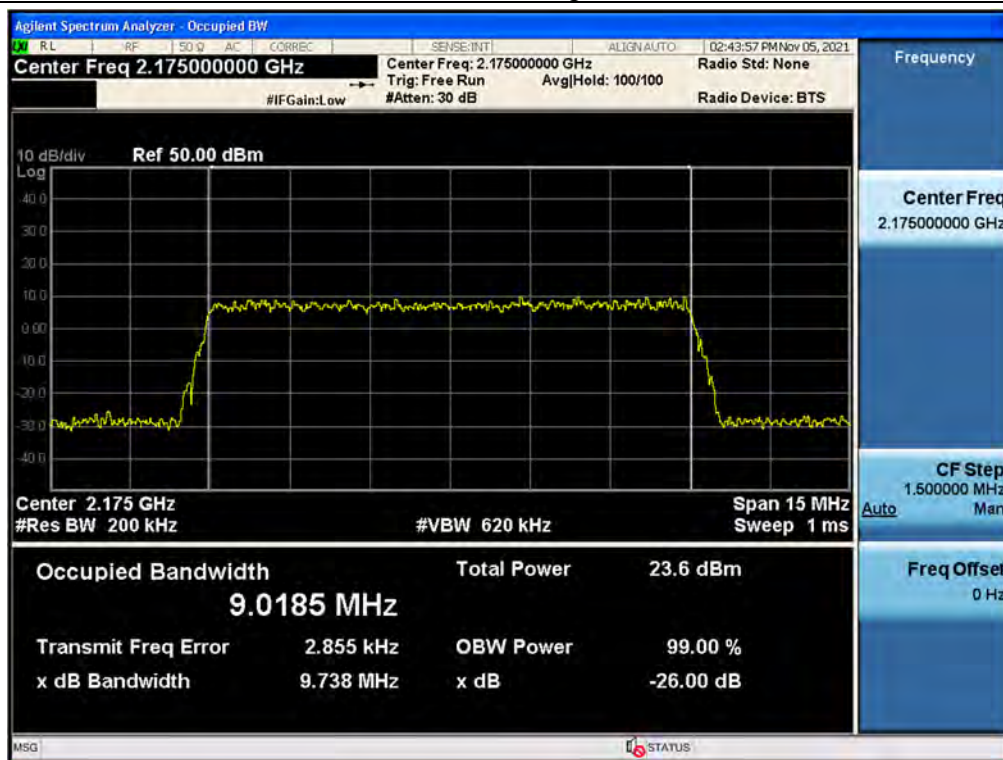
Antenna 1 / 5G NR n66 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B66 LTE 5 MHz / 256QAM / High



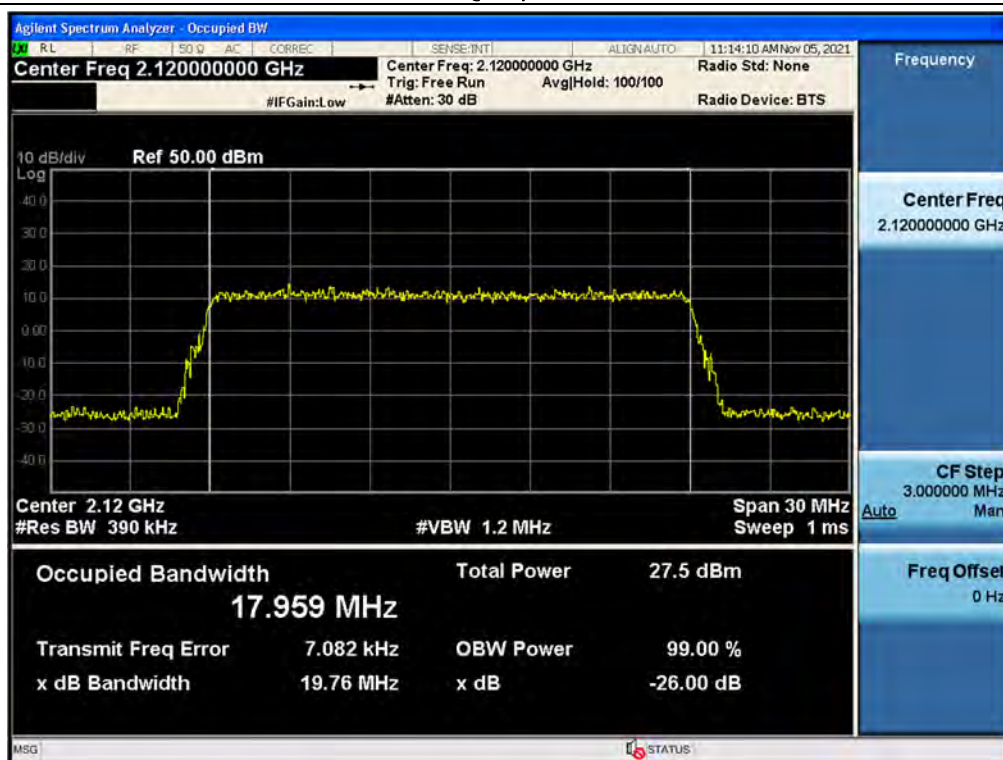
Antenna 1 / 5G NR n66 20 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n66 20 MHz / 256QAM / Low



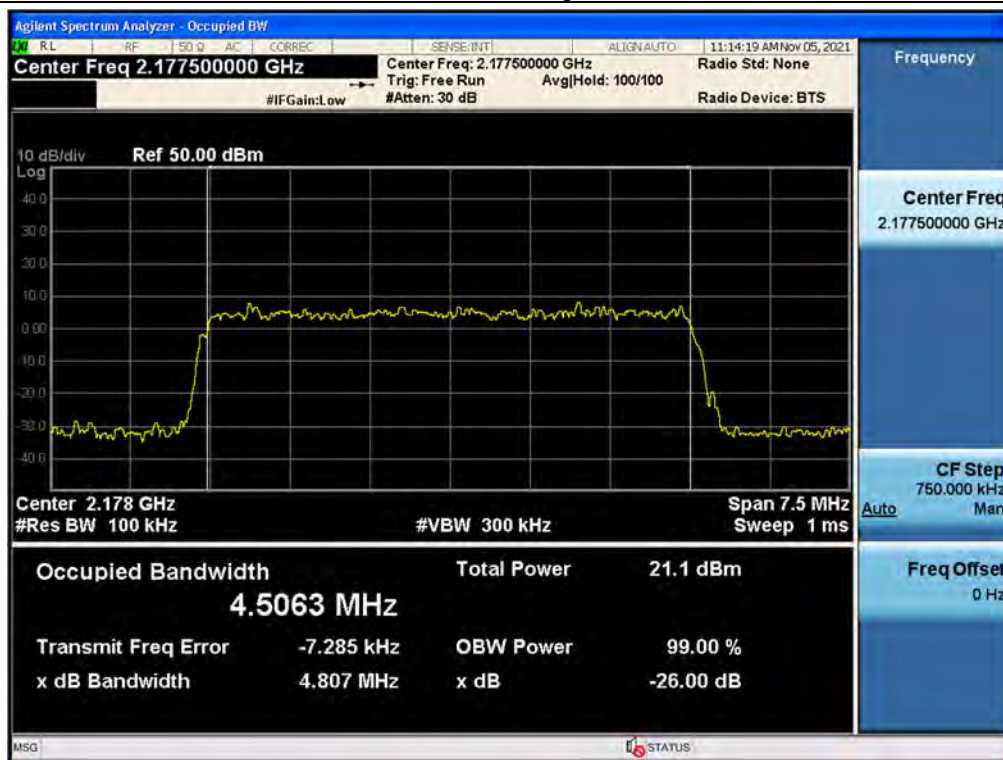
Antenna 1 / 5G NR n66 20 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B66 LTE 10 MHz / 256QAM / High



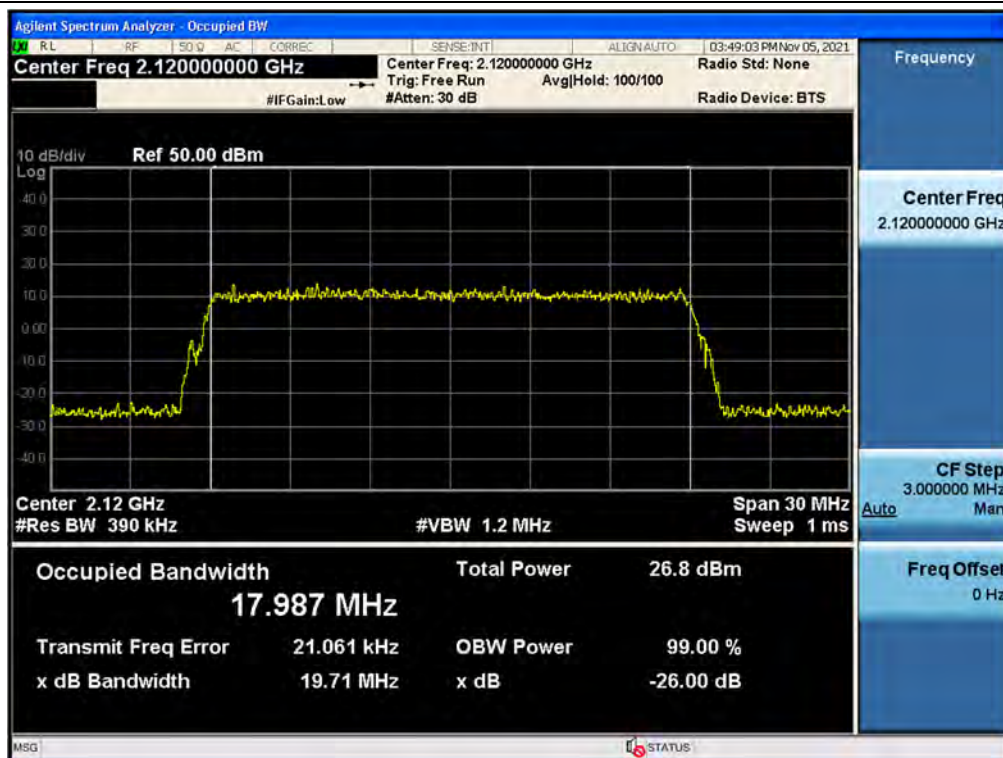
Antenna 1 / B66 LTE 20 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B66 LTE 20 MHz / 64QAM / Low



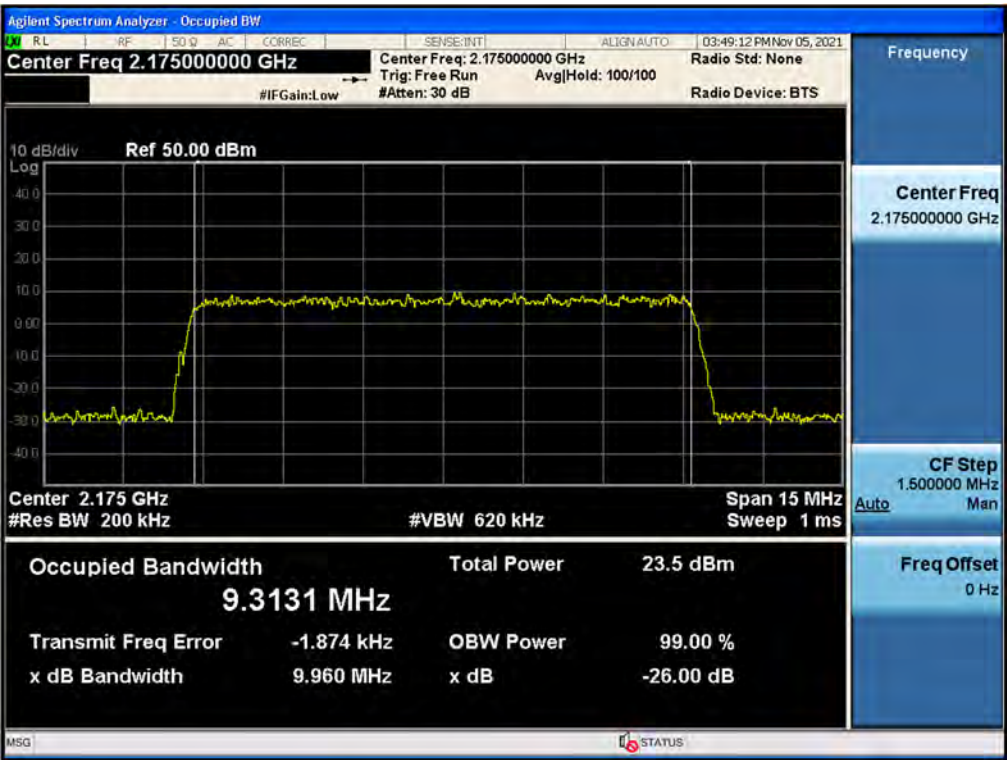
Antenna 1 / B66 LTE 20 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n66 5 MHz / 64QAM / High



Antenna 1 / B66 LTE 20 MHz 1 Carrier + 5G NR n66 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B66 LTE 20 MHz / QPSK / Low



Antenna 1 / B66 LTE 20 MHz 1 Carrier + 5G NR n66 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n66 10 MHz / QPSK / High



5.4. OUT-OF-BAND UNWANTED EMISSIONS

Test Requirements:

§ 2.1051 Measurements required: Spurious emissions at antenna terminals.

The radio frequency voltage or powers generated within the equipment and appearing on a spurious frequency shall be checked at the equipment output terminals when properly loaded with a suitable artificial antenna. Curves or equivalent data shall show the magnitude of each harmonic and other spurious emission that can be detected when the equipment is operated under the conditions specified in § 2.1049 as appropriate. The magnitude of spurious emissions which are attenuated more than 20 dB below the permissible value need not be specified.

§ 27.53 Emission limits.

- (c) For operations in the 746-758 MHz band and the 776-788 MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:
- (1) On any frequency outside the 746-758 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log (P)$ dB;
 - (2) On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log (P)$ dB;
 - (3) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $76 + 10 \log (P)$ dB in a 6.25 kHz band segment, for base and fixed stations;
 - (4) Omitted
 - (5) Compliance with the provisions of paragraphs (c)(1) and (c)(2) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed;
 - (6) Compliance with the provisions of paragraphs (c)(3) and (c)(4) of this section is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.
- (f) For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.
- (h) AWS emission limits
- (1) General protection levels. Except as otherwise specified below, for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10} (P)$ dB.
 - (3) Measurement procedure.
 - (i) Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's

frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

- (ii) When measuring the emission limits, the nominal carrier frequency shall be adjusted as close to the licensee's frequency block edges, both upper and lower, as the design permits.
- (iii) The measurements of emission power can be expressed in peak or average values, provided they are expressed in the same parameters as the transmitter power.

Test Procedures:

The measurement is performed in accordance with Section 5.7.3 of ANSI C63.26.

5.7.3 Out-of-band unwanted emissions measurements

- a) Set the spectrum analyzer center frequency to the block, band, or channel edge frequency.
- b) Set the span wide enough to capture the fundamental emission closest to the authorized block or band edge, and to include all modulation products that spill into the immediately adjacent frequency band. In some cases, it may be possible to set the center frequency and span so as to encompass the fundamental emission and the unwanted out-of-band (band-edge) emissions on either side of the authorized block, band, or channel. This can be accomplished with a single (slow) sweep, if adequate overload protection and sufficient dynamic range can be maintained.
- c) Set the number of points in sweep $\geq 2 \times \text{span} / \text{RBW}$.
- d) Sweep time should be auto for peak detection. For rms detection the sweep time should be set as follows:
 - 1) If the device can be configured to transmit continuously (duty cycle $\geq 98\%$), set the (sweep time) $> (\text{number of points in sweep}) \times (\text{symbol period})$ (e.g., by a factor of $10 \times \text{symbol period} \times \text{number of points}$). Increasing the sweep time (i.e., slowing the sweep speed) will allow for averaging over multiple symbols
 - 2) If the device cannot be configured to transmit continuously (duty cycle $< 98\%$) and a freerunning sweep must be used, set the sweep time so that the averaging is performed over multiple on/off cycles by setting the sweep time $> (\text{number of points in sweep}) \times (\text{transmitter period})$ (i.e., the transmit on-time + the off-time). The spectrum analyzer readings shall subsequently be corrected by $[10 \log (1/\text{duty cycle})]$. This assumes that the transmission period and duty cycle is relatively constant (duty cycle variation $\leq \pm 2\%$).
 - 3) If the device cannot be configured to transmit continuously (duty cycle $< 98\%$) and a freerunning sweep must be used, set the sweep time so that the averaging is performed over multiple on/off cycles by setting the sweep time $> (\text{number of points in sweep}) \times (\text{transmitter period})$ (i.e., the transmit on-time + the off-time). The spectrum analyzer readings shall subsequently be corrected by $[10 \log (1/\text{duty cycle})]$. This assumes that the transmission period and duty cycle is relatively constant (duty cycle variation $\leq \pm 2\%$).
 - 4) If the device cannot be configured to transmit continuously and a free-running sweep must be used, and if the transmissions exhibit a non-constant duty cycle (duty cycle variations $> \pm 2\%$), set the sweep time so that the averaging is performed over the on-period by setting the sweep time $> (\text{symbol period}) \times (\text{number of points})$, while also maintaining the sweep time $< (\text{transmitter on-time})$. The trace mode shall be set to max hold, since not every display point will be averaged only over just the on-time. Thus, multiple sweeps (e.g., 100) in maximum hold are

necessary to ensure that the maximum power is measured.

- e) The test report shall include the plots of the measuring instrument display and the measured data.
- f) See Annex I for example emission mask plots.

Note:

1. Due to MIMO operations, a correction has been added to the limit according to KDB 662911 D01 v02r01.
 - 2Tx MIMO correction: $10 \log(N_{\text{ANT}}) = 10 \log(2) = 3.01 \text{ dB} // -13 \text{ dBm} - 10 \log(2) = -16.01 \text{ dBm}$
2. The results of the Out-of-band Unwanted Emissions test shown above the frequency measured values are very small and similar trend for each port, so we are attached only the worst case plot.

Test Results:
Tabular Data of Out-of-band Unwanted Emissions
B13 LTE 5 MHz 1 Carrier

Ant.	Mod.	Channel	Frequency (MHz)	Measured Value (dBm)
0	QPSK	Low	745.98	-33.78
		High	756.03	-34.33
	16QAM	Low	745.98	-34.59
		High	756.03	-33.70
	64QAM	Low	745.98	-34.29
		High	756.03	-33.77
	256QAM	Low	745.98	-34.67
		High	756.03	-34.10
1	QPSK	Low	745.98	-34.14
		High	756.03	-33.83
	16QAM	Low	745.98	-34.05
		High	756.03	-34.10
	64QAM	Low	745.98	-34.39
		High	756.03	-34.56
	256QAM	Low	745.98	-33.44
		High	756.03	-34.56

B13 LTE 10 MHz 1 Carrier

Ant.	Mod.	Channel	Frequency (MHz)	Measured Value (dBm)
0	QPSK	Low	745.95	-31.42
		High	756.05	-31.61
	16QAM	Low	745.95	-31.41
		High	756.05	-31.60
	64QAM	Low	745.95	-31.79
		High	756.05	-31.43
	256QAM	Low	745.95	-31.43
		High	756.05	-31.30
1	QPSK	Low	745.95	-31.14
		High	756.05	-31.45
	16QAM	Low	745.95	-32.02
		High	756.05	-30.89
	64QAM	Low	745.95	-31.22
		High	756.05	-31.30
	256QAM	Low	745.95	-31.98
		High	756.05	-31.18

5G NR n13 5 MHz 1 Carrier

Ant.	Mod.	Channel	Frequency (MHz)	Measured Value (dBm)
0	QPSK	Low	745.98	-34.25
		High	756.03	-34.26
	16QAM	Low	745.98	-34.50
		High	756.03	-34.56
	64QAM	Low	745.98	-34.54
		High	756.03	-33.97
	256QAM	Low	745.98	-34.23
		High	756.03	-34.06
1	QPSK	Low	745.98	-33.92
		High	756.03	-34.07
	16QAM	Low	745.98	-34.09
		High	756.03	-34.25
	64QAM	Low	745.98	-34.48
		High	756.03	-34.33
	256QAM	Low	745.98	-34.80
		High	756.03	-33.80

5G NR n13 10 MHz 1 Carrier

Ant.	Mod.	Channel	Frequency (MHz)	Measured Value (dBm)
0	QPSK	Low	745.95	-31.84
		High	756.05	-31.10
	16QAM	Low	745.95	-32.15
		High	756.05	-31.54
	64QAM	Low	745.95	-30.88
		High	756.05	-30.92
	256QAM	Low	745.95	-32.05
		High	756.05	-31.44
1	QPSK	Low	745.95	-31.24
		High	756.05	-31.31
	16QAM	Low	745.95	-31.13
		High	756.05	-31.24
	64QAM	Low	745.95	-31.39
		High	756.05	-31.23
	256QAM	Low	745.95	-31.48
		High	756.05	-31.50

B66 LTE 5 MHz 1 Carrier

Ant.	Mod.	Channel	Frequency (MHz)	Measured Value (dBm)
0	QPSK	Low	2109.98	-30.89
		High	2180.03	-31.00
	16QAM	Low	2109.98	-32.46
		High	2180.03	-32.21
	64QAM	Low	2109.98	-30.77
		High	2180.03	-30.82
	256QAM	Low	2109.98	-30.50
		High	2180.03	-31.48
1	QPSK	Low	2109.98	-30.61
		High	2180.03	-30.46
	16QAM	Low	2109.98	-31.66
		High	2180.03	-31.79
	64QAM	Low	2109.98	-30.60
		High	2180.03	-30.72
	256QAM	Low	2109.98	-31.27
		High	2180.03	-30.38

B66 LTE 10 MHz 1 Carrier

Ant.	Mod.	Channel	Frequency (MHz)	Measured Value (dBm)
0	QPSK	Low	2109.95	-28.92
		High	2180.05	-29.10
	16QAM	Low	2109.95	-28.98
		High	2180.05	-28.77
	64QAM	Low	2109.95	-29.06
		High	2180.05	-28.50
	256QAM	Low	2109.95	-28.78
		High	2180.05	-28.78
1	QPSK	Low	2109.95	-29.24
		High	2180.05	-28.74
	16QAM	Low	2109.95	-28.34
		High	2180.05	-28.81
	64QAM	Low	2109.95	-29.22
		High	2180.05	-28.51
	256QAM	Low	2109.95	-29.54
		High	2180.05	-29.21

B66 LTE 15 MHz 1 Carrier

Ant.	Mod.	Channel	Frequency (MHz)	Measured Value (dBm)
0	QPSK	Low	2109.93	-27.79
		High	2180.08	-26.76
	16QAM	Low	2109.93	-28.05
		High	2180.08	-26.52
	64QAM	Low	2109.93	-27.19
		High	2180.08	-26.84
	256QAM	Low	2109.93	-27.52
		High	2180.08	-27.48
1	QPSK	Low	2109.93	-27.33
		High	2180.08	-27.19
	16QAM	Low	2109.93	-26.86
		High	2180.08	-27.05
	64QAM	Low	2109.93	-27.05
		High	2180.08	-26.61
	256QAM	Low	2109.93	-27.60
		High	2180.08	-27.18

B66 LTE 20 MHz 1 Carrier

Ant.	Mod.	Channel	Frequency (MHz)	Measured Value (dBm)
0	QPSK	Low	2109.90	-26.45
		High	2180.10	-26.12
	16QAM	Low	2109.90	-25.80
		High	2180.10	-25.99
	64QAM	Low	2109.90	-25.98
		High	2180.10	-26.51
	256QAM	Low	2109.90	-26.30
		High	2180.10	-26.36
1	QPSK	Low	2109.90	-25.77
		High	2180.10	-25.84
	16QAM	Low	2109.90	-25.94
		High	2180.10	-26.41
	64QAM	Low	2109.90	-25.86
		High	2180.10	-25.93
	256QAM	Low	2109.90	-26.06
		High	2180.10	-26.31

5G NR n66 5 MHz 1 Carrier

Ant.	Mod.	Channel	Frequency (MHz)	Measured Value (dBm)
0	QPSK	Low	2109.98	-30.68
		High	2180.03	-31.79
	16QAM	Low	2109.98	-30.97
		High	2180.03	-30.46
	64QAM	Low	2109.98	-31.40
		High	2180.03	-30.38
	256QAM	Low	2109.98	-31.26
		High	2180.03	-30.54
1	QPSK	Low	2109.98	-30.16
		High	2180.03	-31.23
	16QAM	Low	2109.98	-29.96
		High	2180.03	-31.32
	64QAM	Low	2109.98	-30.68
		High	2180.03	-31.02
	256QAM	Low	2109.98	-30.74
		High	2180.03	-31.00

5G NR n66 10 MHz 1 Carrier

Ant.	Mod.	Channel	Frequency (MHz)	Measured Value (dBm)
0	QPSK	Low	2109.95	-28.41
		High	2180.05	-27.36
	16QAM	Low	2109.95	-28.78
		High	2180.05	-27.97
	64QAM	Low	2109.95	-28.13
		High	2180.05	-27.87
	256QAM	Low	2109.95	-28.12
		High	2180.05	-28.06
1	QPSK	Low	2109.95	-28.89
		High	2180.05	-28.08
	16QAM	Low	2109.95	-27.68
		High	2180.05	-27.90
	64QAM	Low	2109.95	-27.74
		High	2180.05	-28.06
	256QAM	Low	2109.95	-27.81
		High	2180.05	-28.04

5G NR n66 15 MHz 1 Carrier

Ant.	Mod.	Channel	Frequency (MHz)	Measured Value (dBm)
0	QPSK	Low	2109.93	-26.73
		High	2180.08	-26.95
	16QAM	Low	2109.93	-25.86
		High	2180.08	-26.25
	64QAM	Low	2109.93	-25.89
		High	2180.08	-26.06
	256QAM	Low	2109.93	-26.01
		High	2180.08	-26.32
1	QPSK	Low	2109.93	-26.51
		High	2180.08	-25.89
	16QAM	Low	2109.93	-26.36
		High	2180.08	-26.01
	64QAM	Low	2109.93	-26.04
		High	2180.08	-25.98
	256QAM	Low	2109.93	-26.57
		High	2180.08	-26.65

5G NR n66 20 MHz 1 Carrier

Ant.	Mod.	Channel	Frequency (MHz)	Measured Value (dBm)
0	QPSK	Low	2109.90	-25.14
		High	2180.10	-26.07
	16QAM	Low	2109.90	-25.36
		High	2180.10	-26.17
	64QAM	Low	2109.90	-24.52
		High	2180.10	-26.85
	256QAM	Low	2109.90	-24.42
		High	2180.10	-25.75
1	QPSK	Low	2109.90	-25.69
		High	2180.10	-25.54
	16QAM	Low	2109.90	-24.95
		High	2180.10	-26.25
	64QAM	Low	2109.90	-25.42
		High	2180.10	-26.61
	256QAM	Low	2109.90	-24.61
		High	2180.10	-25.83

Tabular Data of Contiguous Out-of-band Unwanted Emissions

B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod.	Channel	Frequency (MHz)	Measured Value (dBm)
0	QPSK	Low	2109.98	-31.60
		High	2180.03	-32.26
	16QAM	Low	2109.98	-32.38
		High	2180.03	-30.93
	64QAM	Low	2109.98	-32.07
		High	2180.03	-32.08
	256QAM	Low	2109.98	-31.70
		High	2180.03	-32.24
1	QPSK	Low	2109.98	-32.12
		High	2180.03	-31.37
	16QAM	Low	2109.98	-31.99
		High	2180.03	-31.95
	64QAM	Low	2109.98	-32.27
		High	2180.03	-32.12
	256QAM	Low	2109.98	-31.75
		High	2180.03	-32.20

B66 LTE 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod.	Channel	Frequency (MHz)	Measured Value (dBm)
0	QPSK	Low	2109.90	-26.50
		High	2180.03	-31.70
	16QAM	Low	2109.90	-26.09
		High	2180.03	-32.85
	64QAM	Low	2109.90	-26.77
		High	2180.03	-31.80
	256QAM	Low	2109.90	-25.81
		High	2180.03	-31.95
1	QPSK	Low	2109.90	-26.03
		High	2180.03	-31.40
	16QAM	Low	2109.90	-26.38
		High	2180.03	-32.15
	64QAM	Low	2109.90	-26.37
		High	2180.03	-32.25
	256QAM	Low	2109.90	-25.92
		High	2180.03	-31.46

B66 LTE 20 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier [2 Carrier]

Ant.	Mod.	Channel	Frequency (MHz)	Measured Value (dBm)
0	QPSK	Low	2109.90	-25.95
		High	2180.05	-28.88
	16QAM	Low	2109.90	-26.67
		High	2180.05	-29.28
	64QAM	Low	2109.90	-26.34
		High	2180.05	-28.66
	256QAM	Low	2109.90	-26.08
		High	2180.05	-28.76
1	QPSK	Low	2109.90	-26.42
		High	2180.05	-29.20
	16QAM	Low	2109.90	-26.26
		High	2180.05	-28.70
	64QAM	Low	2109.90	-26.31
		High	2180.05	-28.91
	256QAM	Low	2109.90	-25.46
		High	2180.05	-29.04

5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod.	Channel	Frequency (MHz)	Measured Value (dBm)
0	QPSK	Low	2109.98	-32.24
		High	2180.03	-31.34
	16QAM	Low	2109.98	-31.52
		High	2180.03	-32.48
	64QAM	Low	2109.98	-31.85
		High	2180.03	-32.65
	256QAM	Low	2109.98	-32.42
		High	2180.03	-31.98
1	QPSK	Low	2109.98	-32.01
		High	2180.03	-32.33
	16QAM	Low	2109.98	-31.75
		High	2180.03	-31.35
	64QAM	Low	2109.98	-32.23
		High	2180.03	-32.11
	256QAM	Low	2109.98	-32.42
		High	2180.03	-31.43

5G NR n66 20 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod.	Channel	Frequency (MHz)	Measured Value (dBm)
0	QPSK	Low	2109.90	-25.99
		High	2180.03	-31.83
	16QAM	Low	2109.90	-25.70
		High	2180.03	-32.26
	64QAM	Low	2109.90	-26.65
		High	2180.03	-32.03
	256QAM	Low	2109.90	-26.74
		High	2180.03	-31.95
1	QPSK	Low	2109.90	-25.72
		High	2180.03	-32.42
	16QAM	Low	2109.90	-25.61
		High	2180.03	-31.40
	64QAM	Low	2109.90	-25.96
		High	2180.03	-32.21
	256QAM	Low	2109.90	-25.87
		High	2180.03	-32.51

5G NR n66 20 MHz 1 Carrier + 5G NR n66 10 MHz 1 Carrier [2 Carrier]

Ant.	Mod.	Channel	Frequency (MHz)	Measured Value (dBm)
0	QPSK	Low	2109.90	-26.79
		High	2180.05	-29.90
	16QAM	Low	2109.90	-26.39
		High	2180.05	-29.46
	64QAM	Low	2109.90	-26.56
		High	2180.05	-29.21
	256QAM	Low	2109.90	-25.71
		High	2180.05	-29.11
1	QPSK	Low	2109.90	-26.90
		High	2180.05	-29.32
	16QAM	Low	2109.90	-26.02
		High	2180.05	-28.50
	64QAM	Low	2109.90	-26.51
		High	2180.05	-28.88
	256QAM	Low	2109.90	-26.94
		High	2180.05	-29.43

5G NR n66 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod.	Channel	Frequency (MHz)	Measured Value (dBm)
0	QPSK	Low	2109.98	-32.39
		High	2180.03	-32.02
	16QAM	Low	2109.98	-31.68
		High	2180.03	-31.57
	64QAM	Low	2109.98	-32.23
		High	2180.03	-31.91
	256QAM	Low	2109.98	-32.25
		High	2180.03	-31.81
1	QPSK	Low	2109.98	-32.06
		High	2180.03	-31.82
	16QAM	Low	2109.98	-32.05
		High	2180.03	-32.00
	64QAM	Low	2109.98	-31.52
		High	2180.03	-32.80
	256QAM	Low	2109.98	-30.91
		High	2180.03	-32.39

5G NR n66 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod.	Channel	Frequency (MHz)	Measured Value (dBm)
0	QPSK	Low	2109.90	-26.01
		High	2180.03	-32.30
	16QAM	Low	2109.90	-26.54
		High	2180.03	-32.31
	64QAM	Low	2109.90	-25.84
		High	2180.03	-31.89
	256QAM	Low	2109.90	-26.77
		High	2180.03	-31.97
1	QPSK	Low	2109.90	-26.37
		High	2180.03	-32.05
	16QAM	Low	2109.90	-26.94
		High	2180.03	-32.66
	64QAM	Low	2109.90	-25.78
		High	2180.03	-32.28
	256QAM	Low	2109.90	-26.05
		High	2180.03	-32.09

5G NR n66 20 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier [2 Carrier]

Ant.	Mod.	Channel	Frequency (MHz)	Measured Value (dBm)
0	QPSK	Low	2109.90	-26.40
		High	2180.05	-29.25
	16QAM	Low	2109.90	-26.22
		High	2180.05	-29.40
	64QAM	Low	2109.90	-26.75
		High	2180.05	-29.84
	256QAM	Low	2109.90	-26.36
		High	2180.05	-29.42
1	QPSK	Low	2109.90	-26.83
		High	2180.05	-28.97
	16QAM	Low	2109.90	-26.12
		High	2180.05	-28.85
	64QAM	Low	2109.90	-25.90
		High	2180.05	-29.18
	256QAM	Low	2109.90	-25.86
		High	2180.05	-29.03

B66 LTE 20 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod.	Channel	Frequency (MHz)	Measured Value (dBm)
0	QPSK	Low	2109.90	-26.18
		High	2180.03	-32.86
	16QAM	Low	2109.90	-26.23
		High	2180.03	-32.73
	64QAM	Low	2109.90	-26.76
		High	2180.03	-33.08
	256QAM	Low	2109.90	-26.06
		High	2180.03	-32.24
1	QPSK	Low	2109.90	-26.39
		High	2180.03	-31.74
	16QAM	Low	2109.90	-25.80
		High	2180.03	-32.96
	64QAM	Low	2109.90	-26.03
		High	2180.03	-32.23
	256QAM	Low	2109.90	-26.19
		High	2180.03	-31.24

B66 LTE 20 MHz 1 Carrier + 5G NR n66 10 MHz 1 Carrier [2 Carrier]

Ant.	Mod.	Channel	Frequency (MHz)	Measured Value (dBm)
0	QPSK	Low	2109.90	-26.79
		High	2180.05	-28.86
	16QAM	Low	2109.90	-26.62
		High	2180.05	-28.96
	64QAM	Low	2109.90	-26.44
		High	2180.05	-29.35
	256QAM	Low	2109.90	-26.65
		High	2180.05	-29.43
1	QPSK	Low	2109.90	-25.62
		High	2180.05	-29.38
	16QAM	Low	2109.90	-25.73
		High	2180.05	-29.38
	64QAM	Low	2109.90	-26.19
		High	2180.05	-28.93
	256QAM	Low	2109.90	-25.29
		High	2180.05	-29.56

Tabular Data of Non-Contiguous Out-of-band Unwanted Emissions

B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod.	Channel	Frequency (MHz)	Measured Value (dBm)
0	QPSK	Low	2109.98	-32.65
		High	2180.03	-31.37
	16QAM	Low	2109.98	-32.30
		High	2180.03	-31.95
	64QAM	Low	2109.98	-32.05
		High	2180.03	-31.54
	256QAM	Low	2109.98	-32.75
		High	2180.03	-31.99
1	QPSK	Low	2109.98	-31.98
		High	2180.03	-31.82
	16QAM	Low	2109.98	-32.01
		High	2180.03	-32.08
	64QAM	Low	2109.98	-31.56
		High	2180.03	-31.36
	256QAM	Low	2109.98	-31.58
		High	2180.03	-31.84

B66 LTE 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod.	Channel	Frequency (MHz)	Measured Value (dBm)
0	QPSK	Low	2109.90	-26.42
		High	2180.03	-31.97
	16QAM	Low	2109.90	-25.85
		High	2180.03	-32.64
	64QAM	Low	2109.90	-26.43
		High	2180.03	-32.36
	256QAM	Low	2109.90	-26.56
		High	2180.03	-32.26
1	QPSK	Low	2109.90	-26.61
		High	2180.03	-31.88
	16QAM	Low	2109.90	-25.34
		High	2180.03	-31.27
	64QAM	Low	2109.90	-25.92
		High	2180.03	-32.21
	256QAM	Low	2109.90	-26.08
		High	2180.03	-31.93

B66 LTE 20 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier [2 Carrier]

Ant.	Mod.	Channel	Frequency (MHz)	Measured Value (dBm)
0	QPSK	Low	2109.90	-25.80
		High	2180.05	-29.32
	16QAM	Low	2109.90	-27.00
		High	2180.05	-29.26
	64QAM	Low	2109.90	-26.54
		High	2180.05	-29.70
	256QAM	Low	2109.90	-27.36
		High	2180.05	-29.67
1	QPSK	Low	2109.90	-25.93
		High	2180.05	-29.87
	16QAM	Low	2109.90	-26.61
		High	2180.05	-29.23
	64QAM	Low	2109.90	-26.55
		High	2180.05	-29.08
	256QAM	Low	2109.90	-25.86
		High	2180.05	-29.62

5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod.	Channel	Frequency (MHz)	Measured Value (dBm)
0	QPSK	Low	2109.98	-32.33
		High	2180.03	-33.10
	16QAM	Low	2109.98	-31.93
		High	2180.03	-32.46
	64QAM	Low	2109.98	-32.53
		High	2180.03	-32.11
	256QAM	Low	2109.98	-32.18
		High	2180.03	-32.18
1	QPSK	Low	2109.98	-31.86
		High	2180.03	-32.03
	16QAM	Low	2109.98	-31.97
		High	2180.03	-31.22
	64QAM	Low	2109.98	-32.69
		High	2180.03	-31.92
	256QAM	Low	2109.98	-32.65
		High	2180.03	-32.19

5G NR n66 20 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod.	Channel	Frequency (MHz)	Measured Value (dBm)
0	QPSK	Low	2109.90	-25.74
		High	2180.03	-32.49
	16QAM	Low	2109.90	-26.93
		High	2180.03	-32.32
	64QAM	Low	2109.90	-26.32
		High	2180.03	-32.03
	256QAM	Low	2109.90	-26.22
		High	2180.03	-32.38
1	QPSK	Low	2109.90	-26.38
		High	2180.03	-32.23
	16QAM	Low	2109.90	-26.21
		High	2180.03	-31.99
	64QAM	Low	2109.90	-25.92
		High	2180.03	-31.69
	256QAM	Low	2109.90	-26.03
		High	2180.03	-31.63

5G NR n66 20 MHz 1 Carrier + 5G NR n66 10 MHz 1 Carrier [2 Carrier]

Ant.	Mod.	Channel	Frequency (MHz)	Measured Value (dBm)
0	QPSK	Low	2109.90	-26.76
		High	2180.05	-28.87
	16QAM	Low	2109.90	-26.34
		High	2180.05	-29.47
	64QAM	Low	2109.90	-26.41
		High	2180.05	-28.41
	256QAM	Low	2109.90	-25.99
		High	2180.05	-28.88
1	QPSK	Low	2109.90	-26.78
		High	2180.05	-29.00
	16QAM	Low	2109.90	-26.51
		High	2180.05	-28.90
	64QAM	Low	2109.90	-26.46
		High	2180.05	-28.60
	256QAM	Low	2109.90	-25.93
		High	2180.05	-29.35

5G NR n66 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod.	Channel	Frequency (MHz)	Measured Value (dBm)
0	QPSK	Low	2109.98	-32.59
		High	2180.03	-32.45
	16QAM	Low	2109.98	-31.97
		High	2180.03	-32.34
	64QAM	Low	2109.98	-32.55
		High	2180.03	-31.94
	256QAM	Low	2109.98	-32.26
		High	2180.03	-31.44
1	QPSK	Low	2109.98	-31.75
		High	2180.03	-31.89
	16QAM	Low	2109.98	-32.00
		High	2180.03	-31.46
	64QAM	Low	2109.98	-30.87
		High	2180.03	-31.87
	256QAM	Low	2109.98	-31.43
		High	2180.03	-31.98

5G NR n66 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod.	Channel	Frequency (MHz)	Measured Value (dBm)
0	QPSK	Low	2109.90	-26.01
		High	2180.03	-31.72
	16QAM	Low	2109.90	-26.98
		High	2180.03	-31.75
	64QAM	Low	2109.90	-26.93
		High	2180.03	-32.58
	256QAM	Low	2109.90	-26.64
		High	2180.03	-31.46
1	QPSK	Low	2109.90	-25.99
		High	2180.03	-32.18
	16QAM	Low	2109.90	-26.29
		High	2180.03	-31.67
	64QAM	Low	2109.90	-26.44
		High	2180.03	-31.74
	256QAM	Low	2109.90	-26.30
		High	2180.03	-32.73

5G NR n66 20 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier [2 Carrier]

Ant.	Mod.	Channel	Frequency (MHz)	Measured Value (dBm)
0	QPSK	Low	2109.90	-25.59
		High	2180.05	-29.57
	16QAM	Low	2109.90	-25.59
		High	2180.05	-29.60
	64QAM	Low	2109.90	-26.15
		High	2180.05	-29.54
	256QAM	Low	2109.90	-26.18
		High	2180.05	-28.18
1	QPSK	Low	2109.90	-25.52
		High	2180.05	-28.62
	16QAM	Low	2109.90	-25.99
		High	2180.05	-29.18
	64QAM	Low	2109.90	-25.74
		High	2180.05	-28.17
	256QAM	Low	2109.90	-26.08
		High	2180.05	-30.17

B66 LTE 20 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [2 Carrier]

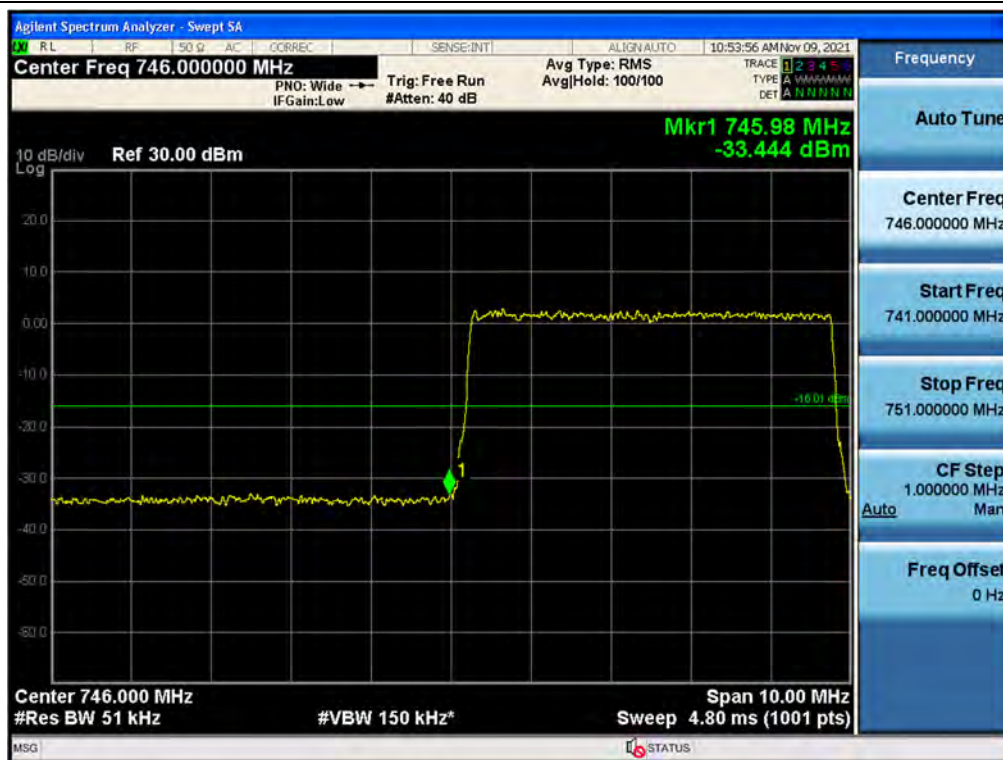
Ant.	Mod.	Channel	Frequency (MHz)	Measured Value (dBm)
0	QPSK	Low	2109.90	-26.70
		High	2180.03	-32.38
	16QAM	Low	2109.90	-26.12
		High	2180.03	-31.53
	64QAM	Low	2109.90	-26.49
		High	2180.03	-32.81
	256QAM	Low	2109.90	-26.24
		High	2180.03	-32.16
1	QPSK	Low	2109.90	-26.16
		High	2180.03	-31.75
	16QAM	Low	2109.90	-26.54
		High	2180.03	-31.81
	64QAM	Low	2109.90	-26.50
		High	2180.03	-31.88
	256QAM	Low	2109.90	-26.69
		High	2180.03	-32.57

B66 LTE 20 MHz 1 Carrier + 5G NR n66 10 MHz 1 Carrier [2 Carrier]

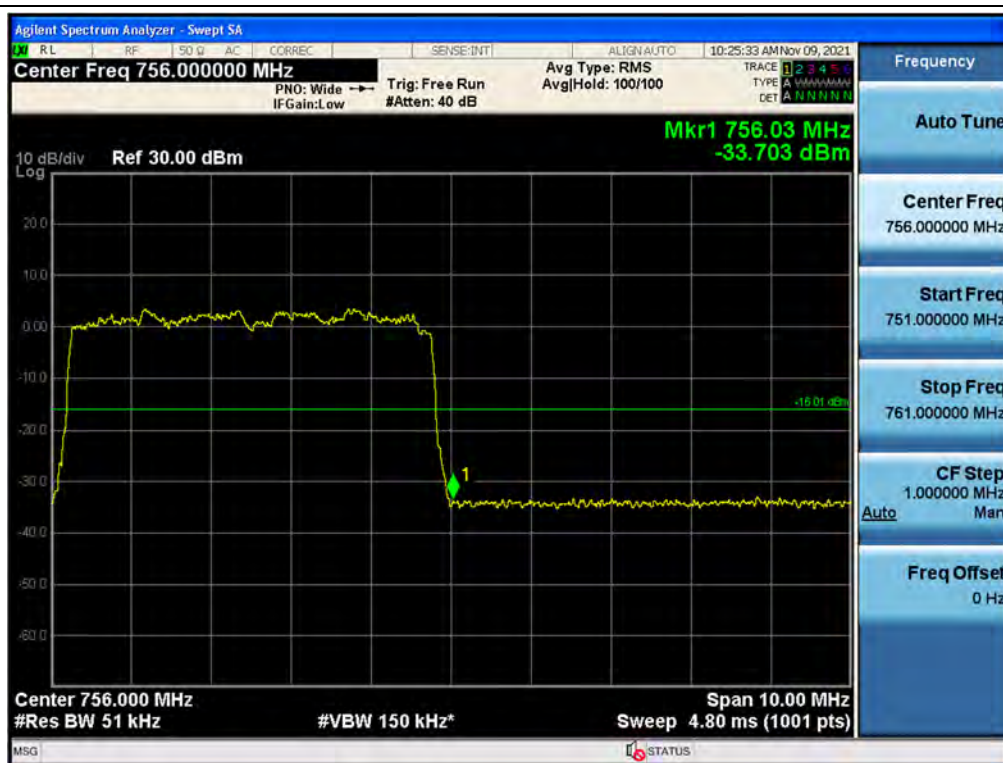
Ant.	Mod.	Channel	Frequency (MHz)	Measured Value (dBm)
0	QPSK	Low	2109.90	-26.06
		High	2180.05	-29.14
	16QAM	Low	2109.90	-25.66
		High	2180.05	-29.00
	64QAM	Low	2109.90	-26.78
		High	2180.05	-28.86
	256QAM	Low	2109.90	-26.60
		High	2180.05	-29.73
1	QPSK	Low	2109.90	-25.98
		High	2180.05	-28.91
	16QAM	Low	2109.90	-26.64
		High	2180.05	-29.26
	64QAM	Low	2109.90	-25.72
		High	2180.05	-28.78
	256QAM	Low	2109.90	-26.19
		High	2180.05	-28.97

Plot Data of Out-of-band Unwanted Emissions

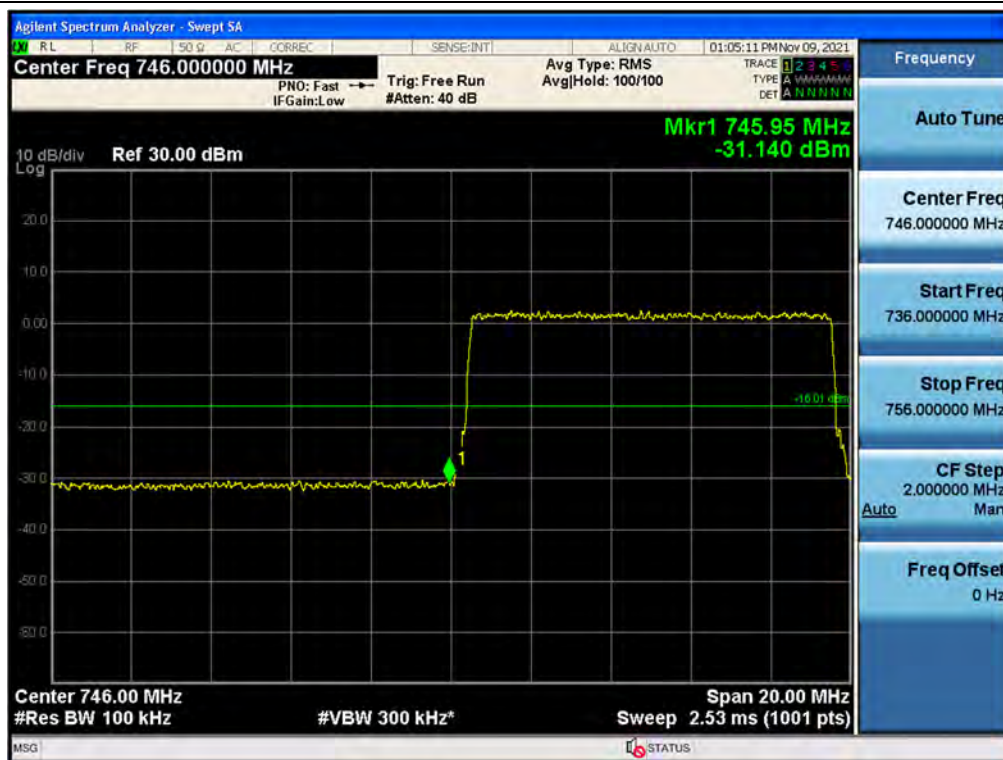
Antenna 1 / B13 LTE 5 MHz 1 Carrier / 256QAM / Low



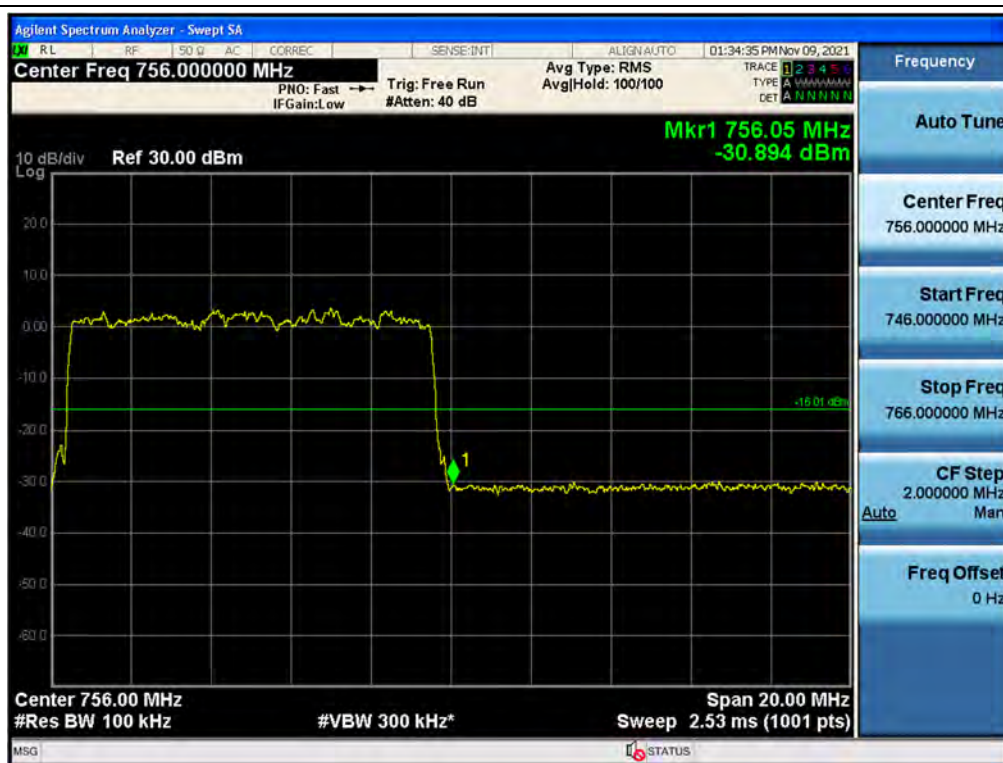
Antenna 0 / B13 LTE 5 MHz 1 Carrier / 16QAM / High



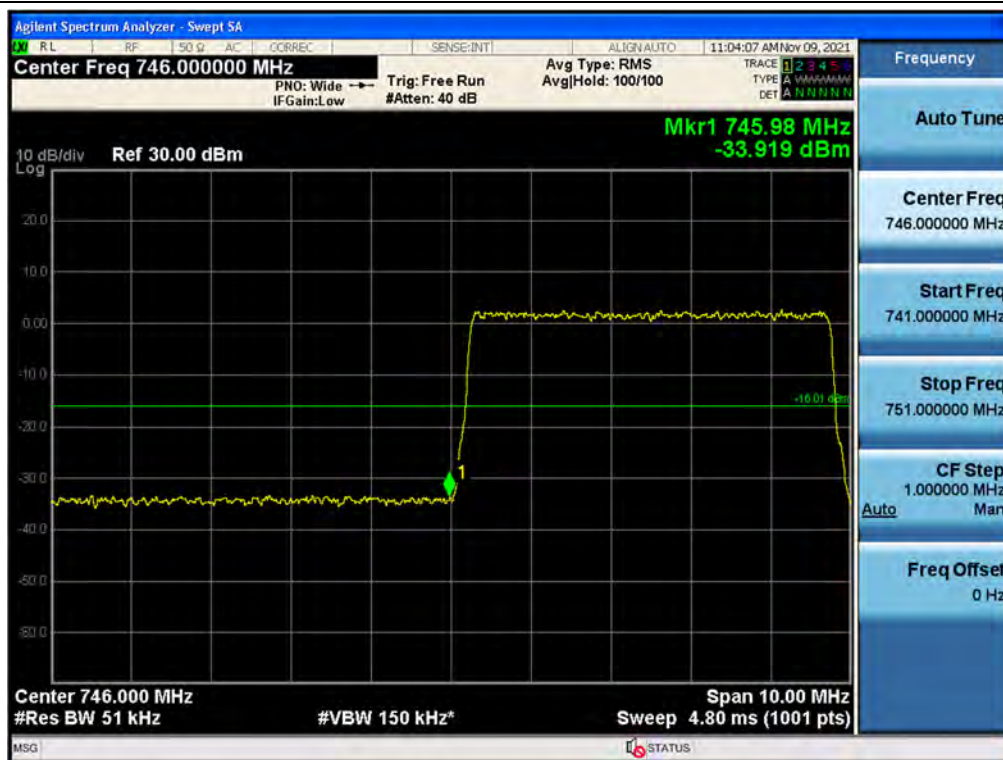
Antenna 1 / B13 LTE 10 MHz 1 Carrier / QPSK / Low



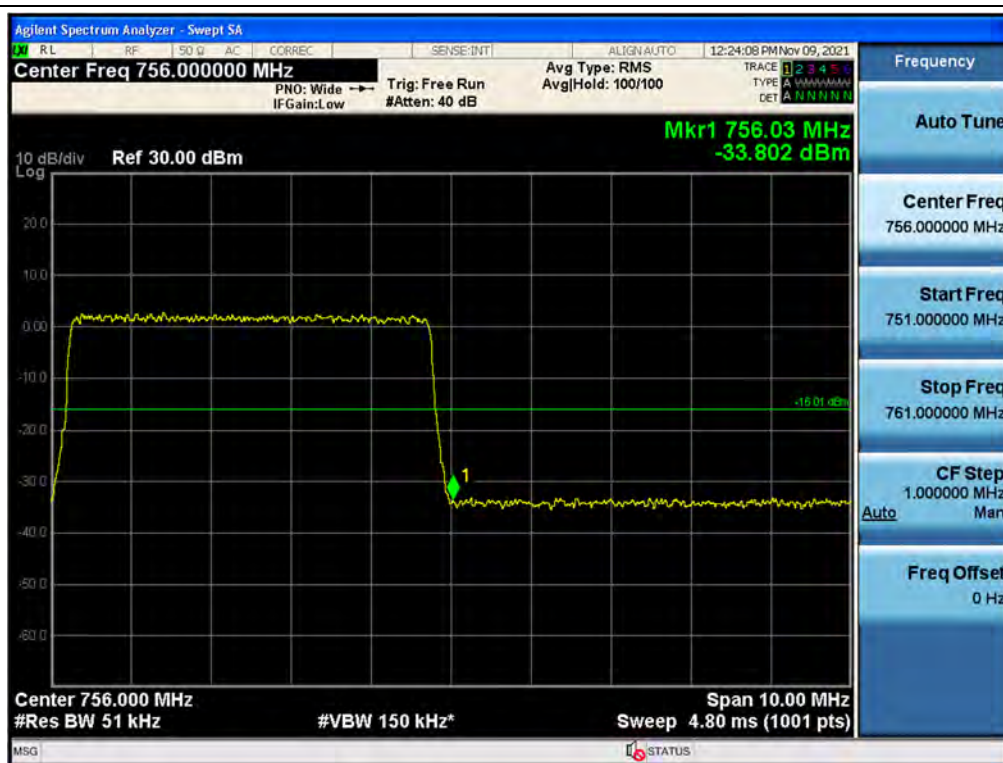
Antenna 1 / B13 LTE 10 MHz 1 Carrier / 16QAM / High



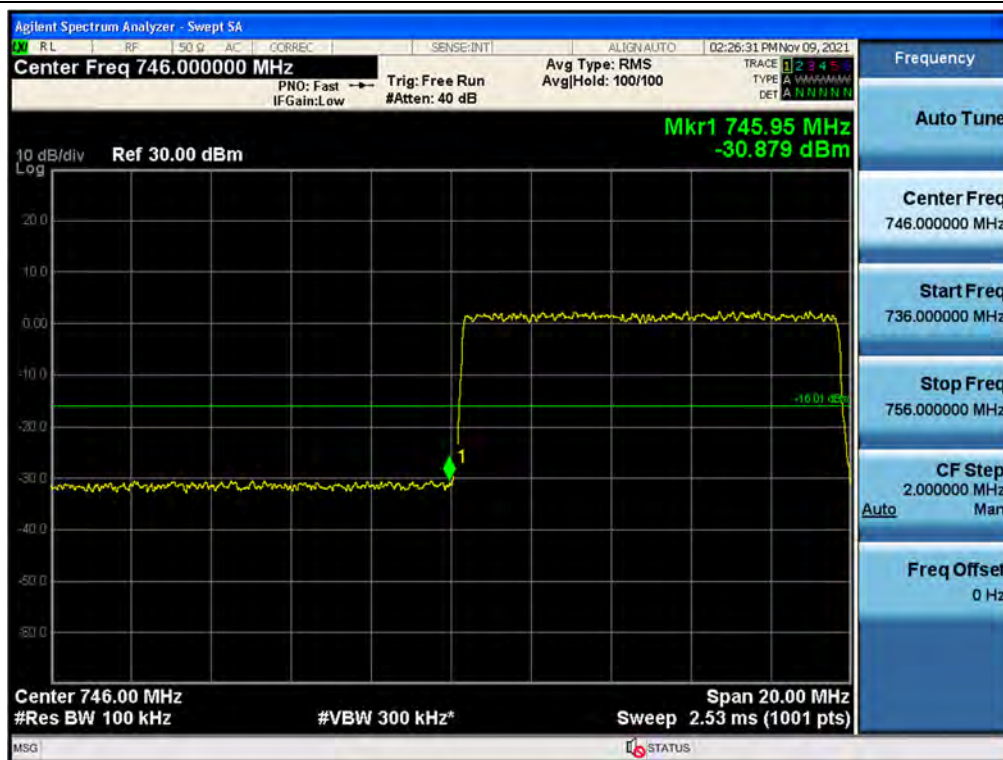
Antenna 1 / 5G NR n13 5 MHz 1 Carrier / QPSK / Low



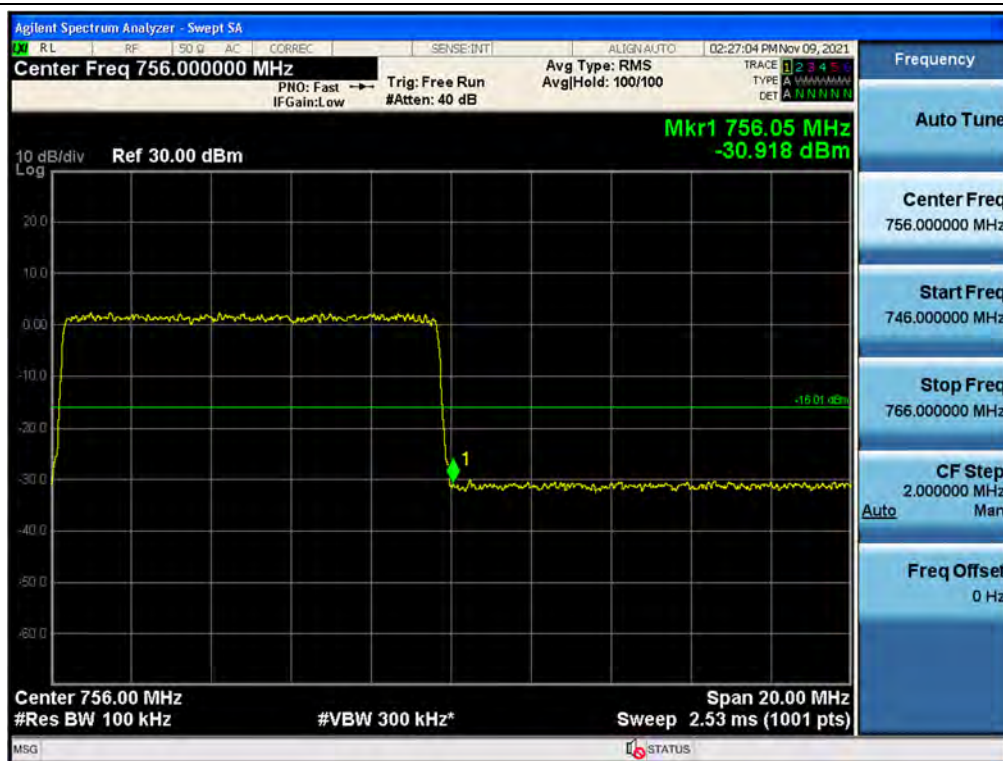
Antenna 1 / 5G NR n13 5 MHz 1 Carrier / 256QAM / High



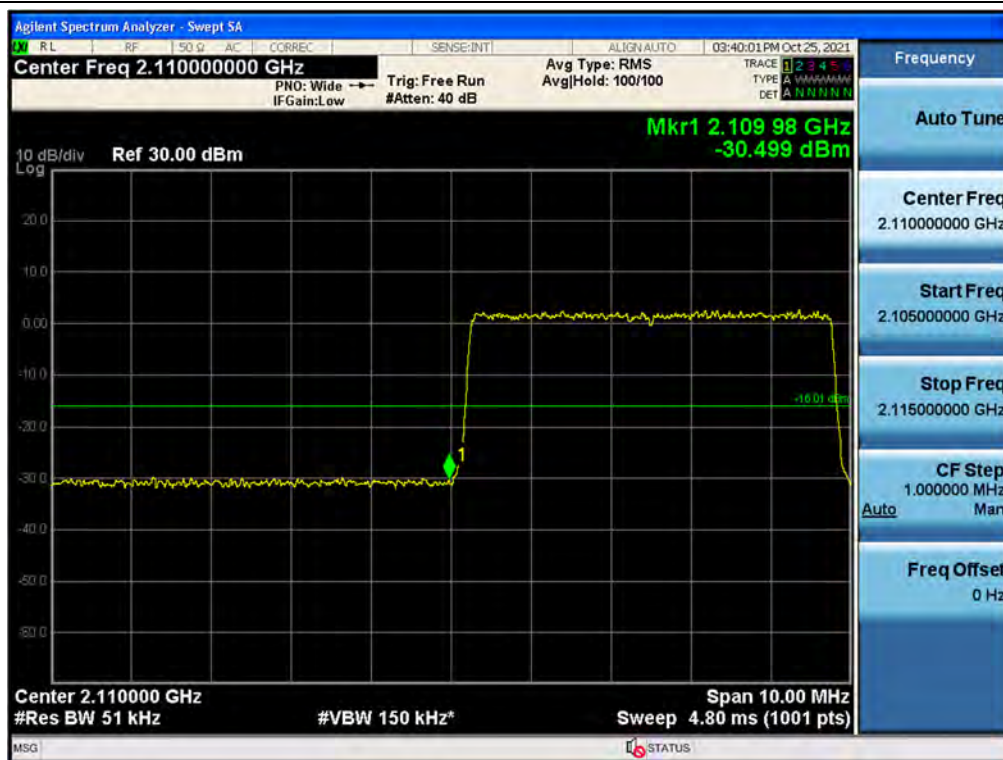
Antenna 0 / 5G NR n13 10 MHz 1 Carrier / 64QAM / Low



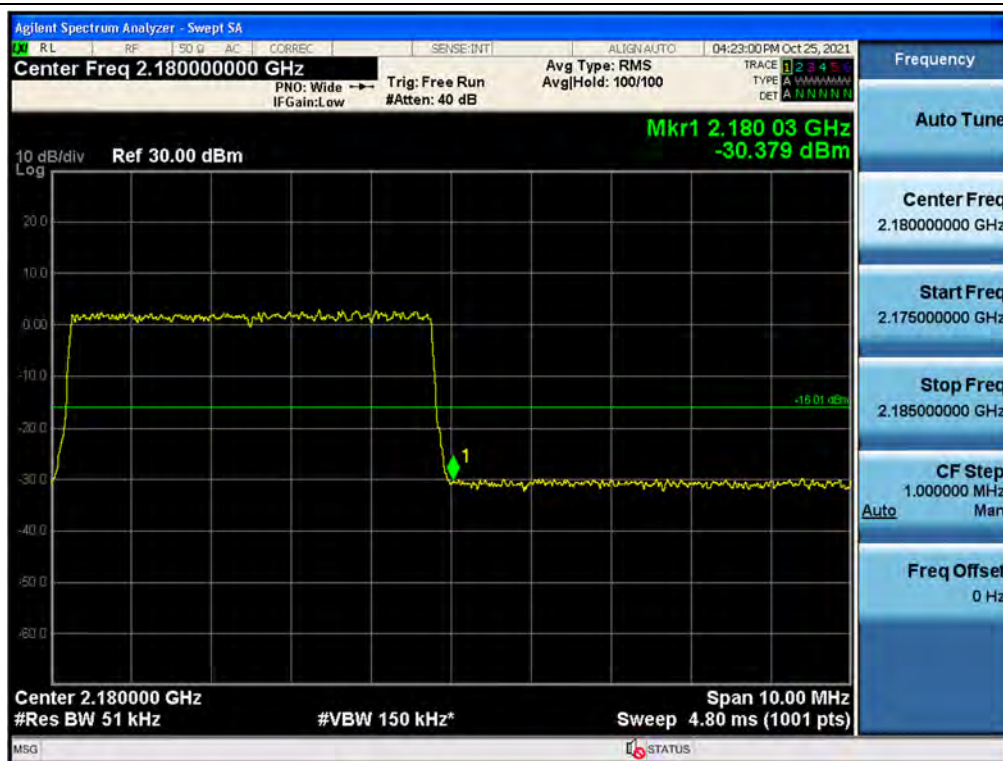
Antenna 0 / 5G NR n13 10 MHz 1 Carrier / 64QAM / High



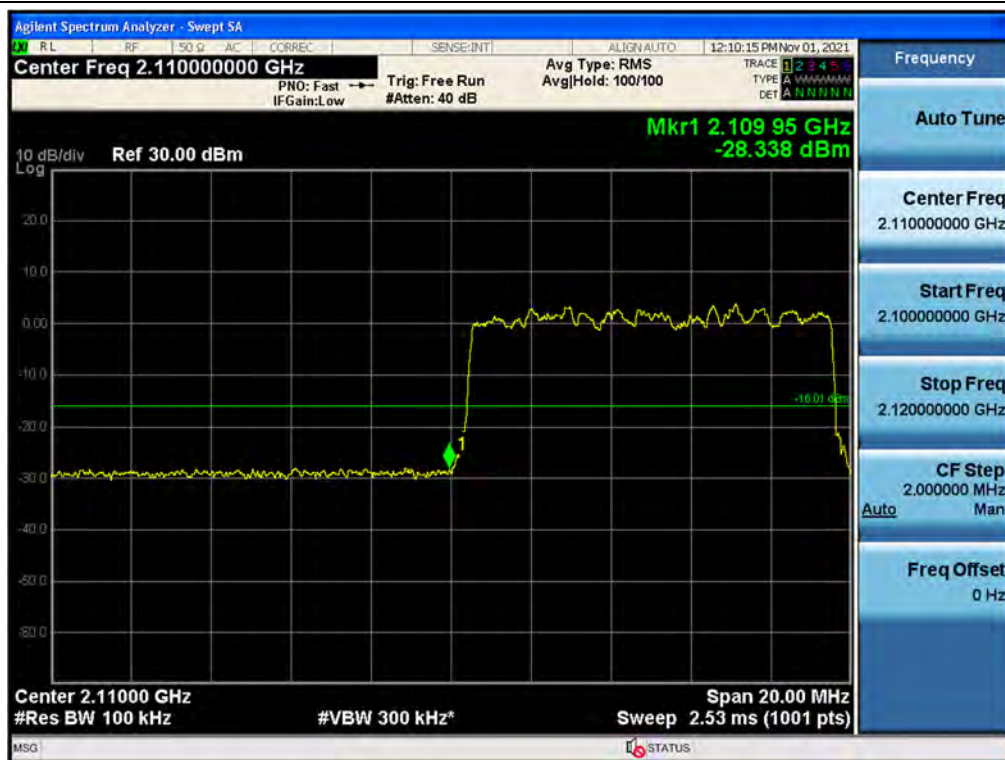
Antenna 0 / B66 LTE 5 MHz 1 Carrier / 256QAM / Low



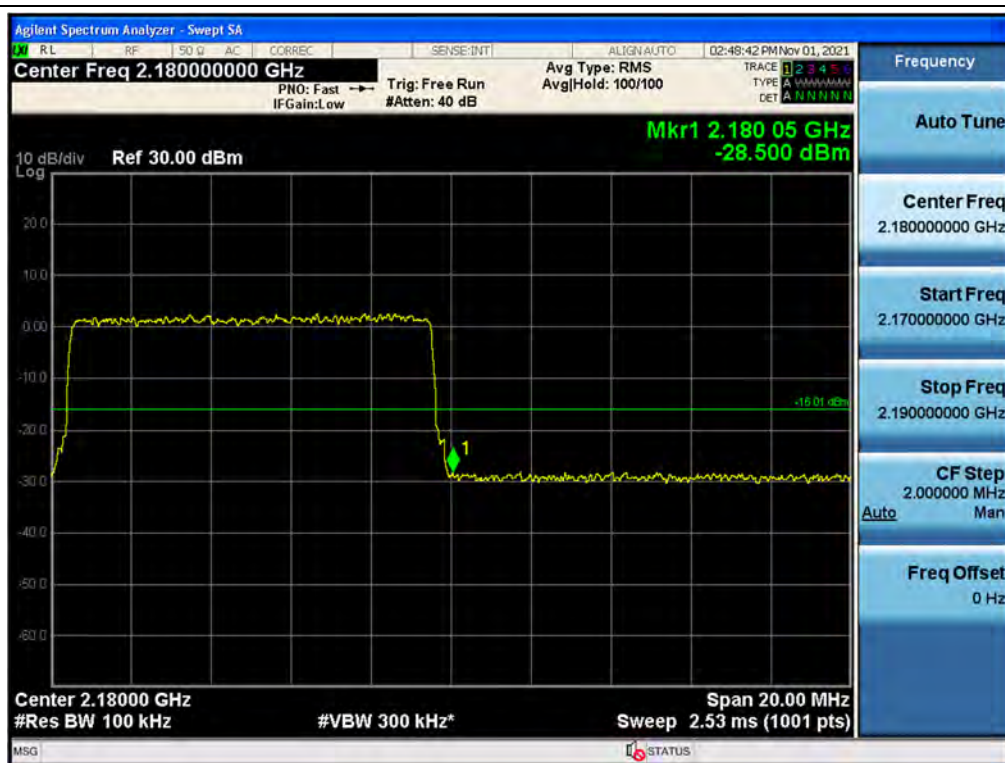
Antenna 1 / B66 LTE 5 MHz 1 Carrier / 256QAM / High



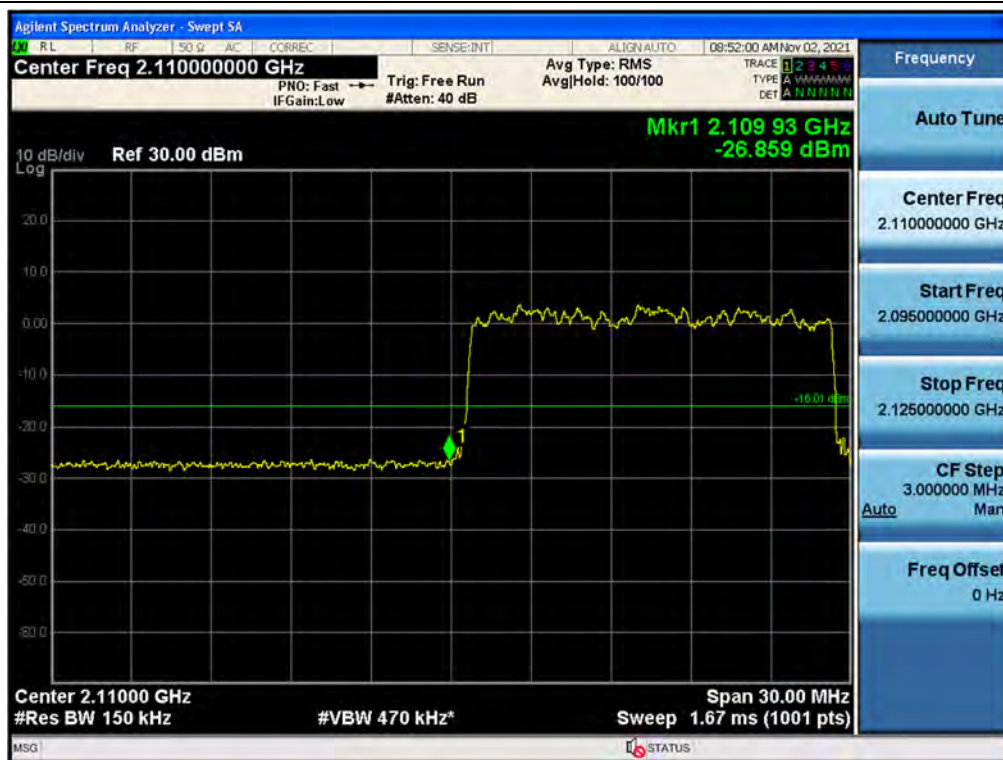
Antenna 1 / B66 LTE 10 MHz 1 Carrier / 16QAM / Low



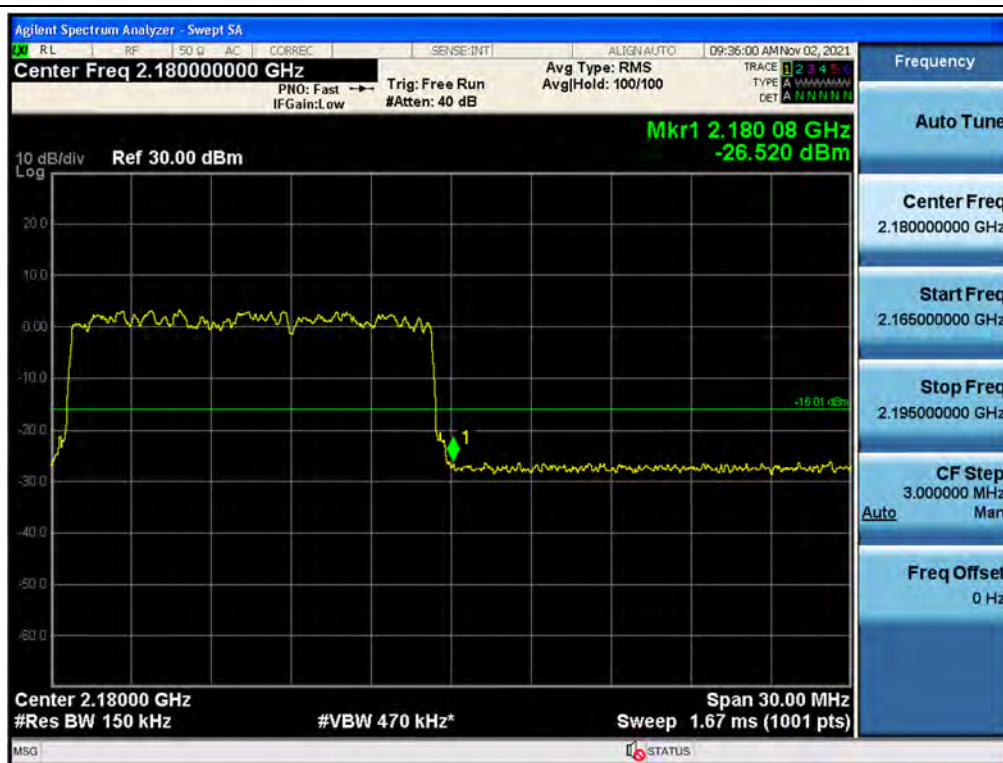
Antenna 0 / B66 LTE 10 MHz 1 Carrier / 64QAM / High



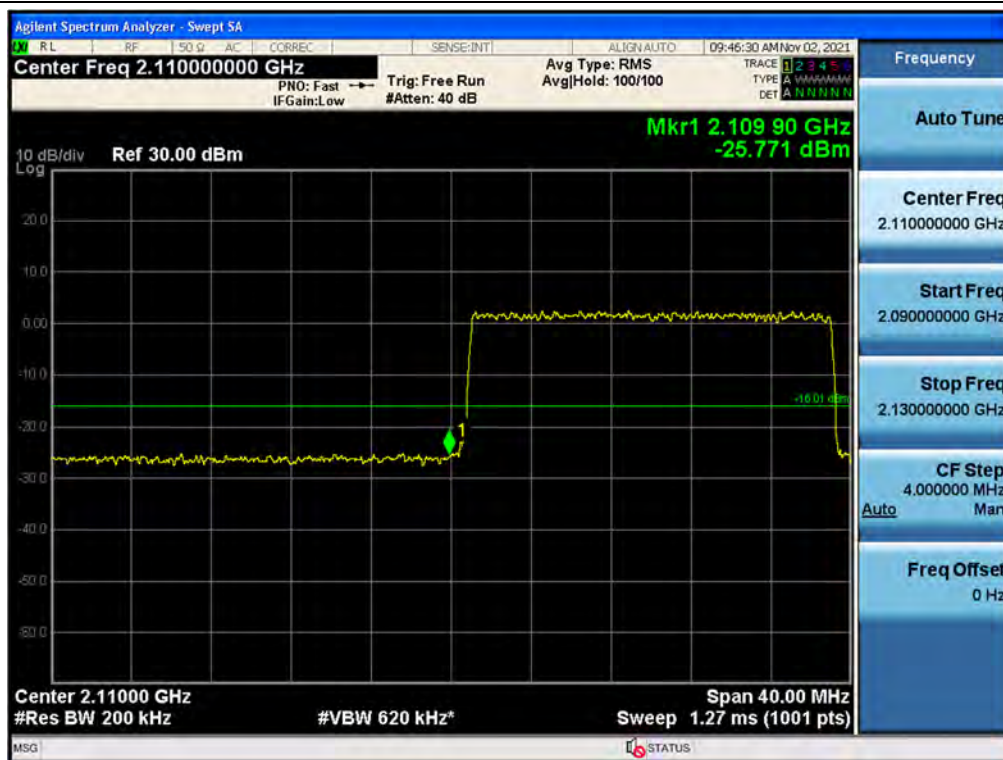
Antenna 1 / B66 LTE 15 MHz 1 Carrier / 16QAM / Low



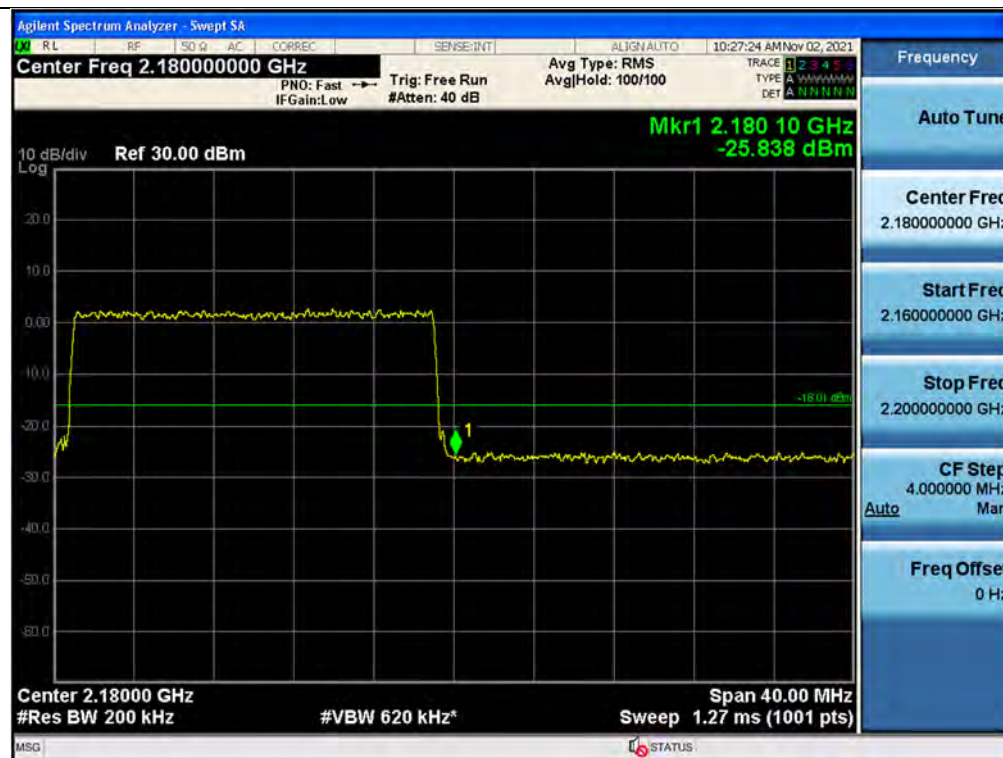
Antenna 0 / B66 LTE 15 MHz 1 Carrier / 16QAM / High



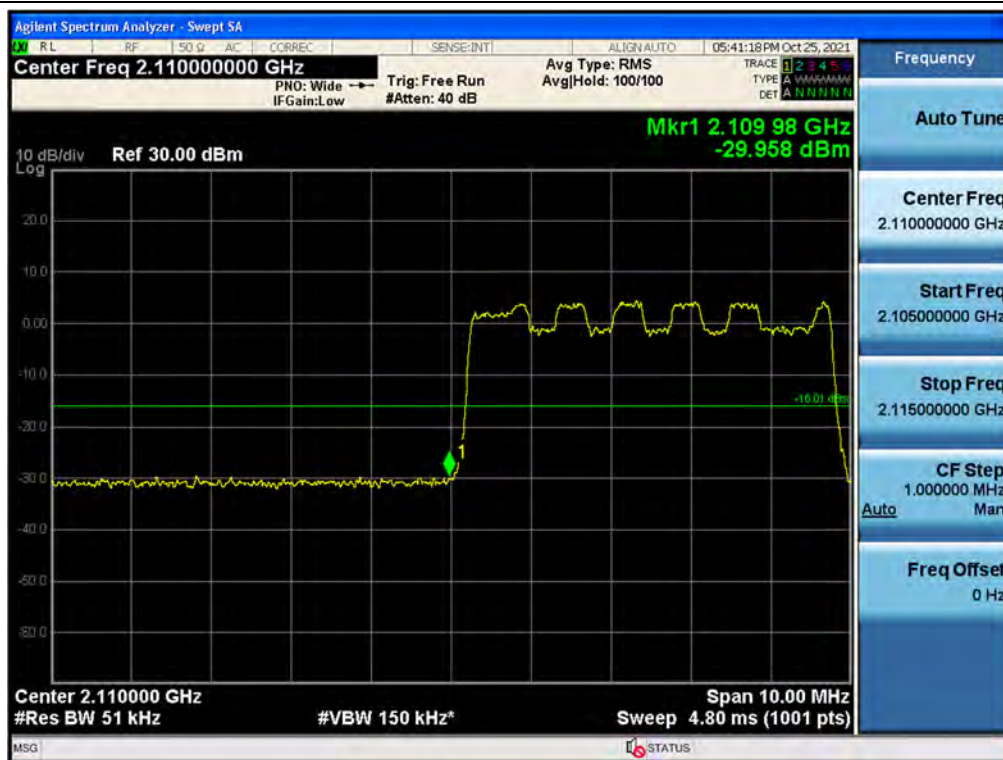
Antenna 1 / B66 LTE 20 MHz 1 Carrier / QPSK / Low



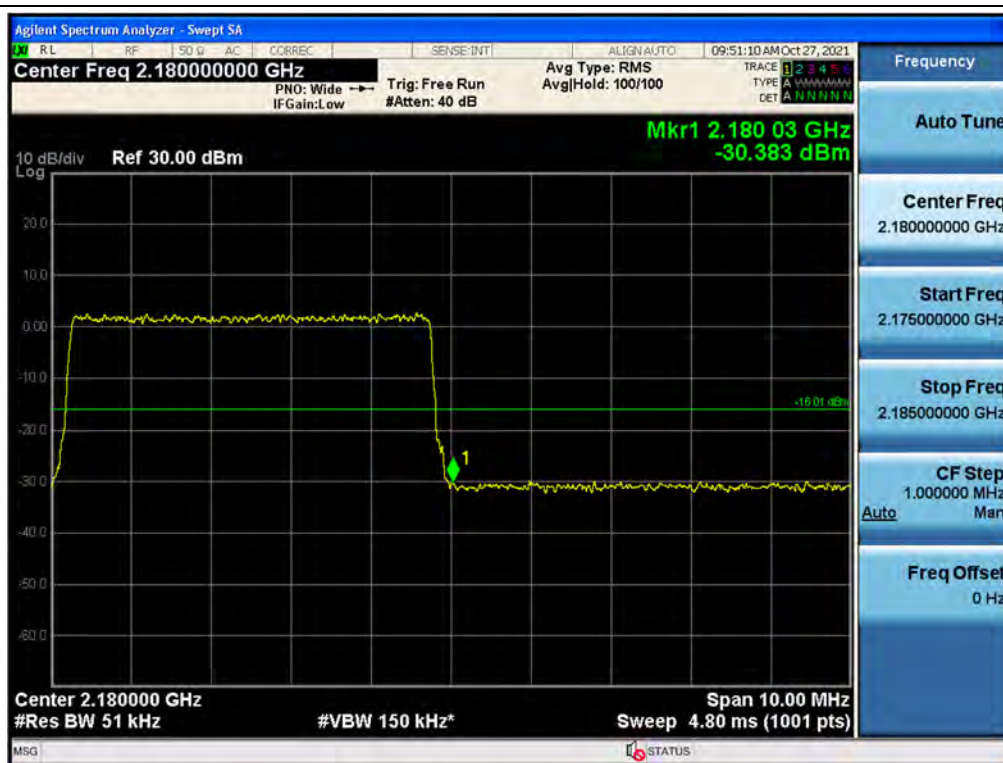
Antenna 1 / B66 LTE 20 MHz 1 Carrier / QPSK / High



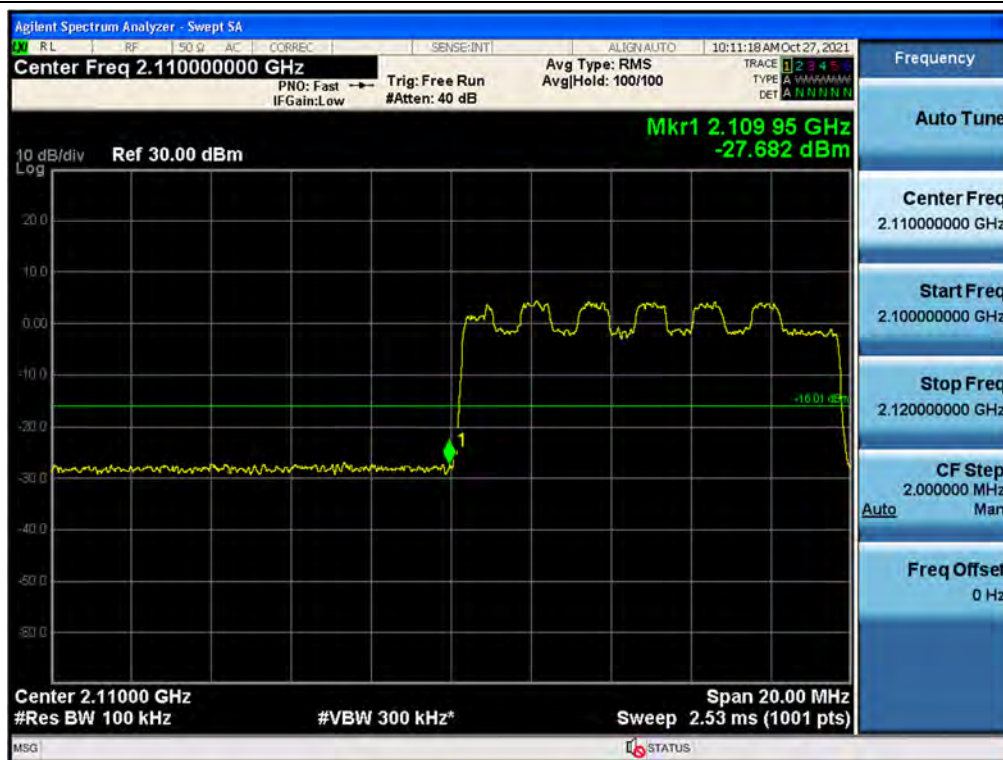
Antenna 1 / 5G NR n66 5 MHz 1 Carrier / 16QAM / Low



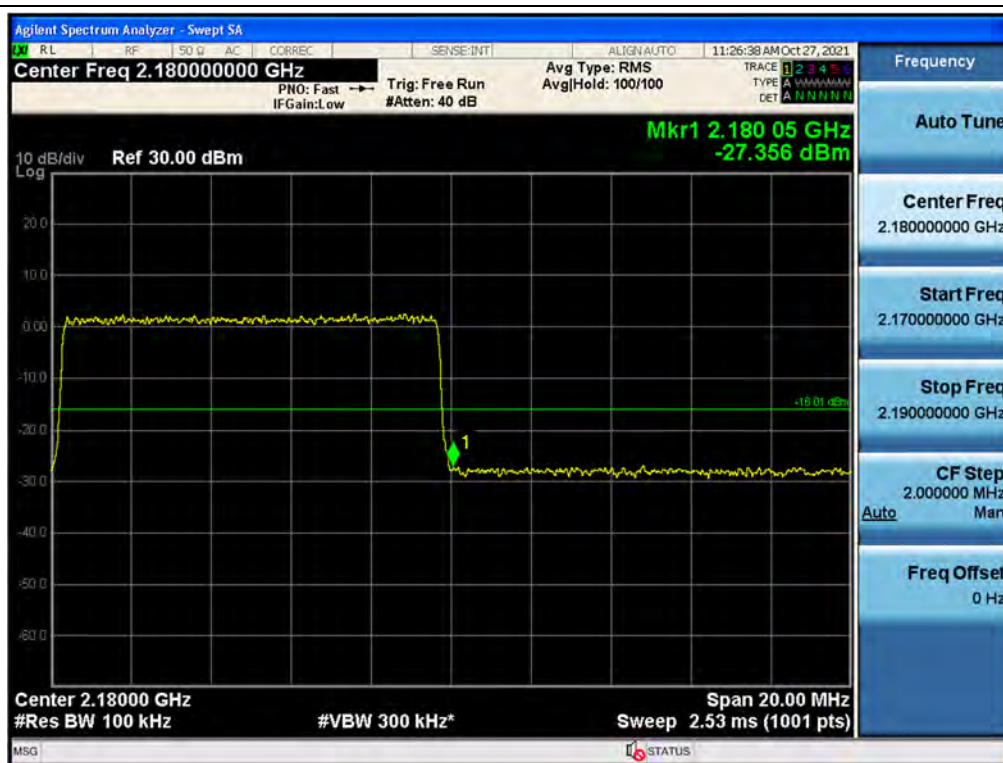
Antenna 0 / 5G NR n66 5 MHz 1 Carrier / 64QAM / High



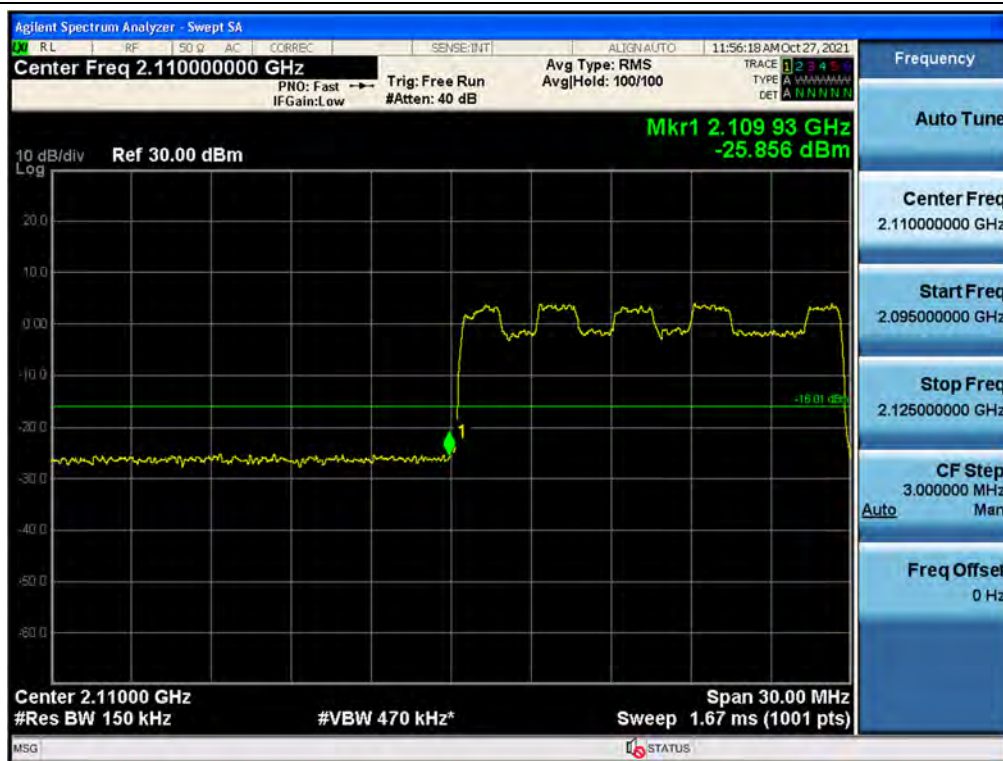
Antenna 1 / 5G NR n66 10 MHz 1 Carrier / 16QAM / Low



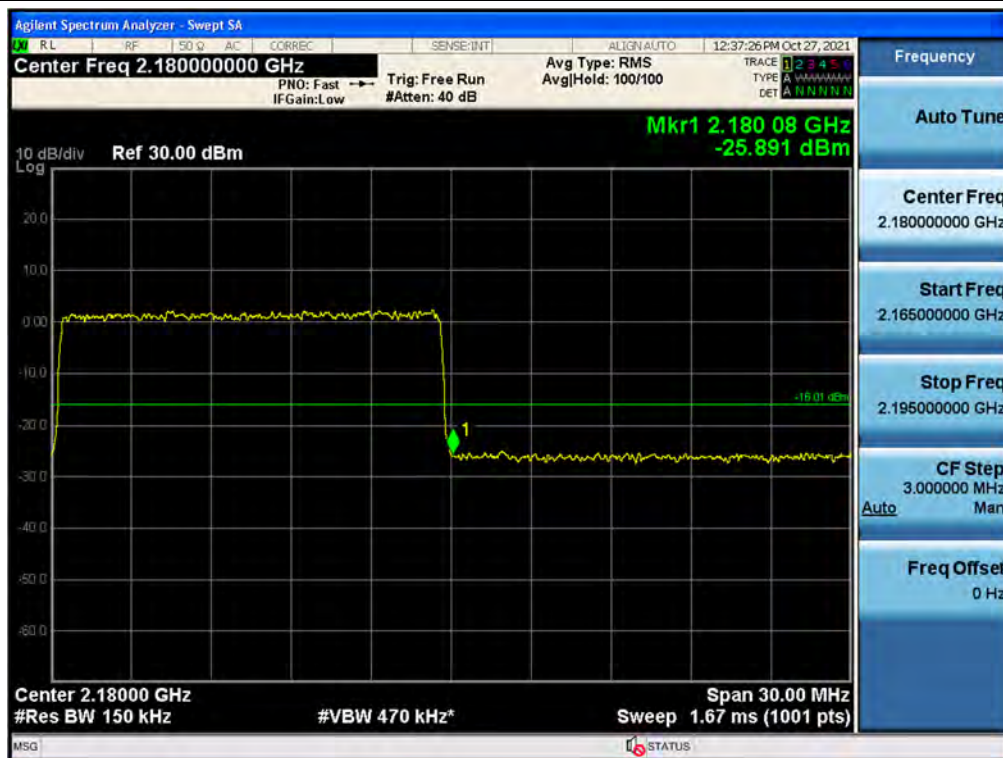
Antenna 0 / 5G NR n66 10 MHz 1 Carrier / QPSK / High



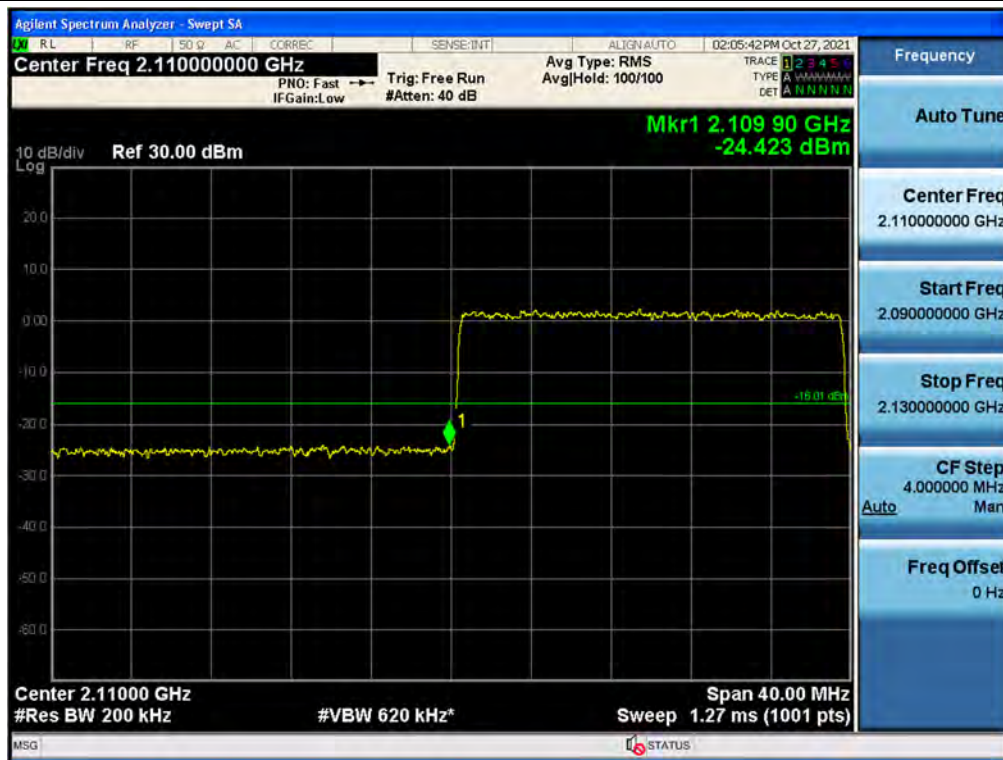
Antenna 0 / 5G NR n66 15 MHz 1 Carrier / 16QAM / Low



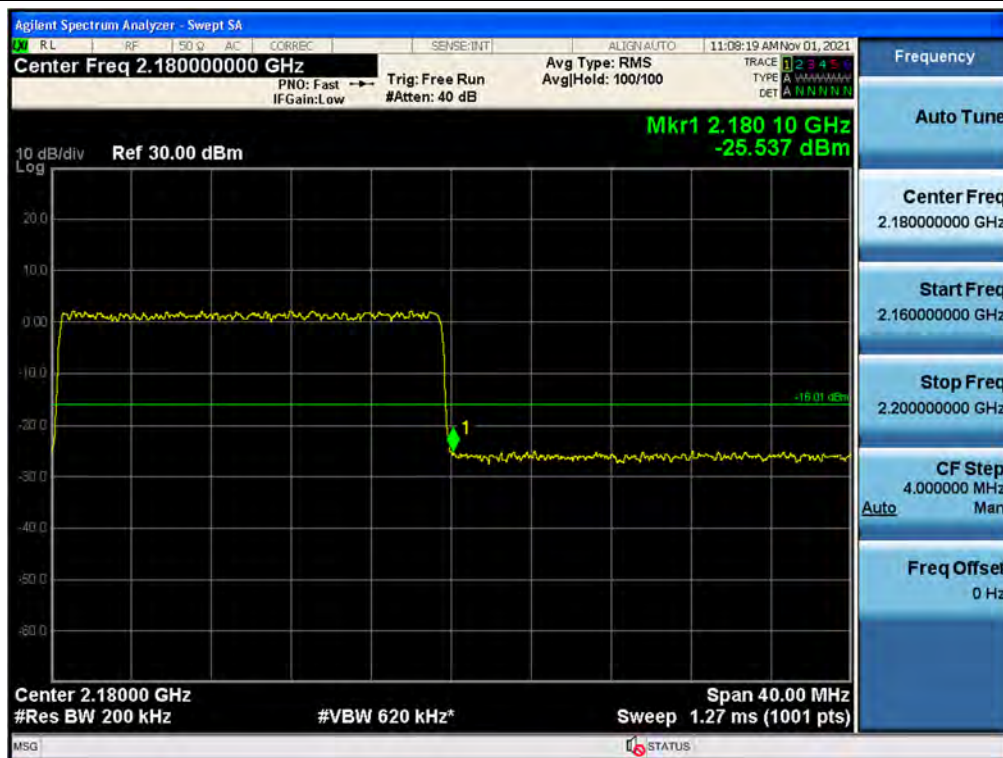
Antenna 1 / 5G NR n66 15 MHz 1 Carrier / QPSK / High



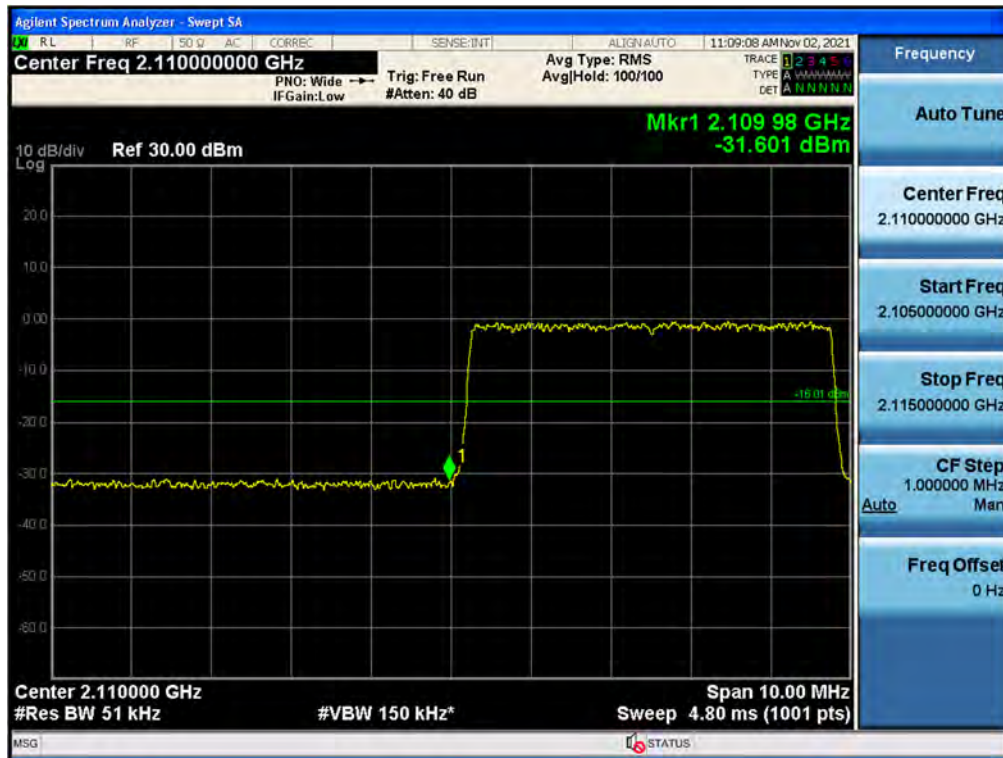
Antenna 0 / 5G NR n66 20 MHz 1 Carrier / 256QAM / Low



Antenna 1 / 5G NR n66 20 MHz 1 Carrier / QPSK / High



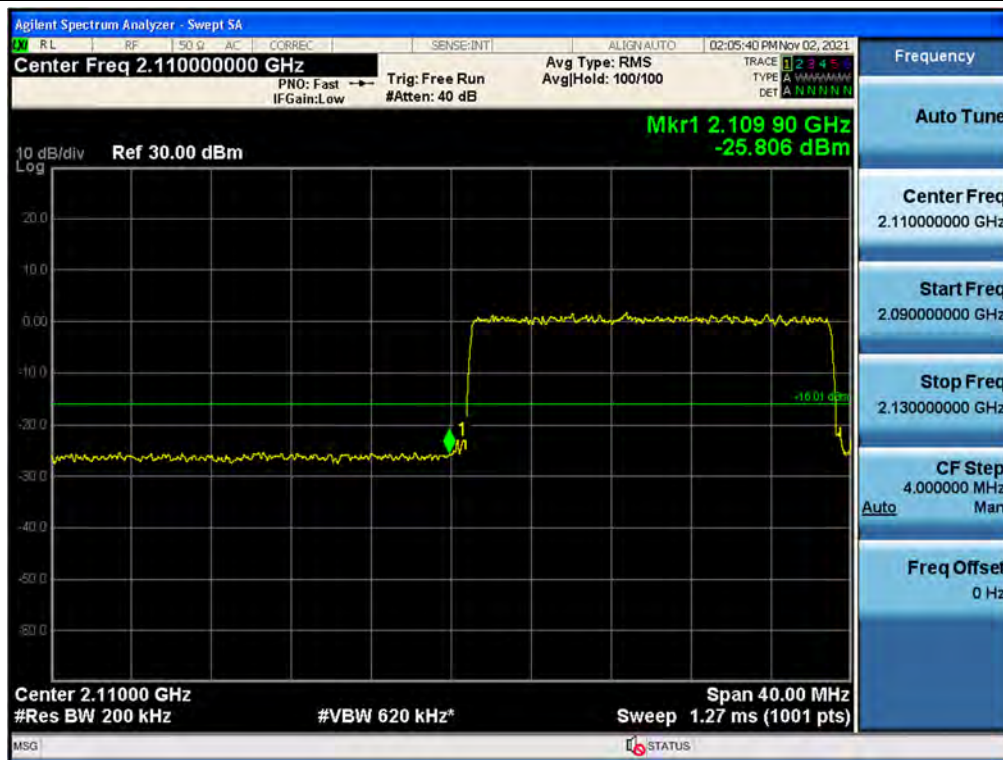
Antenna 0 / B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier] / Contiguous / QPSK / Low



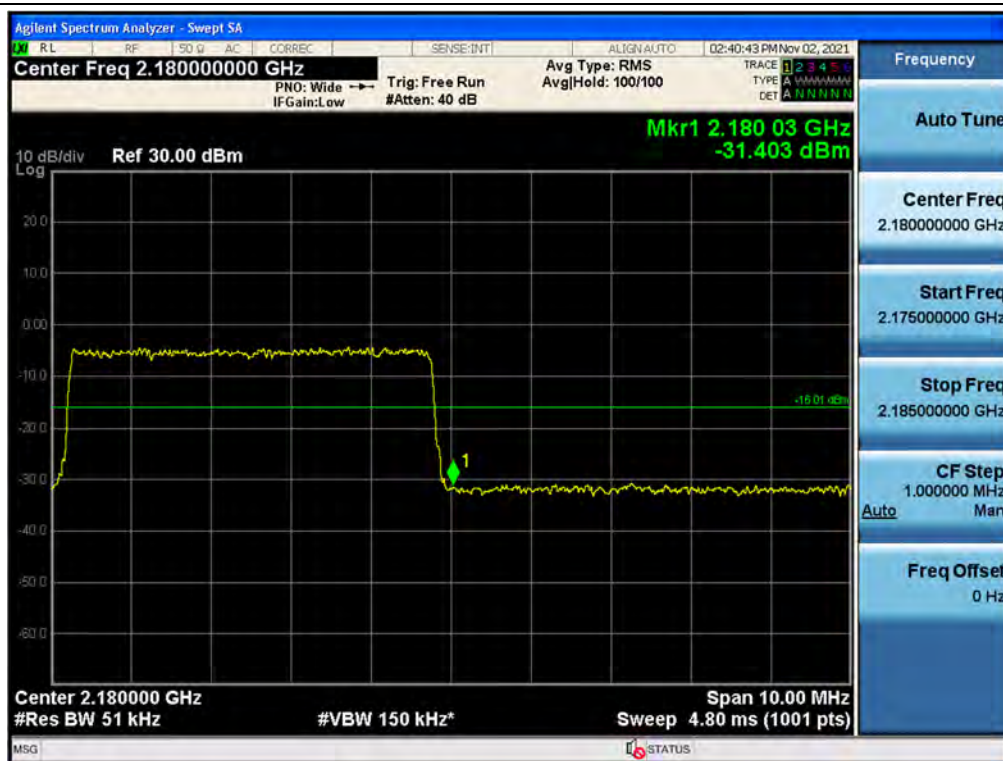
Antenna 0 / B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier] / Contiguous / 16QAM / High



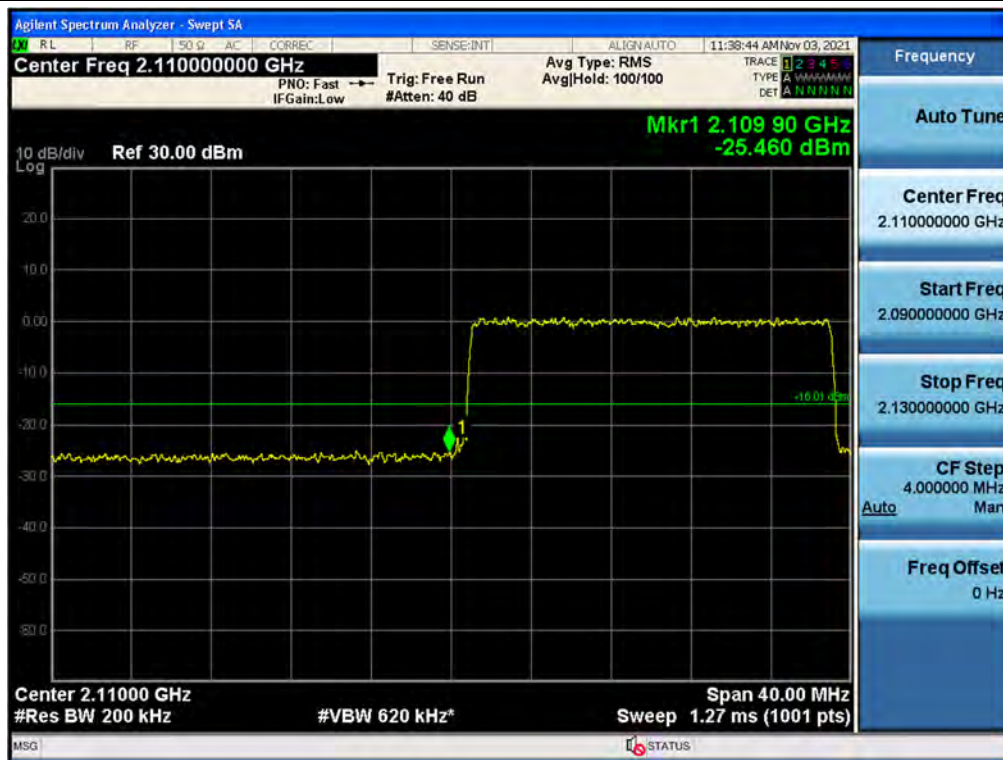
Antenna 0 / B66 LTE 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier] / Contiguous / 256QAM / Low



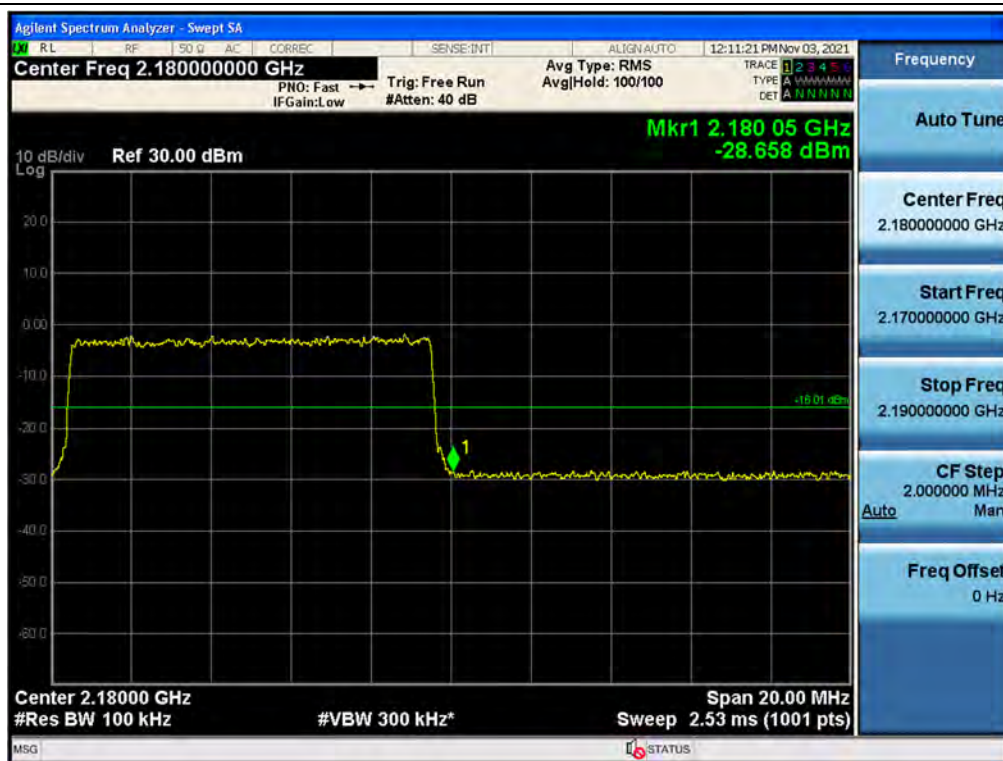
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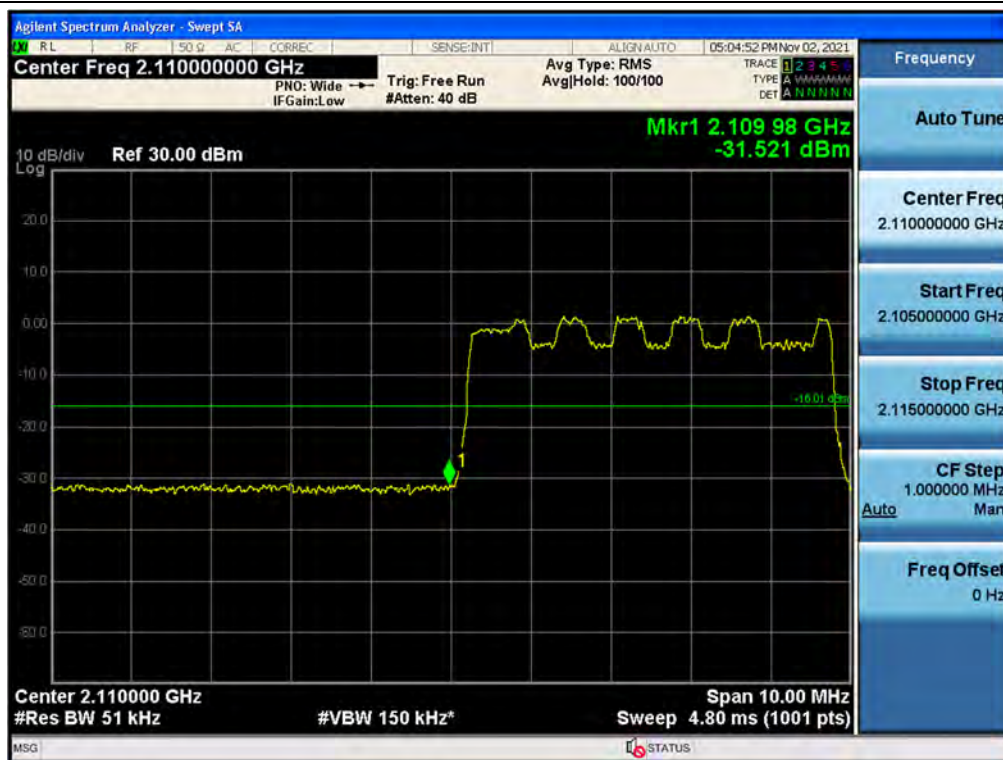
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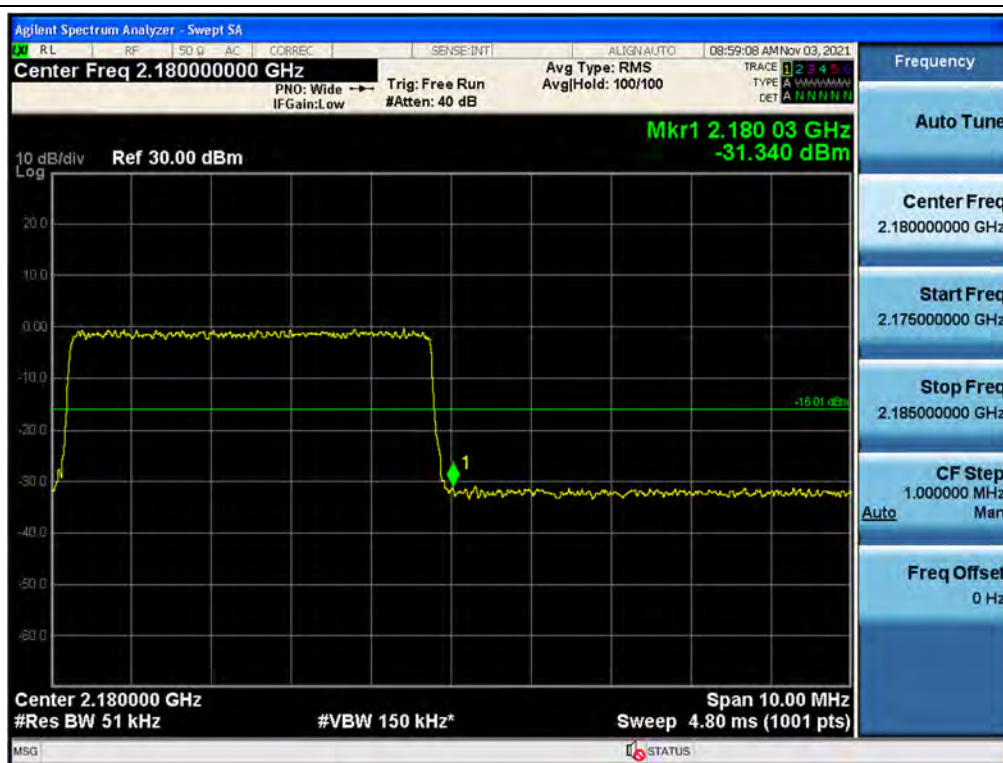
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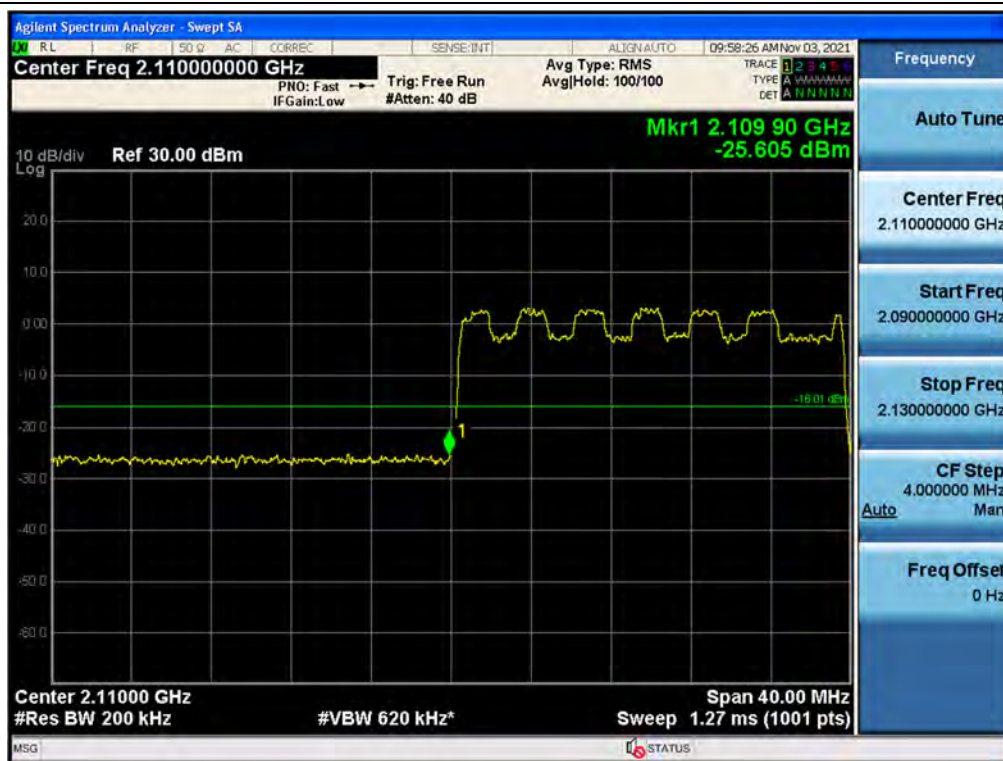
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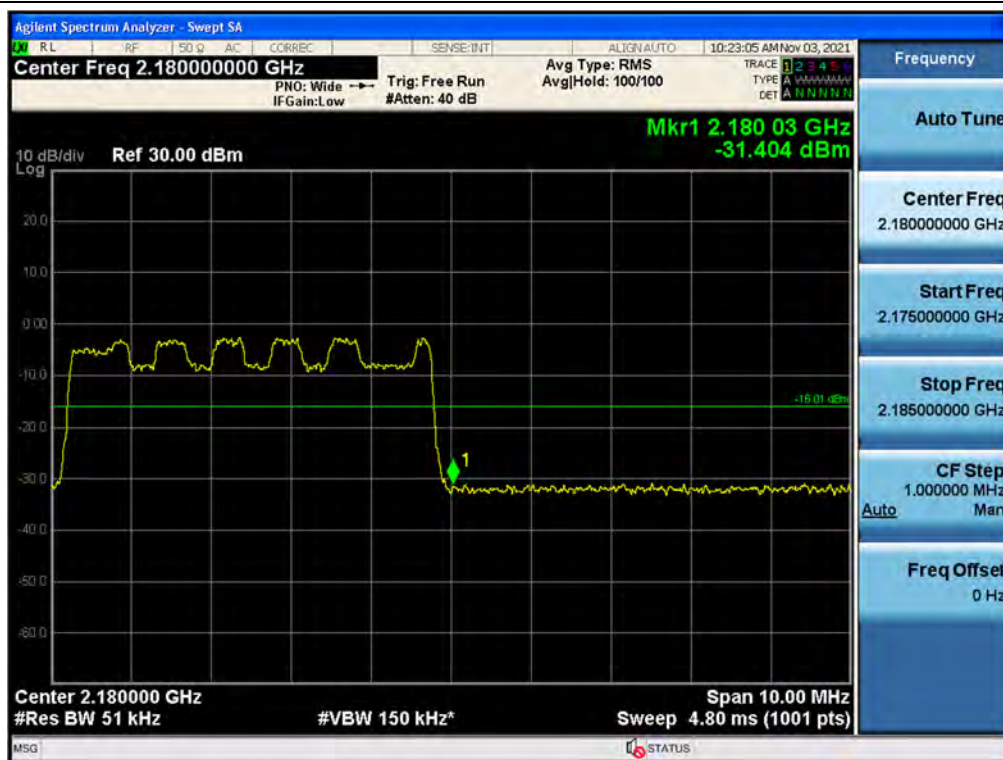
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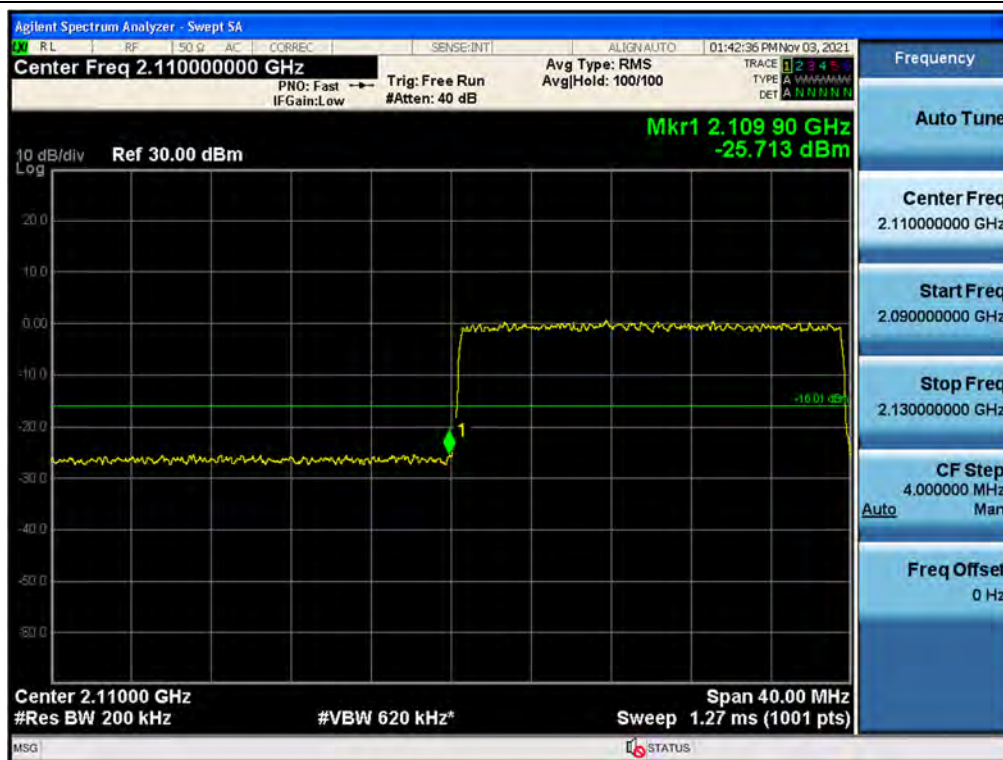
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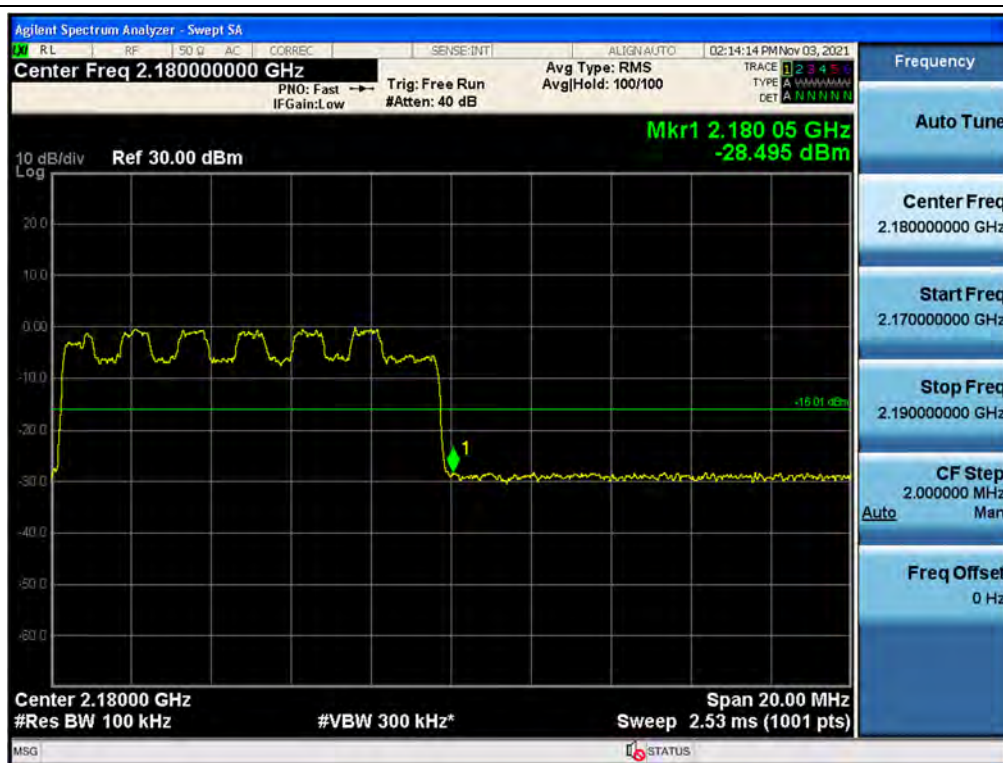
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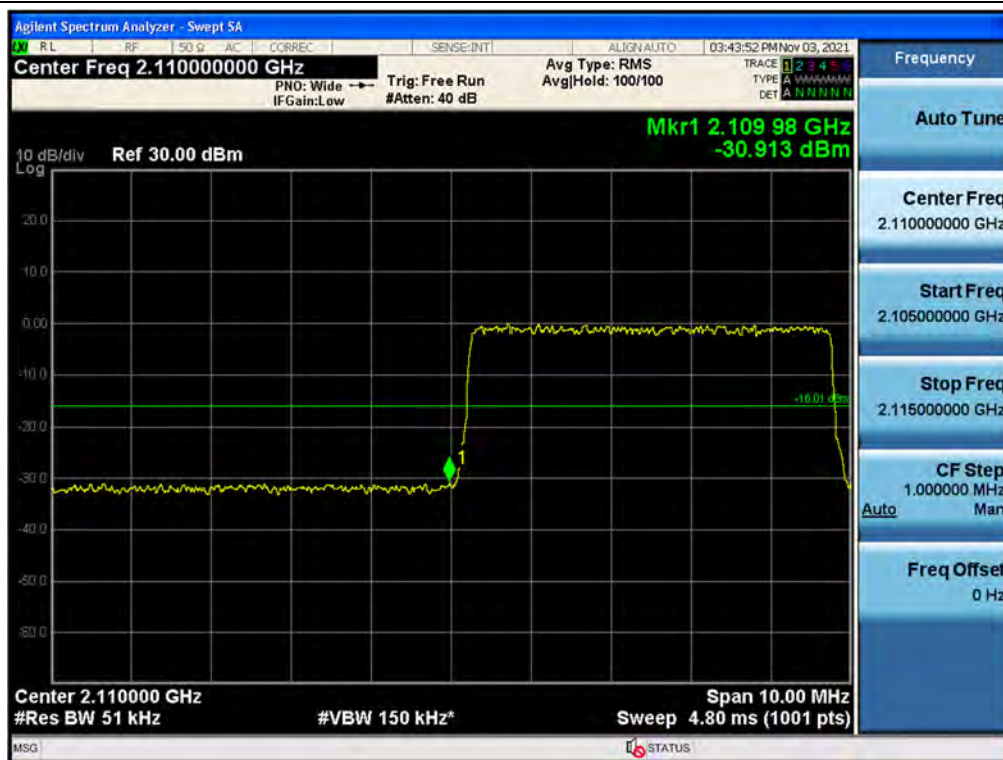
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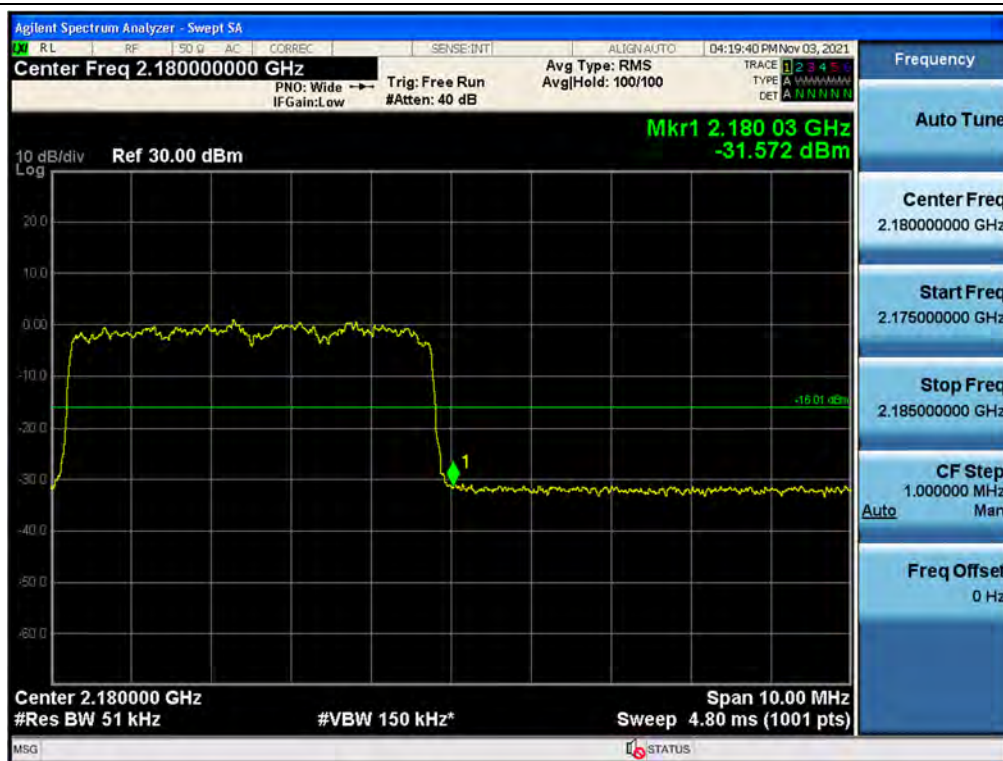
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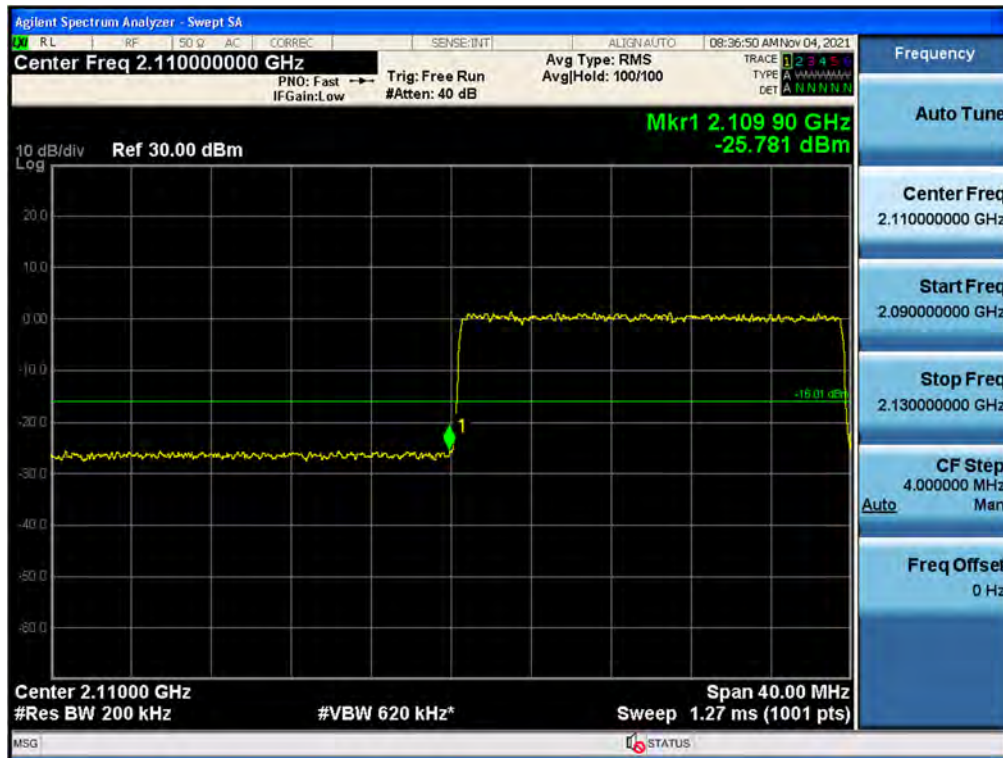
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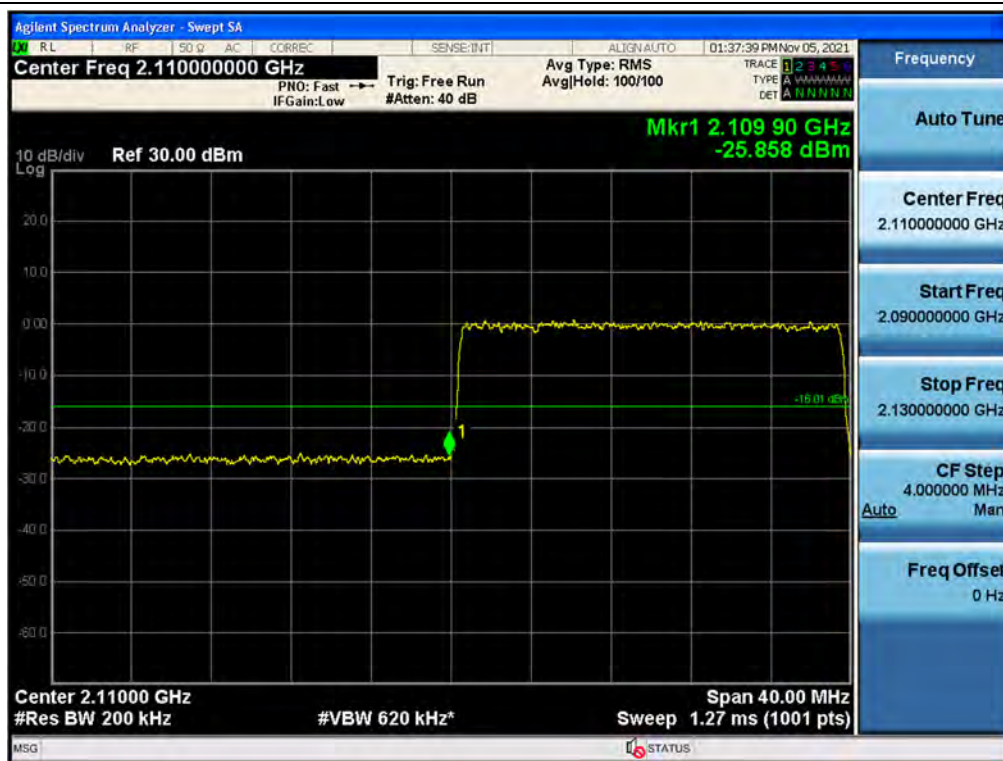
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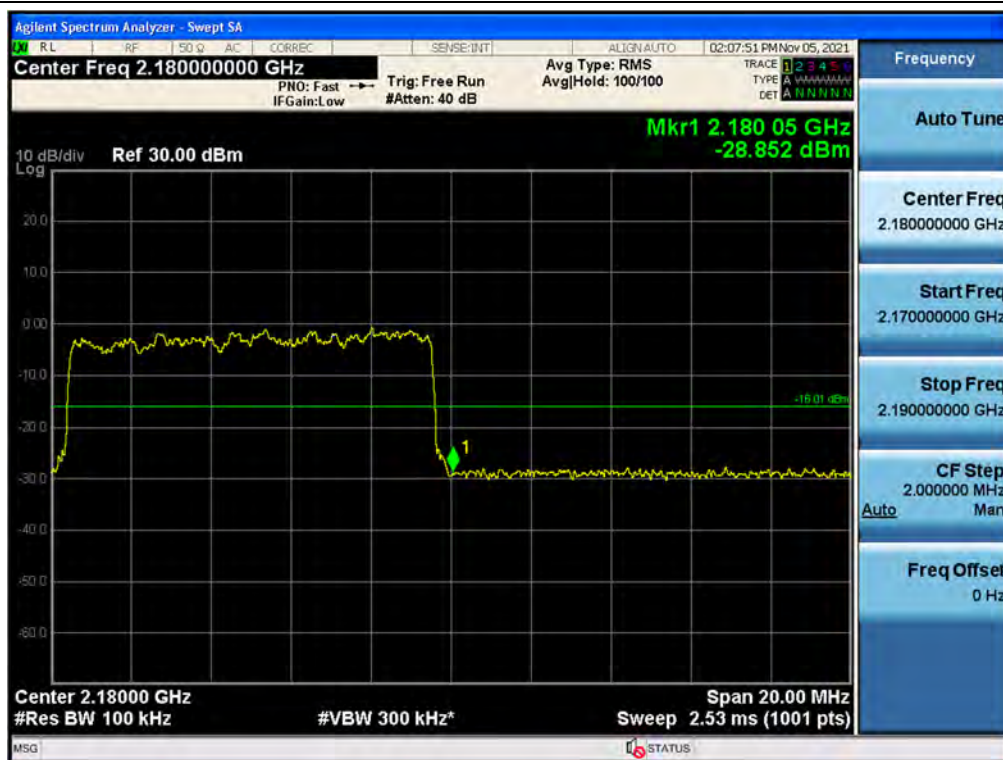
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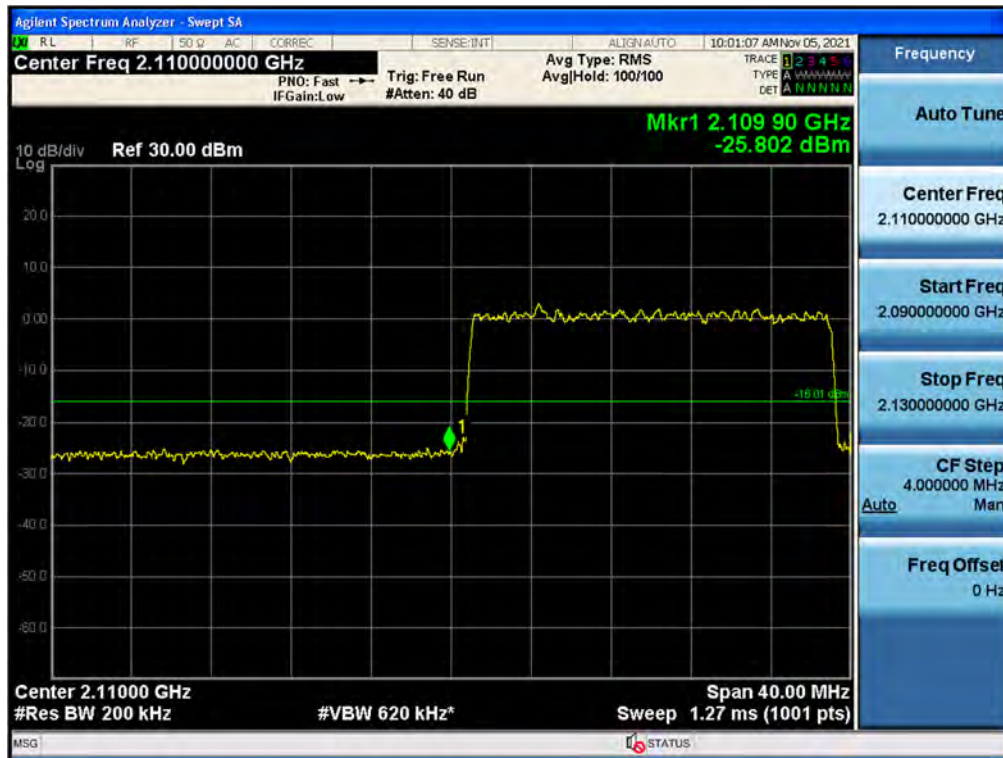
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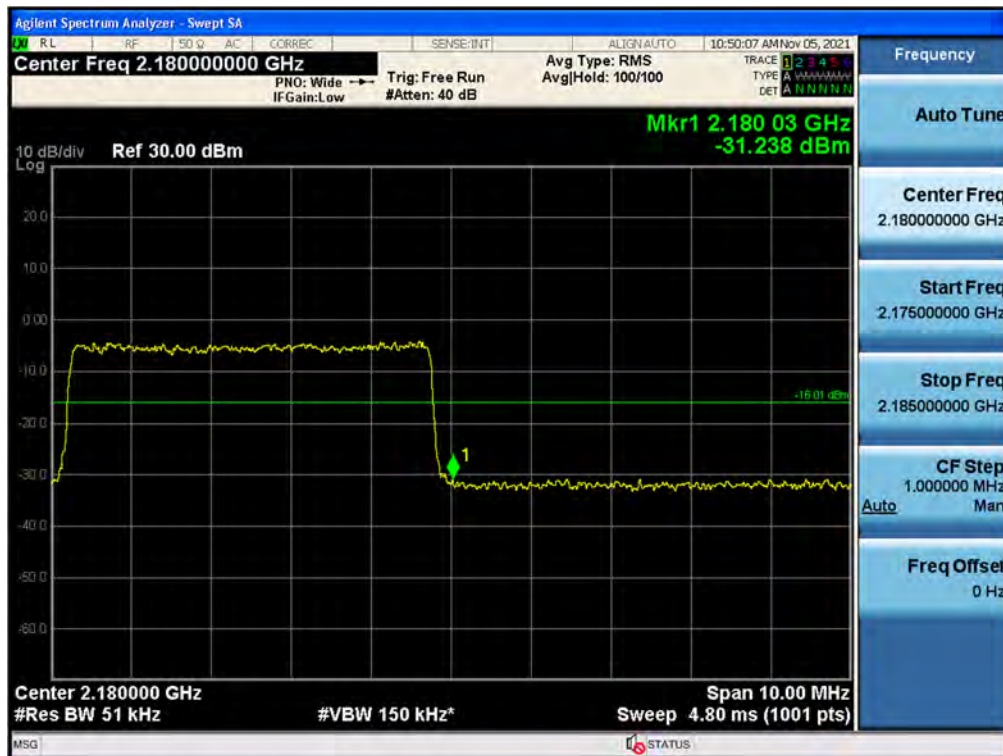
Antenna 1 / 5G NR n66 20 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier [2 Carrier] / Contiguous / 16QAM / High



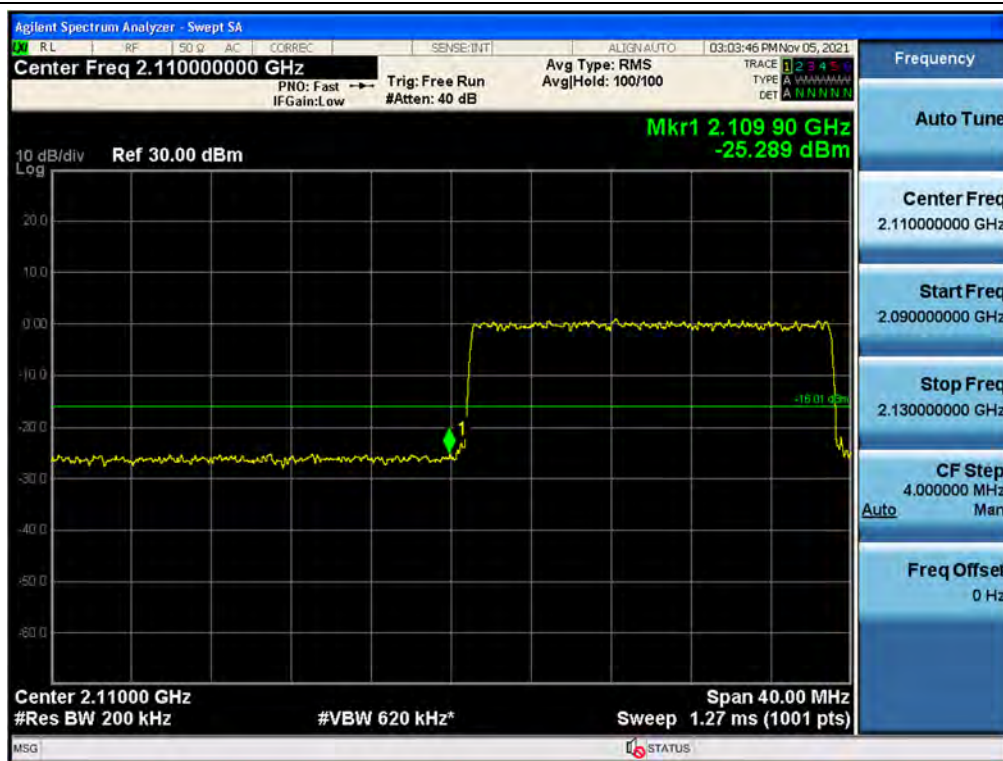
Antenna 1 / B66 LTE 20 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [2 Carrier] / Contiguous / 16QAM / Low



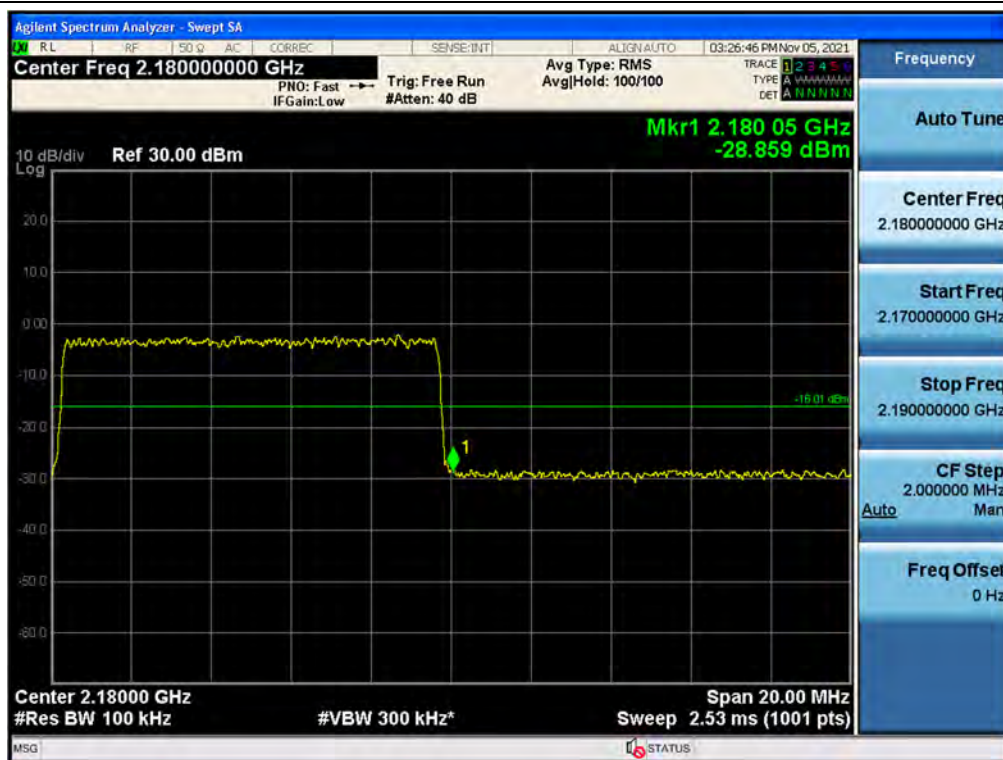
Antenna 1 / B66 LTE 20 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [2 Carrier] / Contiguous / 256QAM / High



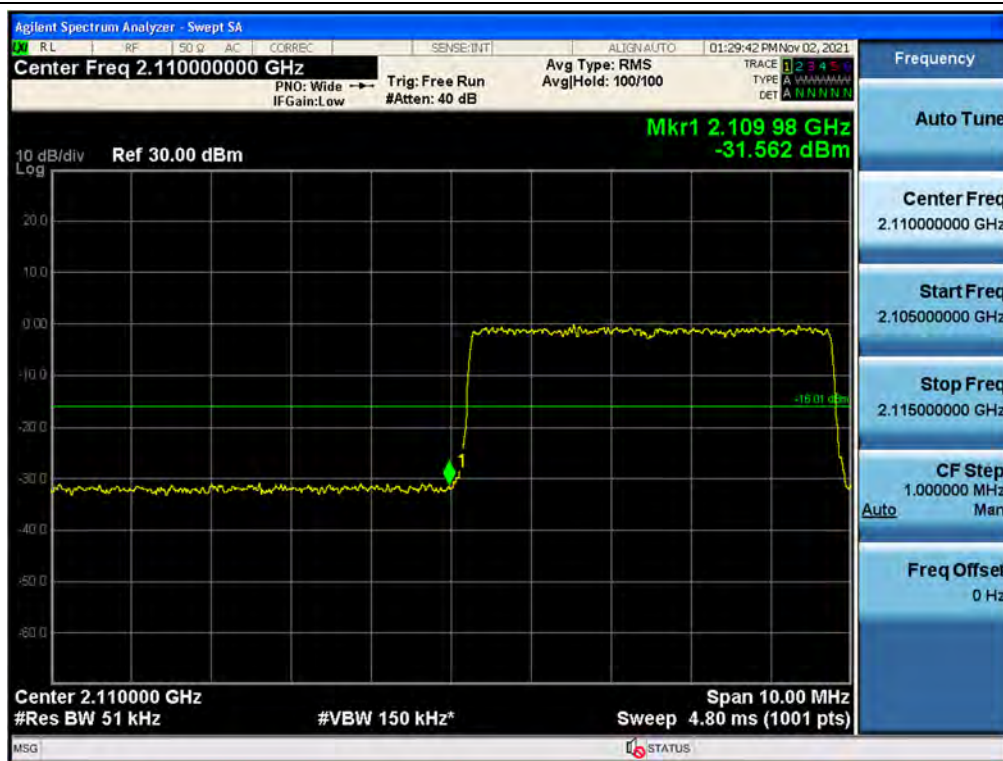
Antenna 1 / B66 LTE 20 MHz 1 Carrier + 5G NR n66 10 MHz 1 Carrier [2 Carrier] / Contiguous / 256QAM / Low



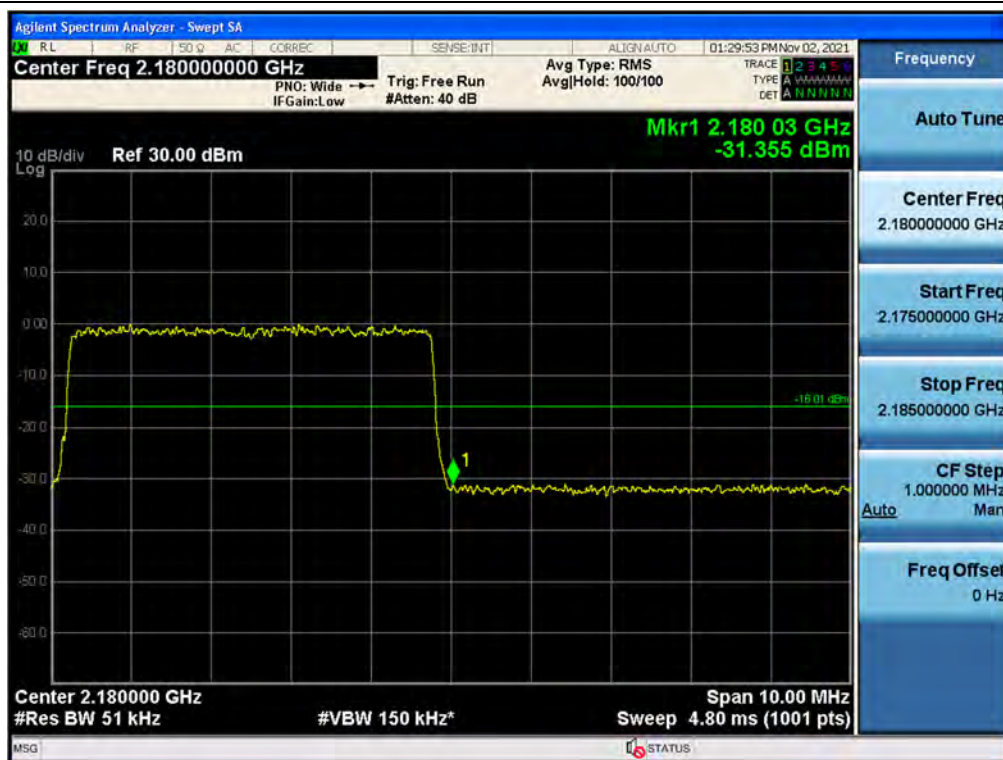
Antenna 0 / B66 LTE 20 MHz 1 Carrier + 5G NR n66 10 MHz 1 Carrier [2 Carrier] / Contiguous / QPSK / High



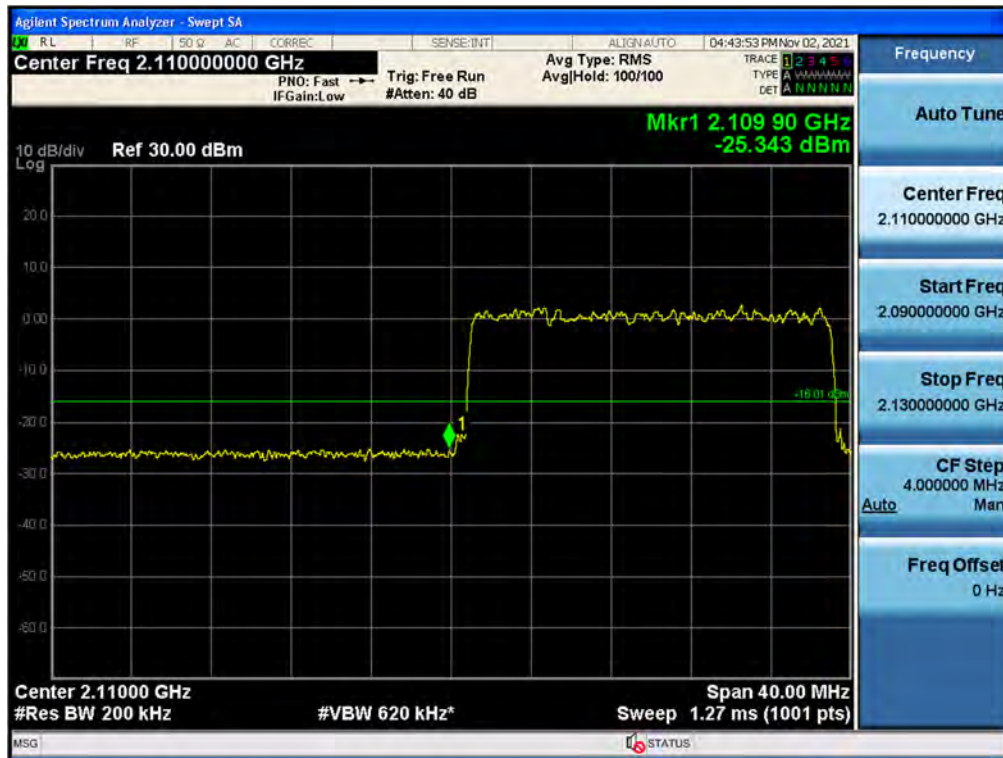
Antenna 1 / B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 64QAM / Low



Antenna 1 / B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 64QAM / High



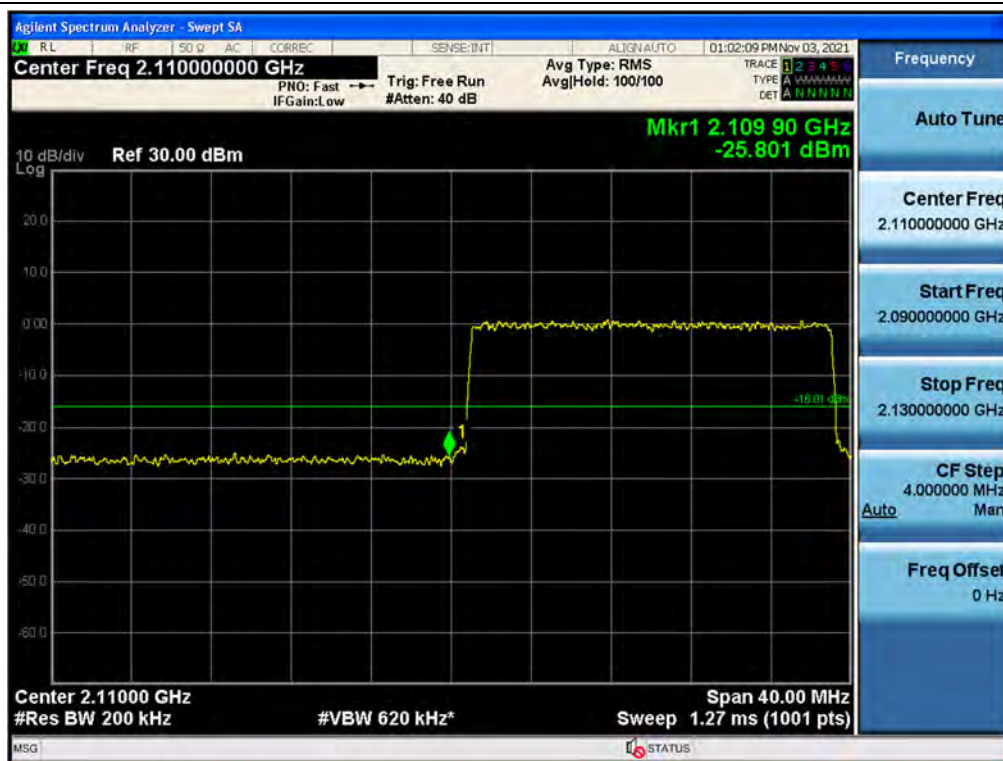
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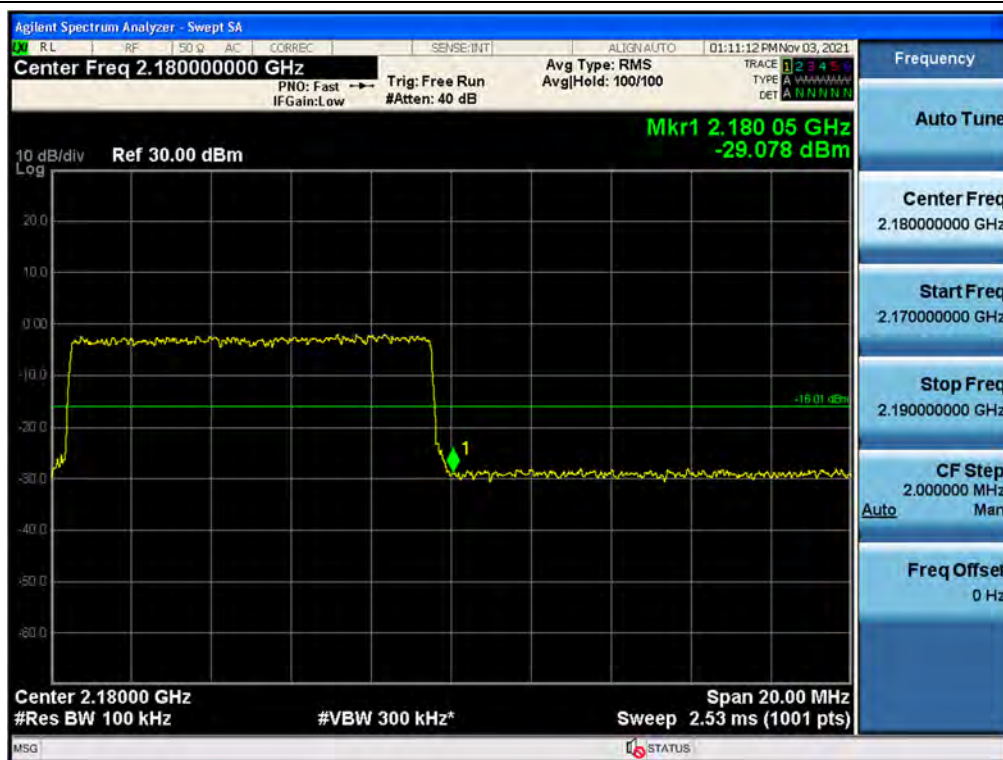
Antenna 1 / B66 LTE 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 16QAM / High



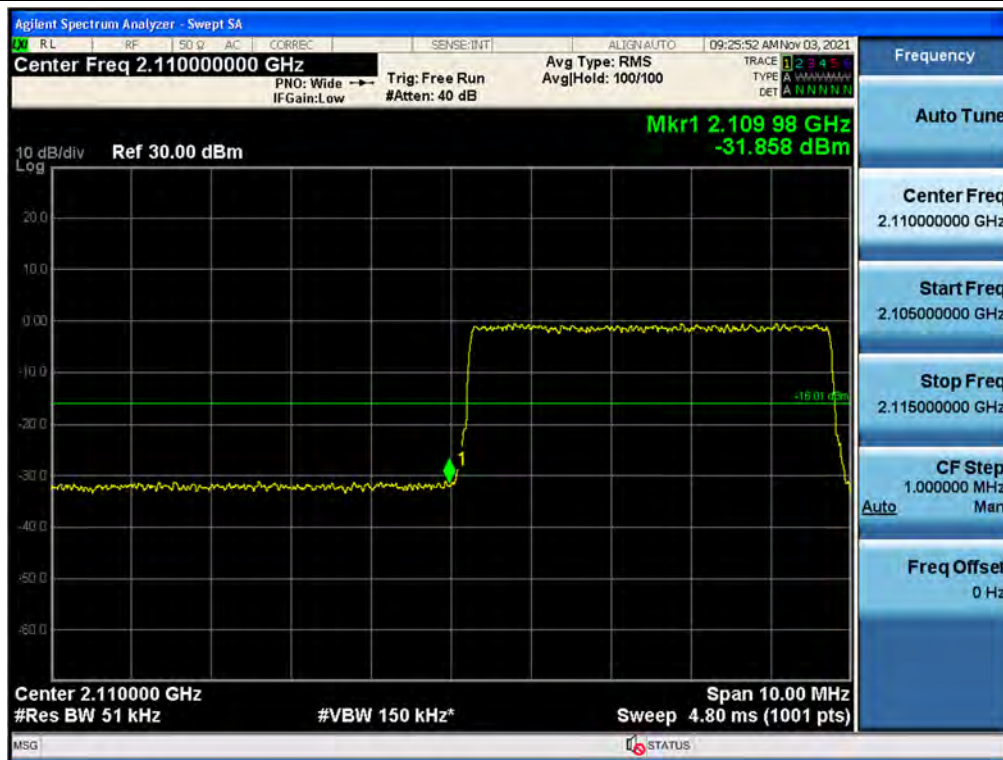
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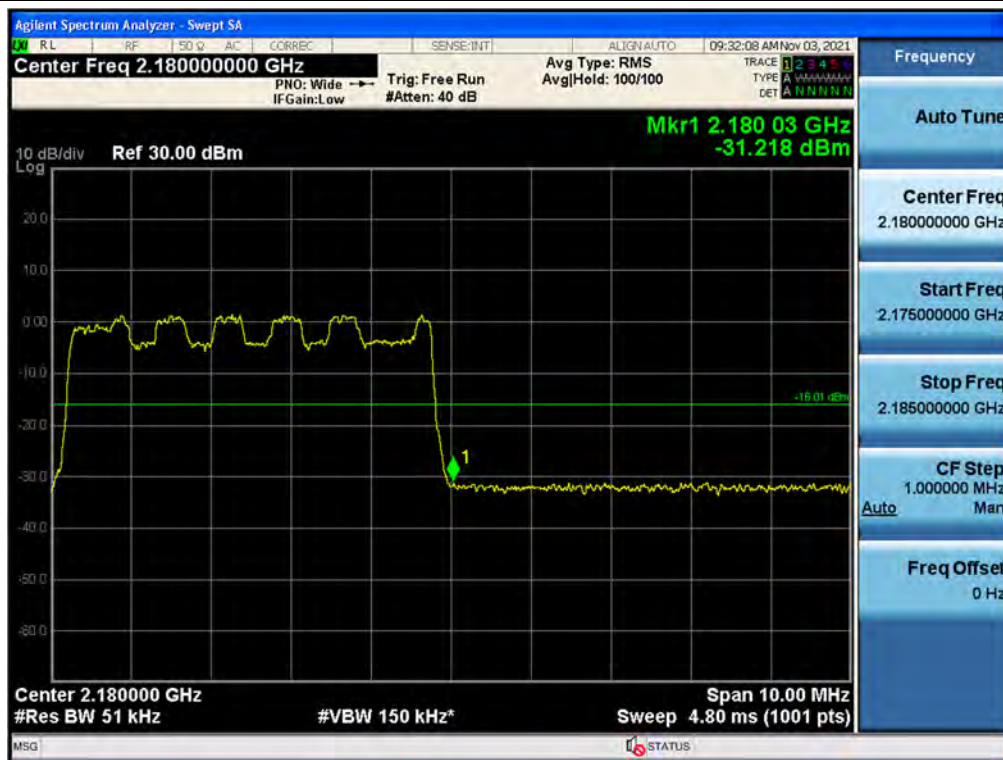
Antenna 1 / B66 LTE 20 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 64QAM / High



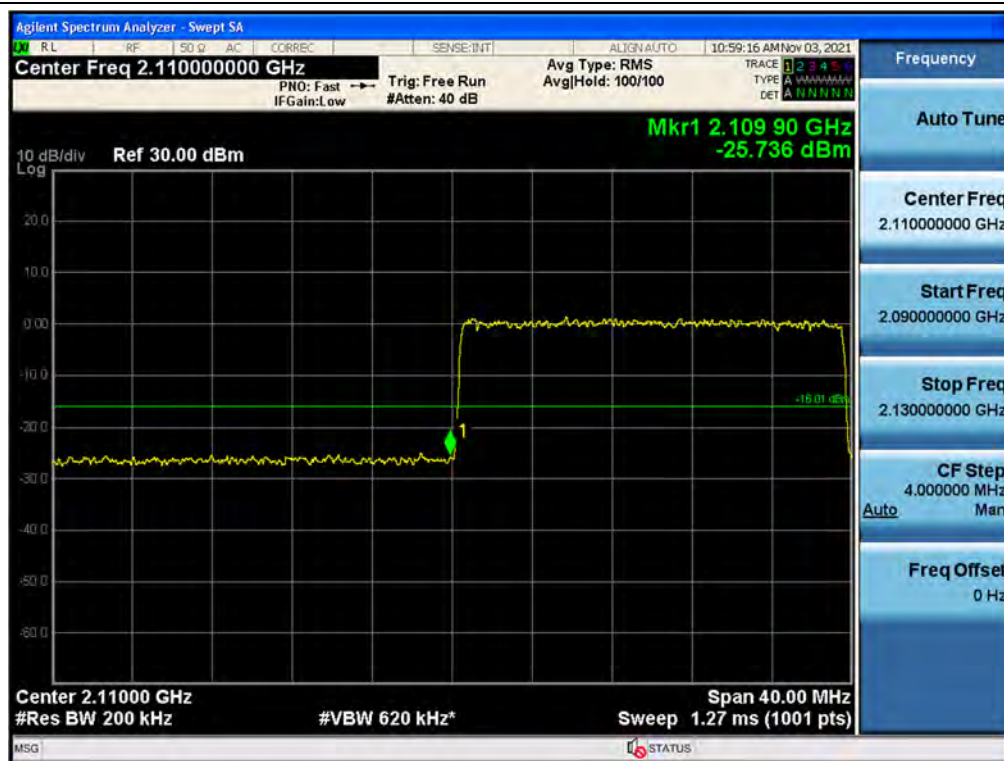
Antenna 1 / 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / QPSK / Low



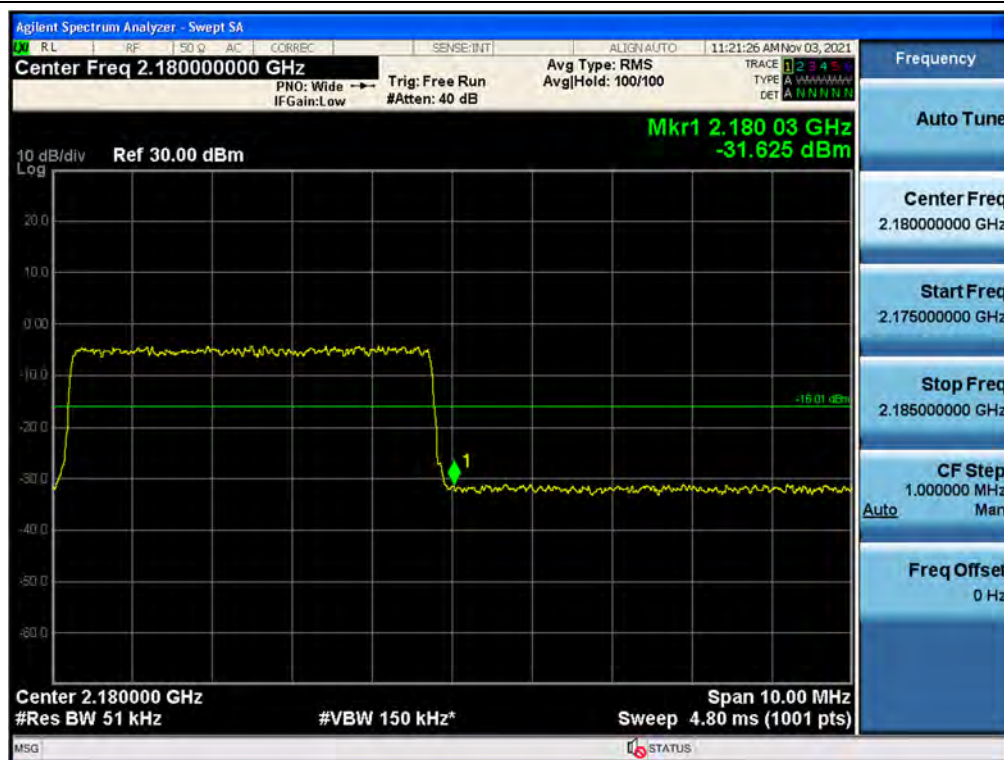
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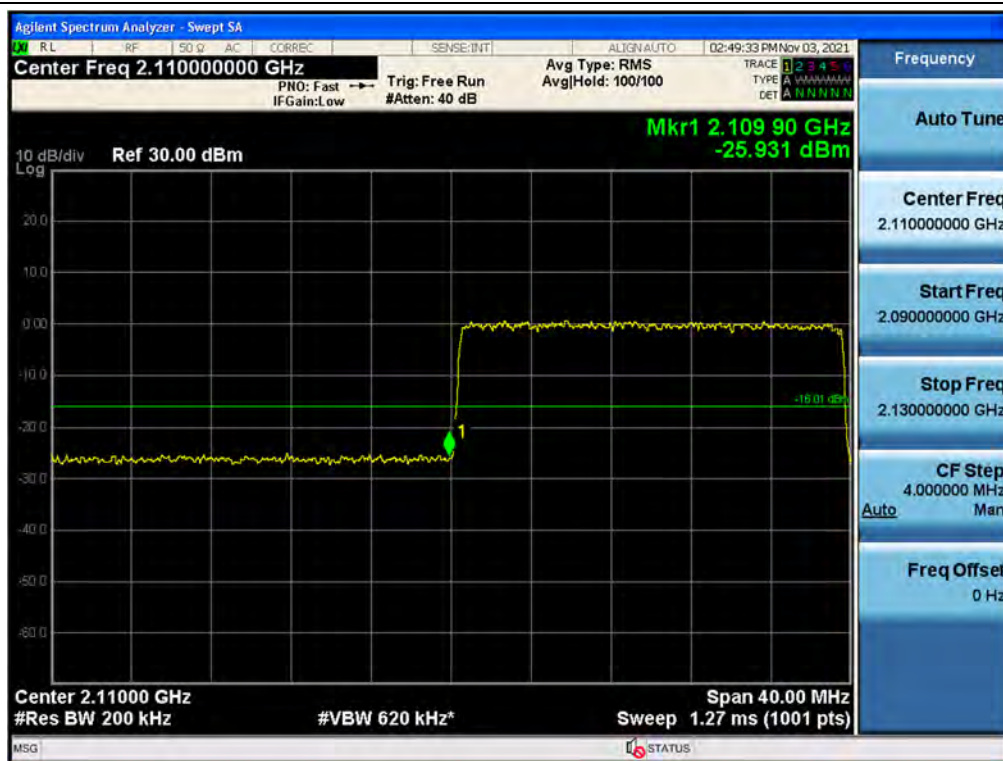
Antenna 0 / 5G NR n66 20 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / QPSK / Low



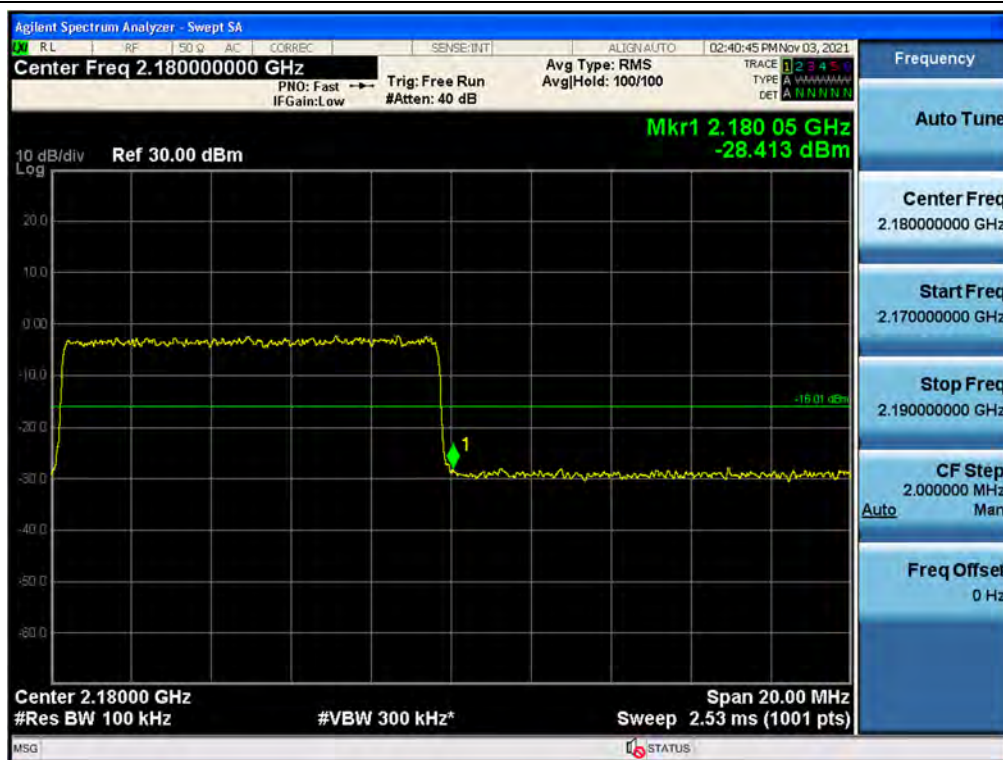
Antenna 1 / 5G NR n66 20 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 256QAM / High



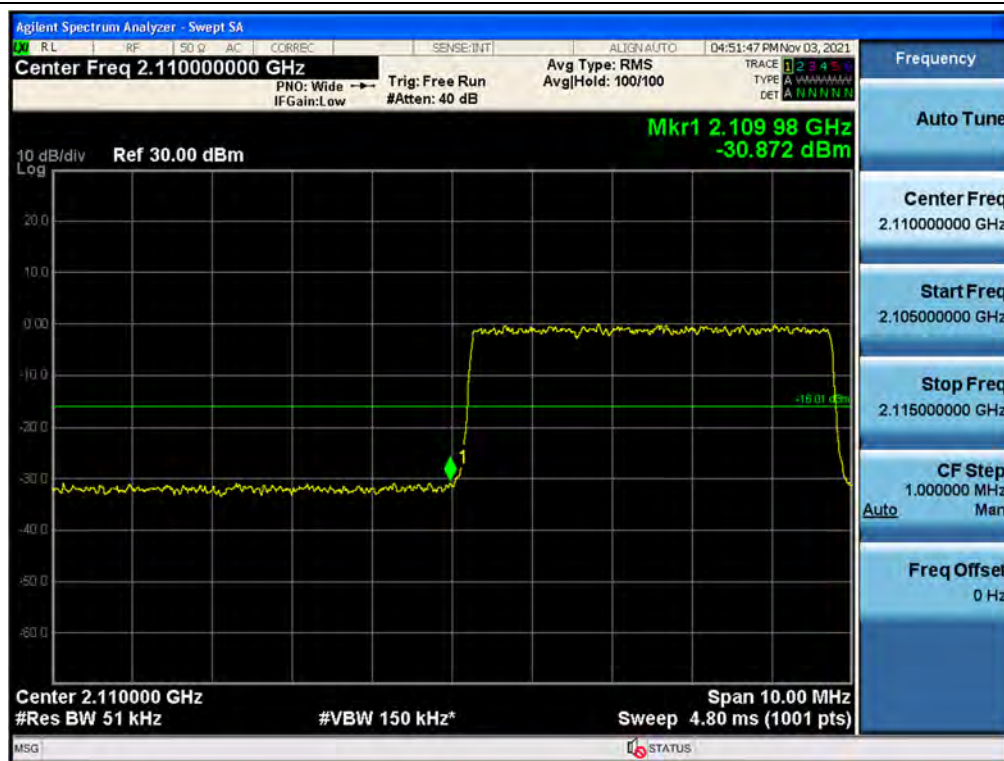
Antenna 1 / 5G NR n66 20 MHz 1 Carrier + 5G NR n66 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 256QAM / Low



Antenna 0 / 5G NR n66 20 MHz 1 Carrier + 5G NR n66 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 64QAM / High



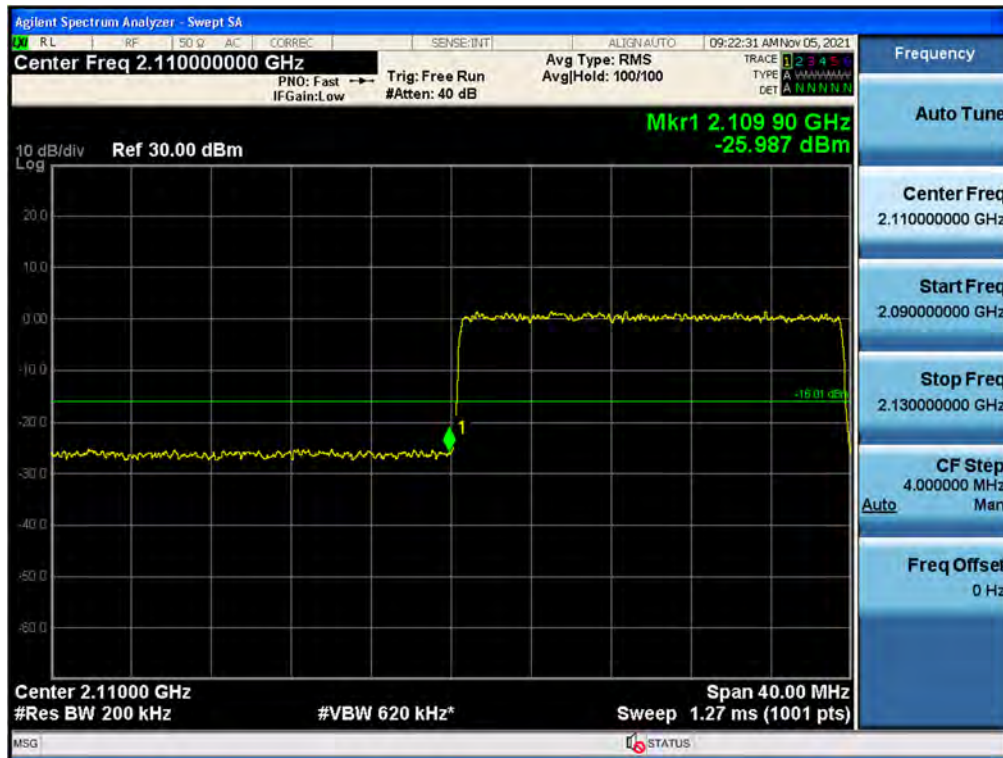
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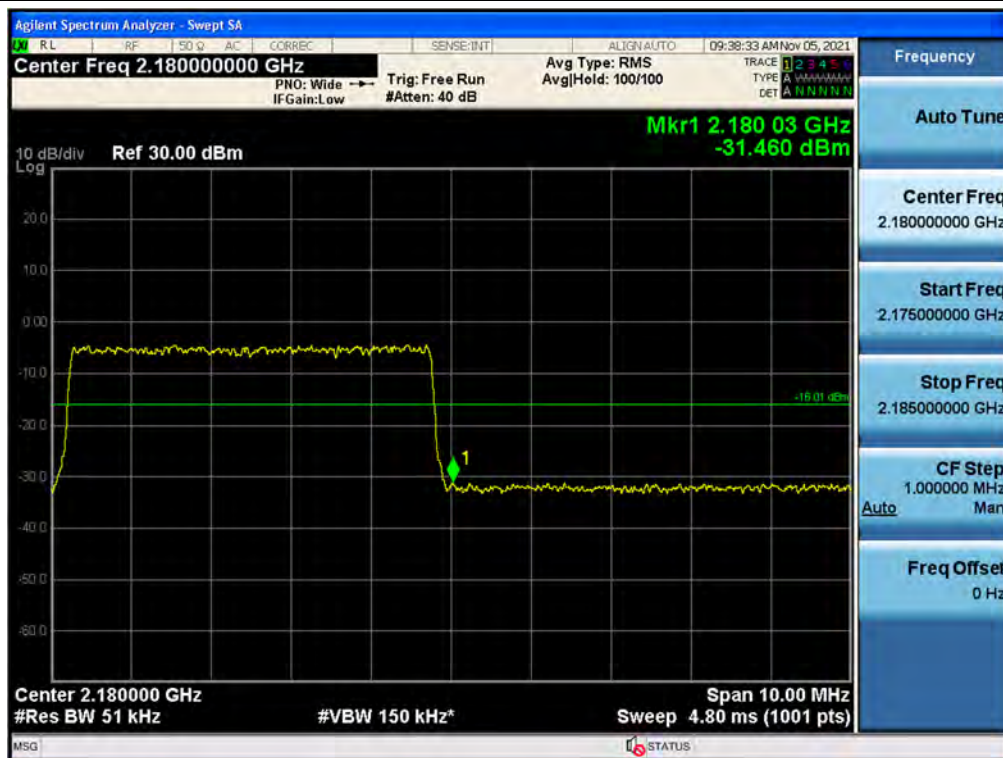
Antenna 0 / 5G NR n66 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 256QAM / High



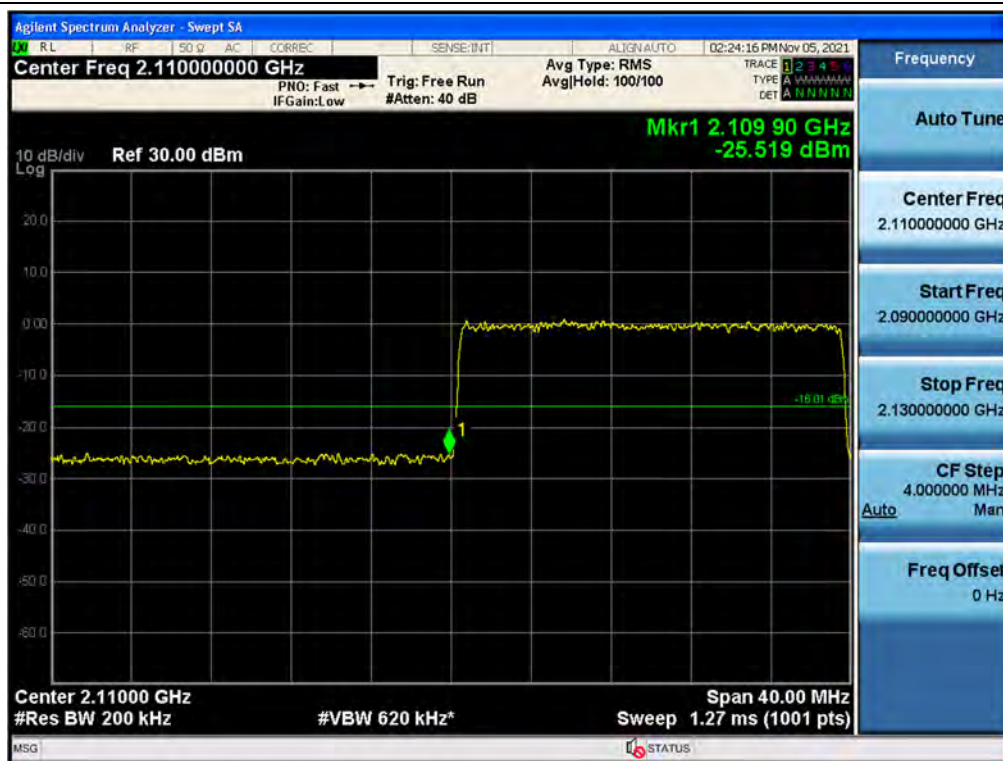
Antenna 1 / 5G NR n66 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / QPSK / Low



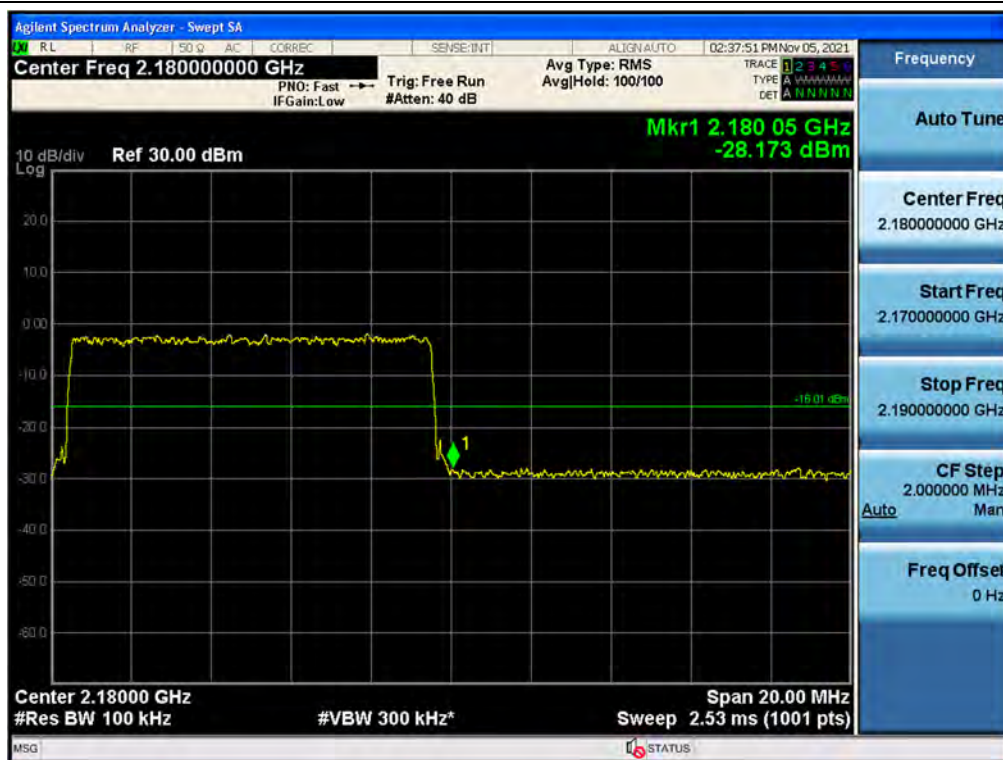
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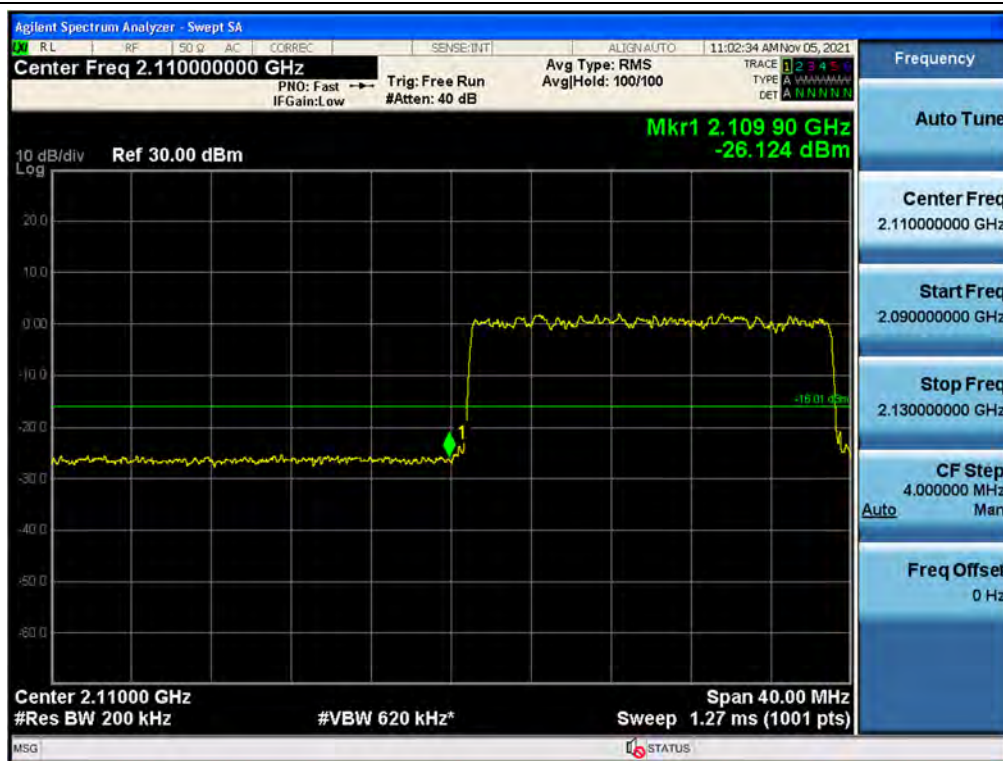
Antenna 1 / 5G NR n66 20 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / QPSK / Low



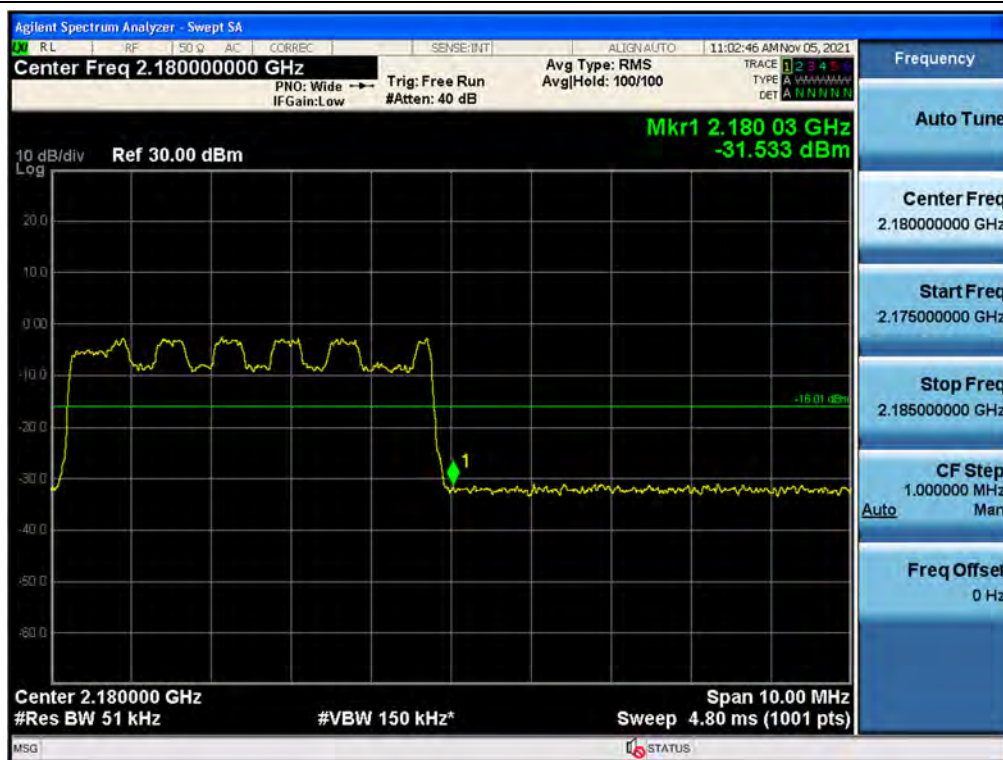
Antenna 1 / 5G NR n66 20 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 64QAM / High



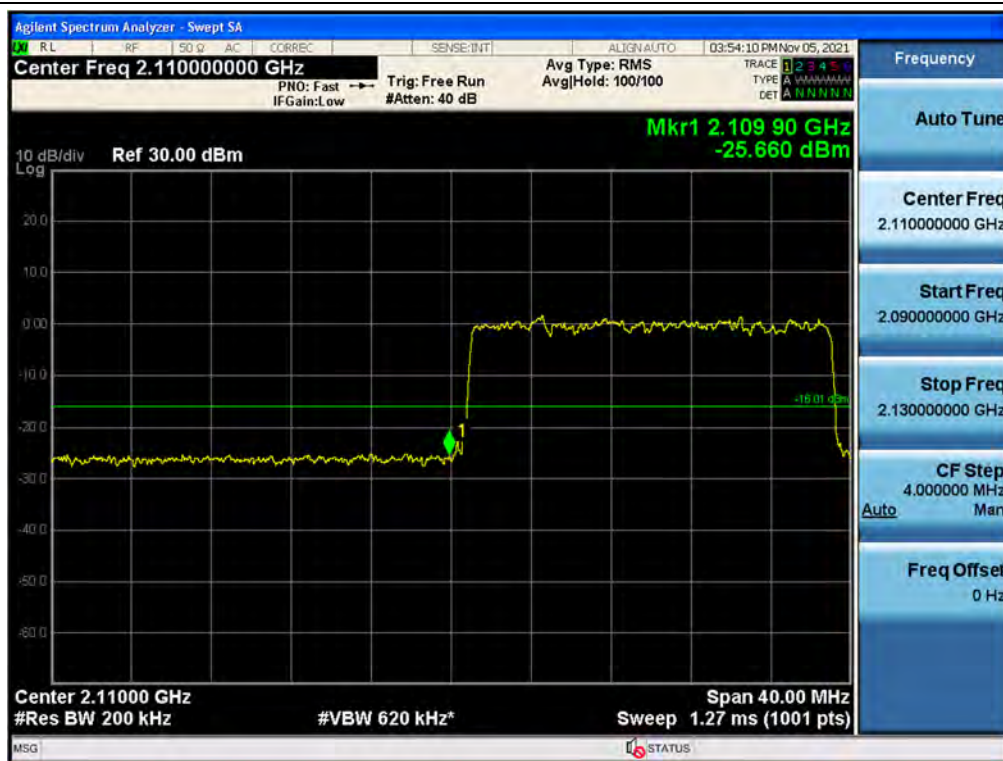
Antenna 0 / B66 LTE 20 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 16QAM / Low



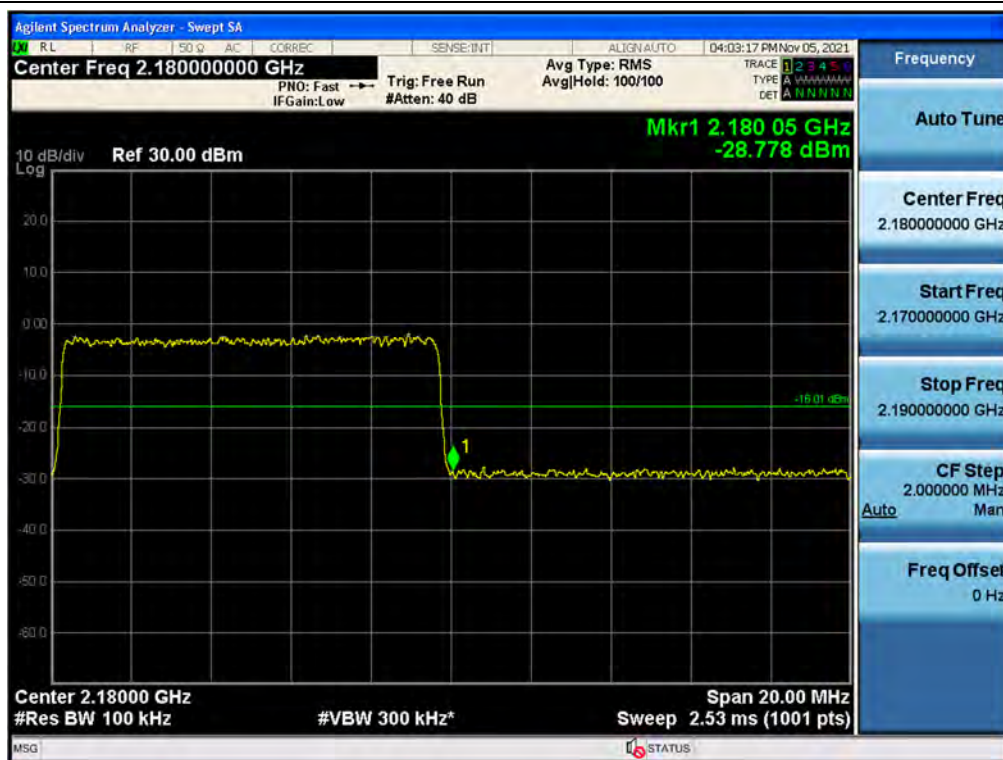
Antenna 0 / B66 LTE 20 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 16QAM / High



Antenna 0 / B66 LTE 20 MHz 1 Carrier + 5G NR n66 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 16QAM / Low



Antenna 1 / B66 LTE 20 MHz 1 Carrier + 5G NR n66 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 64QAM / High



5.5. SPURIOUS UNWANTED EMISSIONS

Test Requirements:

§ 2.1051 Measurements required: Spurious emissions at antenna terminals.

The radio frequency voltage or powers generated within the equipment and appearing on a spurious frequency shall be checked at the equipment output terminals when properly loaded with a suitable artificial antenna. Curves or equivalent data shall show the magnitude of each harmonic and other spurious emission that can be detected when the equipment is operated under the conditions specified in § 2.1049 as appropriate. The magnitude of spurious emissions which are attenuated more than 20 dB below the permissible value need not be specified.

§ 27.53 Emission limits.

- (c) For operations in the 746-758 MHz band and the 776-788 MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:
- (1) On any frequency outside the 746-758 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log (P)$ dB;
 - (2) On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log (P)$ dB;
 - (3) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $76 + 10 \log (P)$ dB in a 6.25 kHz band segment, for base and fixed stations;
 - (4) Omitted
 - (5) Compliance with the provisions of paragraphs (c)(1) and (c)(2) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed;
 - (6) Compliance with the provisions of paragraphs (c)(3) and (c)(4) of this section is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.
- (f) For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.
- (h) AWS emission limits
- (1) General protection levels. Except as otherwise specified below, for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10} (P)$ dB.
 - (3) Measurement procedure.
 - (i) Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's

frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

- (ii) When measuring the emission limits, the nominal carrier frequency shall be adjusted as close to the licensee's frequency block edges, both upper and lower, as the design permits.
- (iii) The measurements of emission power can be expressed in peak or average values, provided they are expressed in the same parameters as the transmitter power.

Test Procedures:

The measurement is performed in accordance with Section 5.7.4 of ANSI C63.26.

5.7.4 Spurious unwanted emission measurements

- a) Set the spectrum analyzer start frequency to the lowest frequency generated by the EUT, without going below 9 kHz, and the stop frequency to the lower frequency covered by the measurements previously performed in 5.7.3. As an alternative, the stop frequency can be set to the value specified in 5.1.1, depending on the EUT operating range, if the resulting plot can clearly demonstrate compliance for all frequencies not addressed by the out-of-band emissions measurements performed as per 5.7.3.
- b) When using an average power (rms) detector, ensure that the number of points in the sweep $\geq 2 \times (\text{span} / \text{RBW})$. This may require that the measurement range defined by the start and stop frequencies be subdivided, depending on the spectrum analyzer capabilities. This requirement does not apply to peak-detected power measurements. When average power is specified by the applicable regulation, a peak-detector can be utilized for preliminary measurements to accommodate wider frequency spans. Any emissions found in the preliminary measurement to exceed the applicable limit(s) shall be further examined using a power averaging (rms) detector with the minimum number of measurement points as defined above.
- c) The sweep time should be set to auto-couple for performing peak-detector measurements. For measurements that use a power averaging (rms) detector, the sweep time shall be set as described for out-of-band emissions measurements in item d) of 5.7.3.
- d) Identify and measure the Highest spurious emission levels in each frequency range. It is not necessary to re-measure the out-of-band emissions as a part of this test. Record the frequencies and amplitudes corresponding to the measured emissions and capture the data plots.
- e) Repeat step b) through step d) for the upper spurious emission frequency range if not already captured by a wide span measurement performed as per the alternative provided in step a). The upper frequency for this measurement is defined in 5.1.1 as a function of the EUT operating range.
- f) Compare the results with the corresponding limit in the applicable regulation.
- g) The test report shall include the data plots of the measuring instrument display and the measured data.

Note:

1. In 9 kHz to 30 MHz band, RBW narrower than reference bandwidth is used. So following correction factor is applied.
- $10 \log [(reference\ bandwidth)/(resolution\ bandwidth)]$
: 9 kHz to 150 kHz applied 1 kHz RBW, $10 \log (1\ kHz / 100\ kHz) = -20\ dB$
 $10 \log (1\ kHz / 1\ MHz) = -30\ dB$
: 150 kHz to 30 MHz applied 10 kHz RBW, $10 \log (10\ kHz / 100\ kHz) = -10\ dB$
 $10 \log (10\ kHz / 1\ MHz) = -20\ dB$
2. Due to MIMO operations, a correction has been added to the limit according to KDB 662911 D01 v02r01.
- 2Tx MIMO correction: $10 \log(N_{ANT}) = 10 \log(2) = 3.01\ dB$ // $-13\ dBm - 10 * \log(2) = -16.01\ dBm$
3. The results of the Additional 1559-1610 MHz (E.I.R.P.) has been added to peak antenna gain.
4. The results of the Spurious Unwanted Emissions shown above the frequency measured values are very small and similar trend for each port, so we are attached only the worst case plot.

Test Results:
Tabular Data of Spurious Unwanted Emissions

B13 LTE 5 MHz 1 Carrier

Test Result for Output Port 0

Mod.	Channel	Measured Level (dBm)								
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge - 100 MHz	Low Edge - 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 2 GHz	2 GHz ~ 4 GHz	4 GHz ~ 6 GHz	6 GHz ~ 8 GHz
QPSK	Low	-29.941	-36.221	-47.377	-40.706	-40.274	-45.732	-59.573	-57.836	-58.182
	Middle	-29.355	-35.119	-46.893	-40.643	-40.170	-45.232	-59.801	-57.973	-57.871
	High	-31.019	-35.904	-47.030	-40.605	-40.272	-45.601	-59.859	-57.832	-58.124
16QAM	Low	-29.460	-34.874	-47.063	-40.730	-40.206	-45.509	-59.665	-57.872	-58.146
	Middle	-30.952	-35.925	-46.561	-40.572	-40.265	-45.830	-59.394	-57.470	-57.769
	High	-30.599	-34.319	-47.561	-40.564	-40.190	-45.278	-60.115	-57.971	-58.043
64QAM	Low	-28.600	-35.929	-46.533	-40.648	-40.245	-45.748	-60.074	-57.744	-57.726
	Middle	-30.021	-35.121	-46.868	-40.543	-40.148	-45.091	-59.791	-58.191	-58.200
	High	-30.447	-35.705	-46.902	-40.653	-40.220	-45.283	-60.123	-57.893	-58.178
256QAM	Low	-29.958	-35.532	-47.214	-40.677	-40.213	-45.869	-59.794	-58.015	-58.109
	Middle	-29.767	-35.851	-47.092	-40.769	-40.377	-45.455	-59.403	-57.520	-58.217
	High	-31.463	-35.679	-47.255	-40.434	-39.948	-45.497	-59.201	-57.647	-57.563

Mod.	Channel	Measured Level (dBm)		
		Additional 763-775 MHz	Additional 793-805 MHz	Additional 1559-1610 MHz (E.I.R.P.)
QPSK	Low	-70.133	-69.755	-55.613
	Middle	-69.981	-69.876	-54.668
	High	-69.565	-69.594	-54.630
16QAM	Low	-69.298	-69.644	-55.700
	Middle	-69.495	-69.325	-54.459
	High	-69.656	-69.891	-55.281
64QAM	Low	-69.089	-69.725	-54.992
	Middle	-69.658	-69.855	-54.501
	High	-69.203	-69.875	-55.301
256QAM	Low	-69.812	-69.574	-54.357
	Middle	-69.666	-69.646	-54.630
	High	-69.488	-69.327	-55.184

Test Result for Output Port 1

Mod.	Channel	Measured Level (dBm)								
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge – 100 MHz	Low Edge – 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 2 GHz	2 GHz ~ 4 GHz	4 GHz ~ 6 GHz	6 GHz ~ 8 GHz
QPSK	Low	-29.759	-34.624	-46.965	-40.423	-40.240	-45.628	-60.044	-58.025	-58.310
	Middle	-29.964	-35.297	-46.409	-40.560	-40.213	-45.203	-59.783	-58.121	-58.279
	High	-29.085	-36.988	-46.848	-40.624	-40.136	-45.381	-59.952	-57.937	-58.198
16QAM	Low	-30.139	-33.497	-46.578	-40.561	-40.168	-45.661	-60.043	-57.796	-58.081
	Middle	-30.937	-35.203	-46.154	-40.526	-40.079	-45.536	-59.828	-58.108	-57.981
	High	-30.038	-34.554	-47.515	-40.418	-39.817	-44.958	-59.627	-57.820	-57.579
64QAM	Low	-29.225	-34.223	-47.122	-40.580	-40.000	-45.549	-59.569	-57.720	-58.310
	Middle	-31.170	-34.605	-46.065	-40.647	-40.290	-45.634	-59.886	-58.199	-57.415
	High	-30.270	-35.111	-45.957	-40.656	-40.136	-45.038	-60.005	-57.807	-57.887
256QAM	Low	-30.315	-34.596	-46.631	-40.754	-40.219	-45.788	-59.583	-57.073	-58.325
	Middle	-29.859	-34.303	-46.824	-40.470	-39.935	-45.384	-59.499	-57.826	-57.950
	High	-30.126	-34.405	-47.033	-40.573	-39.943	-44.826	-59.234	-57.929	-58.044

Mod.	Channel	Measured Level (dBm)		
		Additional 763-775 MHz	Additional 793-805 MHz	Additional 1559-1610 MHz (E.I.R.P.)
QPSK	Low	-69.767	-69.362	-55.262
	Middle	-69.275	-69.910	-54.868
	High	-69.538	-69.476	-54.695
16QAM	Low	-69.959	-69.639	-55.108
	Middle	-69.367	-69.698	-55.057
	High	-69.649	-69.478	-54.812
64QAM	Low	-69.808	-69.774	-54.907
	Middle	-69.434	-69.035	-54.968
	High	-69.438	-69.721	-54.995
256QAM	Low	-69.326	-69.236	-54.779
	Middle	-69.267	-69.652	-55.107
	High	-69.169	-69.440	-54.848

B13 LTE 10 MHz 1 Carrier
Test Result for Output Port 0

Mod.	Channel	Measured Level (dBm)								
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge – 100 MHz	Low Edge – 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 2 GHz	2 GHz ~ 4 GHz	4 GHz ~ 6 GHz	6 GHz ~ 8 GHz
QPSK	Middle	-29.293	-34.239	-46.423	-40.386	-39.946	-45.612	-60.051	-58.068	-57.748
16QAM	Middle	-30.385	-35.461	-46.823	-40.674	-40.121	-45.513	-59.751	-57.706	-57.902
64QAM	Middle	-30.043	-34.468	-47.360	-40.706	-40.184	-45.402	-59.602	-57.767	-57.643
256QAM	Middle	-30.010	-34.018	-46.748	-40.660	-40.074	-45.800	-59.676	-57.286	-57.812

Mod.	Channel	Measured Level (dBm)		
		Additional 763-775 MHz	Additional 793-805 MHz	Additional 1559-1610 MHz (E.I.R.P.)
QPSK	Middle	-67.416	-69.034	-54.891
16QAM	Middle	-67.949	-69.594	-55.218
64QAM	Middle	-68.274	-69.578	-55.191
256QAM	Middle	-68.569	-69.618	-55.104

Test Result for Output Port 1

Mod.	Channel	Measured Level (dBm)								
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge – 100 MHz	Low Edge – 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 2 GHz	2 GHz ~ 4 GHz	4 GHz ~ 6 GHz	6 GHz ~ 8 GHz
QPSK	Middle	-28.529	-36.522	-46.098	-40.564	-39.859	-45.609	-60.035	-57.676	-57.966
16QAM	Middle	-31.032	-33.900	-46.794	-40.569	-40.013	-45.406	-60.017	-57.578	-57.764
64QAM	Middle	-31.057	-35.074	-46.949	-40.489	-40.112	-45.655	-59.739	-57.941	-58.343
256QAM	Middle	-29.883	-34.767	-46.430	-40.593	-39.874	-45.093	-59.975	-57.955	-57.735

Mod.	Channel	Measured Level (dBm)		
		Additional 763-775 MHz	Additional 793-805 MHz	Additional 1559-1610 MHz (E.I.R.P.)
QPSK	Middle	-68.068	-69.596	-55.252
16QAM	Middle	-68.103	-69.379	-55.249
64QAM	Middle	-67.711	-69.543	-55.311
256QAM	Middle	-68.475	-69.890	-55.207

5G NR n13 5 MHz 1 Carrier
Test Result for Output Port 0

Mod.	Channel	Measured Level (dBm)								
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge - 100 MHz	Low Edge - 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 2 GHz	2 GHz ~ 4 GHz	4 GHz ~ 6 GHz	6 GHz ~ 8 GHz
QPSK	Low	-28.599	-34.974	-47.153	-40.599	-40.243	-45.039	-59.651	-57.558	-57.695
	Middle	-28.173	-34.270	-46.721	-40.300	-39.990	-45.427	-60.188	-57.731	-58.203
	High	-31.077	-36.552	-46.855	-40.777	-40.168	-44.854	-59.778	-57.778	-57.579
16QAM	Low	-28.991	-34.615	-46.880	-40.568	-40.218	-45.585	-59.740	-57.777	-57.982
	Middle	-29.408	-34.465	-46.825	-40.453	-40.347	-45.311	-60.095	-57.411	-57.935
	High	-29.809	-34.531	-46.734	-40.679	-40.128	-45.383	-59.538	-57.793	-57.865
64QAM	Low	-28.506	-35.379	-46.918	-40.801	-39.951	-45.277	-59.745	-57.928	-57.739
	Middle	-30.026	-33.865	-46.188	-40.583	-40.178	-44.687	-59.919	-57.729	-58.243
	High	-30.191	-34.318	-46.747	-40.631	-40.130	-44.867	-60.056	-57.426	-58.073
256QAM	Low	-29.894	-33.992	-46.783	-40.618	-40.053	-45.467	-59.642	-57.815	-57.967
	Middle	-29.205	-36.850	-46.678	-40.737	-40.015	-45.184	-59.822	-57.551	-57.879
	High	-30.463	-35.857	-47.042	-40.392	-40.205	-45.111	-60.118	-57.785	-57.827

Mod.	Channel	Measured Level (dBm)		
		Additional 763-775 MHz	Additional 793-805 MHz	Additional 1559-1610 MHz (E.I.R.P.)
QPSK	Low	-69.979	-69.587	-56.033
	Middle	-69.391	-69.831	-55.103
	High	-69.513	-69.742	-54.830
16QAM	Low	-69.280	-69.432	-55.109
	Middle	-69.700	-69.094	-53.858
	High	-69.401	-69.795	-54.728
64QAM	Low	-69.700	-69.614	-54.745
	Middle	-69.701	-69.917	-55.135
	High	-69.219	-69.971	-55.052
256QAM	Low	-69.741	-69.229	-55.105
	Middle	-69.370	-69.484	-55.360
	High	-69.618	-69.565	-54.439

Test Result for Output Port 1

Mod.	Channel	Measured Level (dBm)								
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge – 100 MHz	Low Edge – 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 2 GHz	2 GHz ~ 4 GHz	4 GHz ~ 6 GHz	6 GHz ~ 8 GHz
QPSK	Low	-30.812	-35.943	-46.219	-40.626	-39.923	-45.147	-59.727	-57.807	-58.210
	Middle	-27.514	-35.328	-46.662	-40.350	-40.183	-45.454	-59.898	-57.312	-57.967
	High	-30.329	-34.714	-46.271	-40.598	-40.055	-45.263	-59.590	-57.412	-57.990
16QAM	Low	-31.177	-36.433	-46.587	-40.376	-40.082	-45.441	-59.304	-58.059	-58.095
	Middle	-29.848	-34.263	-47.015	-40.445	-39.956	-45.563	-60.009	-57.491	-57.845
	High	-30.532	-35.116	-46.590	-40.515	-40.094	-44.946	-59.831	-57.948	-57.946
64QAM	Low	-30.044	-34.154	-46.585	-40.422	-40.138	-45.176	-59.837	-57.895	-57.330
	Middle	-30.637	-35.177	-46.225	-40.520	-40.169	-45.211	-59.362	-57.792	-57.786
	High	-30.930	-33.668	-46.953	-40.304	-40.090	-45.071	-59.804	-57.960	-57.711
256QAM	Low	-28.883	-35.576	-46.951	-40.184	-40.099	-44.964	-59.590	-57.670	-57.981
	Middle	-31.588	-34.071	-46.158	-40.490	-39.957	-45.319	-60.085	-57.841	-58.084
	High	-30.654	-34.689	-46.929	-40.451	-39.979	-45.389	-59.537	-57.041	-57.852

Mod.	Channel	Measured Level (dBm)		
		Additional 763-775 MHz	Additional 793-805 MHz	Additional 1559-1610 MHz (E.I.R.P.)
QPSK	Low	-69.862	-69.526	-54.911
	Middle	-69.159	-69.140	-54.680
	High	-70.051	-69.462	-54.573
16QAM	Low	-69.078	-69.507	-54.468
	Middle	-68.656	-69.289	-54.532
	High	-69.642	-69.674	-54.591
64QAM	Low	-69.418	-68.598	-55.280
	Middle	-69.810	-68.168	-54.939
	High	-69.388	-69.711	-53.925
256QAM	Low	-69.642	-68.806	-55.117
	Middle	-69.032	-69.502	-54.525
	High	-69.651	-69.130	-54.813

5G NR n13 10 MHz 1 Carrier
Test Result for Output Port 0

Mod.	Channel	Measured Level (dBm)								
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge - 100 MHz	Low Edge - 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 2 GHz	2 GHz ~ 4 GHz	4 GHz ~ 6 GHz	6 GHz ~ 8 GHz
QPSK	Middle	-30.737	-35.174	-46.735	-40.529	-40.127	-45.531	-59.983	-57.941	-57.230
16QAM	Middle	-29.551	-35.600	-47.040	-40.724	-39.719	-45.117	-59.796	-57.315	-58.047
64QAM	Middle	-30.134	-34.788	-46.734	-40.735	-40.133	-45.752	-59.808	-57.287	-57.921
256QAM	Middle	-29.422	-34.178	-46.794	-40.728	-40.057	-45.490	-59.887	-57.550	-58.101

Mod.	Channel	Measured Level (dBm)		
		Additional 763-775 MHz	Additional 793-805 MHz	Additional 1559-1610 MHz (E.I.R.P.)
QPSK	Middle	-66.740	-69.500	-54.754
16QAM	Middle	-68.686	-69.260	-55.404
64QAM	Middle	-67.778	-69.229	-55.136
256QAM	Middle	-67.551	-69.916	-55.329

Test Result for Output Port 1

Mod.	Channel	Measured Level (dBm)								
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge - 100 MHz	Low Edge - 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 2 GHz	2 GHz ~ 4 GHz	4 GHz ~ 6 GHz	6 GHz ~ 8 GHz
QPSK	Middle	-29.610	-36.336	-46.630	-40.322	-39.981	-44.938	-59.472	-57.990	-58.144
16QAM	Middle	-30.506	-34.724	-46.145	-40.514	-40.180	-45.105	-59.771	-57.886	-58.066
64QAM	Middle	-29.925	-35.454	-47.077	-40.614	-39.880	-45.499	-60.160	-57.595	-58.269
256QAM	Middle	-30.679	-34.620	-46.933	-40.527	-40.087	-45.211	-59.972	-57.406	-58.029

Mod.	Channel	Measured Level (dBm)		
		Additional 763-775 MHz	Additional 793-805 MHz	Additional 1559-1610 MHz (E.I.R.P.)
QPSK	Middle	-67.598	-69.421	-54.642
16QAM	Middle	-68.268	-69.762	-55.142
64QAM	Middle	-67.436	-69.125	-54.950
256QAM	Middle	-67.495	-69.584	-55.461

B66 LTE 5 MHz 1 Carrier
Test Result for Output Port 0

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge ~ 100 MHz	Low Edge ~ 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
QPSK	Low	-23.588	-35.254	-33.593	-26.762	-26.352	-25.890	-23.679
	Middle	-22.818	-34.263	-32.227	-27.153	-26.420	-26.189	-24.083
	High	-24.420	-34.407	-33.339	-27.173	-26.472	-26.378	-23.848
16QAM	Low	-19.858	-26.448	-35.415	-28.447	-27.705	-28.309	-24.485
	Middle	-20.416	-25.369	-34.618	-28.318	-27.582	-28.027	-24.709
	High	-19.229	-24.901	-34.336	-28.366	-27.521	-28.375	-24.437
64QAM	Low	-22.252	-35.559	-33.013	-27.294	-26.415	-26.028	-24.056
	Middle	-22.557	-35.254	-33.849	-27.027	-26.405	-25.054	-23.764
	High	-23.081	-35.009	-34.174	-27.206	-26.446	-26.194	-23.858
256QAM	Low	-24.358	-36.382	-33.952	-27.204	-26.216	-26.134	-23.833
	Middle	-22.373	-35.201	-33.542	-27.217	-26.265	-26.391	-24.469
	High	-23.775	-34.540	-34.052	-26.996	-26.349	-26.283	-23.968

Test Result for Output Port 1

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge ~ 100 MHz	Low Edge ~ 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
QPSK	Low	-23.898	-36.184	-33.449	-26.959	-26.245	-25.537	-22.901
	Middle	-23.910	-34.447	-33.274	-27.080	-26.480	-25.573	-23.290
	High	-23.558	-34.479	-32.877	-27.022	-26.000	-25.265	-23.811
16QAM	Low	-19.787	-23.402	-34.011	-28.069	-27.512	-28.584	-23.541
	Middle	-19.259	-24.266	-34.320	-27.791	-27.137	-28.460	-23.279
	High	-20.400	-24.041	-34.838	-28.116	-27.463	-28.269	-22.073
64QAM	Low	-23.899	-35.841	-33.285	-27.020	-26.335	-25.228	-23.457
	Middle	-23.027	-35.068	-33.439	-27.140	-26.495	-25.437	-23.260
	High	-23.432	-35.924	-32.746	-27.131	-26.396	-24.953	-22.600
256QAM	Low	-24.884	-34.667	-32.508	-27.101	-26.322	-25.430	-23.286
	Middle	-23.132	-34.961	-33.133	-27.025	-26.367	-25.459	-21.317
	High	-22.870	-34.949	-33.547	-26.970	-26.222	-25.406	-22.458

B66 LTE 10 MHz 1 Carrier
Test Result for Output Port 0

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge ~ 100 MHz	Low Edge ~ 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
QPSK	Low	-20.523	-25.005	-35.018	-28.253	-27.529	-27.749	-24.614
	Middle	-19.256	-26.046	-34.958	-28.191	-27.588	-27.692	-24.697
	High	-19.941	-25.613	-34.903	-28.346	-27.506	-28.009	-23.415
16QAM	Low	-18.524	-24.737	-34.893	-28.321	-27.628	-28.534	-24.409
	Middle	-21.134	-25.792	-35.036	-28.390	-27.848	-27.355	-24.198
	High	-19.036	-25.563	-34.230	-28.264	-27.383	-27.986	-24.292
64QAM	Low	-19.464	-24.922	-33.805	-28.310	-27.699	-27.954	-24.316
	Middle	-18.948	-24.594	-33.628	-28.308	-27.678	-27.483	-24.569
	High	-19.524	-25.399	-34.635	-28.363	-27.460	-27.477	-24.542
256QAM	Low	-20.135	-25.637	-35.023	-28.145	-27.799	-28.370	-24.276
	Middle	-20.988	-25.024	-34.077	-28.317	-27.514	-27.653	-23.971
	High	-19.179	-24.954	-34.838	-28.180	-27.539	-27.629	-23.327

Test Result for Output Port 1

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge ~ 100 MHz	Low Edge ~ 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
QPSK	Low	-19.926	-25.257	-34.753	-28.169	-27.530	-28.025	-23.551
	Middle	-19.372	-24.742	-34.473	-28.372	-27.437	-28.081	-23.548
	High	-19.166	-24.590	-33.853	-28.218	-27.261	-27.684	-22.789
16QAM	Low	-20.691	-25.059	-34.758	-28.217	-27.475	-28.047	-23.027
	Middle	-19.812	-24.704	-34.846	-28.236	-27.622	-27.893	-24.133
	High	-19.485	-25.430	-34.144	-28.091	-27.293	-28.195	-23.509
64QAM	Low	-21.555	-26.824	-34.433	-27.996	-27.619	-28.279	-22.514
	Middle	-19.252	-24.015	-34.546	-28.245	-27.651	-28.059	-23.135
	High	-19.940	-24.885	-34.184	-28.216	-27.467	-27.211	-22.115
256QAM	Low	-21.327	-24.428	-34.586	-28.149	-27.500	-27.573	-22.859
	Middle	-19.034	-25.367	-34.759	-28.191	-27.417	-27.637	-23.984
	High	-19.873	-25.518	-34.318	-27.960	-27.499	-27.873	-22.794

B66 LTE 15 MHz 1 Carrier
Test Result for Output Port 0

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge ~ 100 MHz	Low Edge ~ 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
QPSK	Low	-19.961	-25.460	-34.563	-28.486	-27.763	-27.959	-24.929
	Middle	-20.518	-25.436	-34.146	-28.393	-27.526	-28.379	-24.718
	High	-20.597	-25.599	-35.135	-28.333	-27.551	-28.286	-24.285
16QAM	Low	-19.801	-24.082	-34.880	-28.235	-27.777	-27.273	-24.215
	Middle	-21.135	-25.815	-34.751	-28.279	-27.788	-28.114	-24.019
	High	-19.461	-24.488	-34.797	-28.160	-27.531	-27.583	-24.311
64QAM	Low	-20.787	-25.448	-34.177	-28.591	-27.799	-28.267	-24.472
	Middle	-20.618	-25.684	-33.925	-28.412	-27.499	-28.163	-24.545
	High	-20.490	-25.970	-34.676	-28.447	-27.647	-28.103	-25.005
256QAM	Low	-20.363	-26.147	-34.480	-28.366	-27.907	-28.555	-24.346
	Middle	-20.212	-25.796	-34.990	-28.395	-27.486	-27.873	-24.458
	High	-19.394	-25.865	-34.898	-28.252	-27.605	-28.344	-24.288

Test Result for Output Port 1

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge ~ 100 MHz	Low Edge ~ 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
QPSK	Low	-21.312	-24.843	-34.673	-28.415	-27.724	-28.862	-23.854
	Middle	-19.655	-25.127	-34.748	-28.327	-27.555	-27.966	-23.127
	High	-20.820	-24.774	-34.308	-27.893	-27.491	-28.075	-23.260
16QAM	Low	-20.128	-24.883	-33.750	-28.157	-27.771	-28.223	-24.149
	Middle	-19.308	-25.793	-34.332	-28.254	-27.415	-28.419	-23.423
	High	-20.337	-24.539	-34.020	-28.172	-27.613	-27.791	-23.215
64QAM	Low	-20.205	-25.021	-34.902	-28.532	-27.766	-28.752	-23.390
	Middle	-20.681	-25.714	-33.880	-28.271	-27.541	-28.367	-24.168
	High	-20.955	-25.045	-33.998	-28.232	-27.504	-28.528	-23.663
256QAM	Low	-19.943	-24.707	-34.122	-28.262	-27.556	-28.907	-24.054
	Middle	-19.815	-24.497	-34.150	-28.174	-27.502	-28.441	-22.580
	High	-19.063	-25.631	-35.051	-28.151	-27.471	-28.472	-22.887

B66 LTE 20 MHz 1 Carrier
Test Result for Output Port 0

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge ~ 100 MHz	Low Edge ~ 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
QPSK	Low	-19.378	-25.016	-34.284	-28.126	-27.783	-28.086	-24.379
	Middle	-19.865	-23.829	-34.437	-28.352	-27.741	-28.226	-24.053
	High	-20.139	-25.838	-34.562	-28.183	-27.657	-27.631	-24.205
16QAM	Low	-20.602	-25.137	-34.206	-28.270	-27.731	-28.640	-24.386
	Middle	-20.140	-24.592	-34.475	-28.229	-27.693	-27.979	-24.192
	High	-20.398	-25.282	-34.819	-28.395	-27.641	-28.007	-24.394
64QAM	Low	-18.762	-24.549	-33.859	-28.393	-27.708	-28.058	-24.780
	Middle	-20.189	-24.972	-34.452	-28.242	-27.405	-27.921	-24.847
	High	-19.607	-24.017	-34.401	-28.309	-27.455	-27.485	-23.980
256QAM	Low	-20.044	-24.714	-34.537	-28.265	-27.754	-27.390	-24.594
	Middle	-20.403	-24.651	-35.345	-27.979	-27.680	-28.364	-24.553
	High	-19.755	-24.424	-34.383	-28.349	-27.431	-28.253	-24.039

Test Result for Output Port 1

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge ~ 100 MHz	Low Edge ~ 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
QPSK	Low	-20.239	-24.931	-33.680	-28.295	-27.538	-28.301	-23.352
	Middle	-19.894	-26.576	-34.550	-28.354	-27.661	-28.162	-22.908
	High	-20.106	-25.356	-34.567	-28.209	-27.404	-28.267	-22.425
16QAM	Low	-19.892	-23.976	-34.540	-28.227	-27.709	-28.494	-23.054
	Middle	-19.745	-24.503	-35.044	-28.201	-27.296	-27.959	-22.945
	High	-18.433	-24.160	-34.177	-28.115	-27.510	-27.477	-24.028
64QAM	Low	-17.763	-25.083	-33.957	-28.313	-27.193	-28.083	-23.951
	Middle	-19.370	-25.002	-34.786	-28.291	-27.383	-28.856	-22.739
	High	-19.785	-25.154	-33.792	-28.161	-27.455	-28.247	-21.678
256QAM	Low	-20.220	-23.269	-34.792	-28.376	-27.644	-28.387	-23.072
	Middle	-20.334	-25.634	-34.751	-28.205	-27.550	-28.542	-23.064
	High	-20.148	-26.277	-34.741	-28.119	-27.330	-28.057	-23.328

5G NR n66 5 MHz 1 Carrier
Test Result for Output Port 0

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge – 100 MHz	Low Edge – 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
QPSK	Low	-25.272	-34.039	-34.009	-27.121	-26.428	-26.318	-24.062
	Middle	-24.298	-35.211	-33.496	-27.157	-26.380	-25.721	-24.530
	High	-23.397	-35.036	-32.889	-27.144	-26.643	-25.750	-25.196
16QAM	Low	-23.915	-36.815	-33.078	-27.195	-26.285	-26.129	-24.281
	Middle	-23.540	-35.511	-33.622	-26.934	-26.503	-25.992	-24.474
	High	-23.696	-34.387	-33.672	-27.299	-26.511	-26.592	-24.992
64QAM	Low	-25.125	-33.464	-33.820	-27.093	-26.375	-25.967	-23.573
	Middle	-23.010	-35.032	-33.493	-27.123	-26.548	-25.701	-24.366
	High	-22.714	-35.597	-33.488	-27.351	-26.749	-26.354	-24.841
256QAM	Low	-23.377	-35.402	-33.205	-26.921	-26.350	-25.993	-24.535
	Middle	-23.637	-34.146	-33.628	-27.127	-26.629	-26.180	-24.535
	High	-23.944	-35.815	-33.655	-27.409	-26.482	-26.275	-24.733

Test Result for Output Port 1

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge – 100 MHz	Low Edge – 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
QPSK	Low	-22.754	-34.782	-33.865	-26.851	-26.178	-25.346	-23.361
	Middle	-23.315	-34.594	-33.978	-27.080	-26.253	-24.061	-22.525
	High	-23.981	-35.486	-33.200	-27.303	-26.644	-25.938	-23.574
16QAM	Low	-24.229	-35.188	-32.831	-27.032	-26.427	-25.329	-22.987
	Middle	-24.258	-34.081	-33.689	-27.041	-26.364	-25.849	-23.388
	High	-22.821	-33.292	-33.451	-27.310	-26.610	-25.924	-23.780
64QAM	Low	-24.453	-35.527	-34.129	-27.093	-26.215	-25.709	-23.038
	Middle	-22.037	-35.546	-34.271	-26.987	-26.323	-25.863	-23.305
	High	-22.865	-35.245	-33.447	-27.198	-26.436	-25.603	-23.454
256QAM	Low	-24.162	-35.375	-33.442	-27.164	-26.435	-25.130	-23.326
	Middle	-23.475	-33.406	-33.344	-27.401	-26.610	-25.377	-24.012
	High	-22.076	-34.463	-33.267	-27.291	-26.444	-25.500	-22.850

5G NR n66 10 MHz 1 Carrier
Test Result for Output Port 0

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge ~ 100 MHz	Low Edge ~ 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
QPSK	Low	-23.851	-35.850	-32.578	-27.258	-26.519	-26.567	-24.913
	Middle	-22.876	-35.177	-33.376	-27.207	-26.499	-26.051	-24.553
	High	-24.622	-35.419	-32.982	-27.184	-26.438	-25.969	-24.531
16QAM	Low	-23.533	-34.442	-33.480	-27.303	-26.396	-26.476	-24.638
	Middle	-24.259	-36.816	-32.154	-27.319	-26.631	-26.594	-23.982
	High	-24.386	-34.288	-32.959	-27.336	-26.457	-25.808	-24.709
64QAM	Low	-23.905	-35.205	-33.300	-27.286	-26.418	-25.931	-24.920
	Middle	-24.010	-35.119	-32.919	-27.137	-26.645	-26.363	-24.357
	High	-23.714	-34.658	-33.334	-27.268	-26.243	-25.992	-23.626
256QAM	Low	-22.081	-35.678	-33.484	-27.281	-26.796	-26.162	-24.870
	Middle	-24.189	-35.653	-33.479	-27.095	-26.494	-25.906	-24.715
	High	-22.911	-34.299	-33.777	-27.231	-26.491	-25.824	-24.334

Test Result for Output Port 1

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge ~ 100 MHz	Low Edge ~ 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
QPSK	Low	-22.508	-34.755	-33.568	-27.178	-26.514	-25.795	-23.854
	Middle	-22.249	-35.444	-33.288	-27.198	-26.461	-25.912	-23.052
	High	-23.853	-34.108	-33.573	-27.162	-26.135	-25.318	-23.083
16QAM	Low	-22.803	-35.811	-32.510	-27.087	-26.511	-25.915	-23.923
	Middle	-23.475	-33.190	-32.930	-27.242	-26.610	-25.761	-23.201
	High	-24.083	-35.125	-33.885	-27.071	-26.441	-25.742	-22.849
64QAM	Low	-22.233	-33.199	-32.983	-27.037	-26.492	-26.181	-22.953
	Middle	-23.206	-34.150	-32.088	-27.189	-26.555	-24.968	-23.105
	High	-22.759	-34.431	-34.046	-26.912	-26.364	-25.215	-23.773
256QAM	Low	-24.598	-36.603	-33.427	-27.193	-26.656	-25.556	-22.970
	Middle	-22.858	-35.895	-33.273	-27.215	-26.479	-25.485	-23.368
	High	-22.999	-32.609	-32.981	-27.077	-26.179	-25.813	-22.975

5G NR n66 15 MHz 1 Carrier
Test Result for Output Port 0

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge ~ 100 MHz	Low Edge ~ 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
QPSK	Low	-23.329	-35.026	-33.892	-27.147	-26.308	-26.377	-24.107
	Middle	-21.533	-35.710	-33.574	-27.036	-26.359	-25.938	-24.991
	High	-23.048	-35.572	-34.129	-27.211	-26.371	-25.947	-24.382
16QAM	Low	-22.208	-33.646	-33.013	-27.173	-26.528	-26.826	-24.422
	Middle	-22.434	-34.649	-33.895	-27.244	-26.460	-25.892	-24.231
	High	-23.163	-35.422	-34.037	-27.260	-26.438	-26.309	-24.252
64QAM	Low	-23.572	-34.613	-33.961	-27.040	-26.583	-25.830	-24.226
	Middle	-23.959	-34.272	-33.377	-27.041	-26.405	-26.312	-24.467
	High	-23.839	-35.294	-33.441	-27.247	-26.475	-26.212	-24.650
256QAM	Low	-24.298	-33.872	-33.831	-27.207	-26.554	-26.622	-24.704
	Middle	-22.821	-33.739	-33.874	-27.210	-26.580	-25.812	-24.015
	High	-22.638	-34.521	-33.999	-27.417	-26.441	-25.760	-24.058

Test Result for Output Port 1

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge ~ 100 MHz	Low Edge ~ 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
QPSK	Low	-23.827	-35.421	-33.493	-27.109	-26.494	-25.928	-23.674
	Middle	-22.764	-34.054	-33.813	-27.216	-26.506	-25.982	-23.781
	High	-23.219	-35.174	-32.580	-27.130	-26.576	-26.322	-22.578
16QAM	Low	-23.873	-33.840	-34.102	-27.115	-26.484	-26.015	-22.407
	Middle	-23.447	-35.031	-33.869	-27.242	-26.355	-25.542	-22.979
	High	-23.551	-34.577	-33.927	-27.247	-26.378	-25.927	-23.267
64QAM	Low	-24.642	-35.625	-34.181	-27.325	-26.248	-25.374	-23.213
	Middle	-21.199	-35.326	-33.800	-27.040	-26.488	-25.261	-23.633
	High	-20.503	-34.578	-32.793	-27.244	-26.391	-25.204	-23.164
256QAM	Low	-22.359	-33.329	-33.631	-27.194	-26.434	-25.527	-22.826
	Middle	-24.236	-35.038	-33.362	-27.213	-26.436	-25.424	-23.644
	High	-24.147	-33.703	-34.041	-27.173	-26.493	-25.694	-22.537

5G NR n66 20 MHz 1 Carrier
Test Result for Output Port 0

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge ~ 100 MHz	Low Edge ~ 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
QPSK	Low	-23.457	-34.774	-33.980	-26.902	-26.260	-25.255	-24.149
	Middle	-23.500	-35.011	-34.075	-27.087	-26.305	-26.078	-23.926
	High	-19.832	-25.777	-34.881	-28.198	-27.382	-27.913	-24.009
16QAM	Low	-23.379	-33.381	-33.517	-27.033	-26.242	-25.512	-24.132
	Middle	-25.383	-34.913	-34.015	-28.364	-27.661	-28.588	-24.035
	High	-19.224	-24.508	-34.511	-28.288	-27.618	-28.474	-23.828
64QAM	Low	-23.905	-35.018	-33.898	-27.018	-26.289	-24.999	-23.860
	Middle	-19.831	-25.549	-34.717	-28.352	-27.429	-27.955	-24.290
	High	-20.088	-24.646	-34.951	-28.391	-27.577	-28.151	-24.620
256QAM	Low	-24.176	-34.269	-33.662	-27.182	-26.350	-26.070	-24.348
	Middle	-19.851	-24.662	-34.928	-28.194	-27.741	-27.848	-23.990
	High	-19.035	-24.464	-34.732	-28.372	-27.616	-28.144	-24.463

Test Result for Output Port 1

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge ~ 100 MHz	Low Edge ~ 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
QPSK	Low	-23.594	-33.947	-33.259	-26.894	-26.286	-25.745	-23.603
	Middle	-24.711	-35.857	-33.330	-26.932	-26.425	-25.536	-21.784
	High	-19.239	-24.122	-35.232	-28.283	-27.237	-28.171	-23.453
16QAM	Low	-25.213	-34.153	-33.631	-27.045	-26.237	-25.742	-23.664
	Middle	-23.413	-34.693	-33.709	-28.229	-27.650	-27.588	-23.314
	High	-20.097	-23.872	-34.741	-28.319	-27.377	-28.253	-23.443
64QAM	Low	-24.054	-34.063	-33.820	-27.283	-26.384	-25.713	-22.661
	Middle	-20.412	-25.726	-34.177	-28.192	-27.374	-27.836	-23.368
	High	-19.217	-26.322	-35.007	-28.135	-27.462	-27.423	-23.064
256QAM	Low	-23.546	-35.502	-33.503	-26.997	-26.196	-25.497	-22.724
	Middle	-20.835	-24.535	-34.809	-28.202	-27.380	-28.420	-23.105
	High	-20.066	-25.070	-34.891	-28.203	-27.385	-27.577	-23.620

Tabular Data of RF Contiguous

B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier]

Test Result for Output Port 0

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge ~ 100 MHz	Low Edge ~ 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
QPSK	Low	-19.870	-25.236	-34.981	-27.865	-27.638	-27.828	-24.135
	Middle	-18.935	-24.708	-34.923	-28.149	-27.557	-27.420	-24.951
	High	-19.444	-26.481	-34.239	-28.252	-27.292	-27.922	-24.326
16QAM	Low	-19.540	-24.339	-34.530	-28.327	-27.517	-27.787	-24.344
	Middle	-21.607	-24.794	-35.135	-28.285	-27.549	-27.378	-24.076
	High	-19.781	-24.667	-34.278	-28.031	-27.622	-27.782	-24.451
64QAM	Low	-19.214	-25.486	-33.907	-28.409	-27.470	-28.151	-24.067
	Middle	-18.280	-26.848	-34.543	-28.339	-27.692	-28.123	-24.372
	High	-21.228	-24.115	-34.922	-28.219	-27.623	-27.932	-24.468
256QAM	Low	-19.106	-24.249	-34.152	-28.066	-27.708	-28.125	-24.128
	Middle	-19.707	-25.285	-34.616	-28.173	-27.486	-27.912	-24.442
	High	-20.457	-25.239	-34.872	-28.283	-27.287	-28.160	-24.526

Test Result for Output Port 1

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge ~ 100 MHz	Low Edge ~ 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
QPSK	Low	-18.983	-24.614	-34.549	-27.860	-27.456	-28.128	-23.737
	Middle	-20.762	-25.130	-34.428	-28.231	-27.380	-28.194	-23.324
	High	-19.050	-25.243	-34.352	-28.173	-27.438	-27.982	-23.355
16QAM	Low	-19.832	-25.079	-34.695	-27.921	-27.364	-27.888	-23.150
	Middle	-20.166	-24.953	-34.123	-28.074	-27.588	-27.900	-22.910
	High	-20.482	-24.131	-34.126	-28.122	-27.501	-27.890	-23.338
64QAM	Low	-20.201	-25.698	-34.595	-28.029	-27.560	-27.465	-23.413
	Middle	-19.305	-25.679	-34.306	-28.222	-27.576	-28.298	-23.368
	High	-19.838	-24.848	-34.431	-28.193	-27.094	-28.578	-23.654
256QAM	Low	-20.731	-23.628	-34.657	-27.915	-27.354	-28.385	-23.708
	Middle	-20.354	-24.901	-35.110	-28.160	-27.262	-27.948	-22.639
	High	-20.523	-25.882	-34.821	-28.325	-27.400	-27.750	-23.626

B66 LTE 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier]

Test Result for Output Port 0

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge ~ 100 MHz	Low Edge ~ 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
QPSK	Low	-21.060	-22.984	-34.704	-28.266	-27.454	-28.229	-24.759
	Middle	-18.902	-24.706	-34.354	-28.372	-27.556	-27.430	-24.196
	High	-19.398	-26.224	-34.726	-28.207	-27.553	-27.867	-24.206
16QAM	Low	-20.265	-24.008	-34.794	-28.202	-27.361	-27.700	-24.638
	Middle	-19.646	-25.786	-34.537	-28.180	-27.590	-27.580	-24.124
	High	-19.855	-24.827	-35.093	-28.248	-27.496	-27.887	-24.249
64QAM	Low	-20.172	-25.574	-34.926	-28.376	-27.623	-27.853	-24.331
	Middle	-19.918	-24.293	-35.169	-28.218	-27.380	-27.465	-24.025
	High	-20.128	-26.287	-34.425	-28.139	-27.470	-28.308	-24.273
256QAM	Low	-18.210	-23.549	-34.369	-28.254	-27.434	-27.982	-24.411
	Middle	-20.919	-26.593	-34.859	-28.324	-27.658	-27.891	-24.192
	High	-21.303	-23.403	-34.657	-28.029	-27.424	-28.291	-23.998

Test Result for Output Port 1

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge ~ 100 MHz	Low Edge ~ 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
QPSK	Low	-20.799	-25.671	-35.281	-28.099	-27.673	-27.437	-23.435
	Middle	-20.902	-24.317	-34.842	-28.115	-27.498	-26.269	-23.268
	High	-20.706	-24.463	-34.393	-28.087	-27.463	-28.080	-23.613
16QAM	Low	-19.266	-24.624	-34.534	-28.127	-27.518	-27.484	-22.288
	Middle	-21.096	-24.612	-34.375	-28.036	-27.382	-27.876	-23.275
	High	-20.375	-25.004	-33.858	-28.179	-27.510	-28.179	-23.450
64QAM	Low	-19.354	-25.675	-34.757	-28.231	-27.291	-27.940	-22.530
	Middle	-19.419	-24.053	-34.926	-28.008	-27.430	-28.088	-22.523
	High	-20.168	-25.287	-34.707	-28.136	-27.347	-27.939	-22.693
256QAM	Low	-20.592	-25.306	-34.845	-28.083	-27.664	-27.914	-23.351
	Middle	-19.246	-25.115	-34.373	-28.142	-27.486	-28.499	-23.119
	High	-20.061	-24.345	-34.263	-27.999	-27.396	-27.869	-21.653

B66 LTE 20 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier [2 Carrier]

Test Result for Output Port 0

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge ~ 100 MHz	Low Edge ~ 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
QPSK	Low	-22.019	-24.664	-34.060	-28.079	-27.656	-28.142	-24.863
	Middle	-20.388	-23.834	-34.103	-28.215	-27.353	-27.682	-24.600
	High	-19.577	-24.851	-34.578	-28.100	-27.714	-28.040	-23.973
16QAM	Low	-18.019	-25.543	-34.028	-28.345	-27.612	-28.040	-24.080
	Middle	-20.105	-24.789	-34.441	-28.299	-27.639	-28.321	-24.889
	High	-20.623	-24.253	-34.059	-28.365	-27.583	-28.001	-24.366
64QAM	Low	-19.893	-24.827	-34.226	-28.276	-27.532	-27.969	-24.318
	Middle	-20.751	-25.799	-34.552	-28.157	-27.743	-28.202	-23.903
	High	-19.039	-24.575	-34.383	-28.255	-27.328	-28.161	-24.730
256QAM	Low	-19.665	-25.534	-34.118	-28.136	-27.633	-28.341	-24.875
	Middle	-18.590	-24.984	-34.375	-28.060	-27.776	-27.576	-24.780
	High	-19.288	-24.518	-34.923	-28.389	-27.482	-27.915	-24.891

Test Result for Output Port 1

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge ~ 100 MHz	Low Edge ~ 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
QPSK	Low	-19.604	-24.317	-34.304	-28.255	-27.705	-28.126	-23.020
	Middle	-19.521	-23.969	-33.952	-27.988	-27.567	-28.141	-23.655
	High	-19.149	-25.165	-34.450	-28.254	-27.573	-27.221	-23.256
16QAM	Low	-19.945	-24.079	-33.506	-28.344	-27.473	-28.627	-23.126
	Middle	-20.124	-24.532	-34.694	-28.203	-27.609	-27.982	-24.098
	High	-20.063	-25.246	-34.171	-28.329	-27.626	-28.163	-23.426
64QAM	Low	-20.433	-24.523	-34.109	-28.101	-27.737	-28.066	-23.168
	Middle	-20.454	-24.359	-34.465	-28.276	-27.360	-28.135	-23.807
	High	-19.985	-24.620	-34.405	-28.246	-27.604	-27.594	-24.050
256QAM	Low	-18.687	-25.035	-33.946	-28.208	-27.555	-27.746	-23.332
	Middle	-19.535	-24.537	-35.071	-28.262	-27.564	-27.941	-23.330
	High	-20.361	-25.747	-34.865	-28.134	-27.568	-28.014	-23.648

5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [2 Carrier]

Test Result for Output Port 0

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge ~ 100 MHz	Low Edge ~ 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
QPSK	Low	-18.346	-25.250	-34.361	-28.220	-27.564	-28.236	-23.692
	Middle	-20.134	-24.410	-34.683	-28.529	-27.861	-28.633	-24.031
	High	-21.082	-25.097	-34.281	-28.523	-27.773	-27.792	-24.560
16QAM	Low	-20.271	-25.556	-34.400	-28.344	-27.594	-27.853	-24.306
	Middle	-19.940	-25.758	-34.559	-28.546	-27.528	-27.825	-24.785
	High	-22.000	-26.991	-34.184	-28.466	-27.708	-28.470	-23.624
64QAM	Low	-19.256	-25.479	-34.975	-28.311	-27.636	-27.367	-23.896
	Middle	-18.482	-26.484	-34.641	-28.341	-27.919	-27.772	-24.807
	High	-20.591	-24.062	-34.173	-28.295	-27.670	-27.870	-23.910
256QAM	Low	-19.478	-25.469	-34.306	-28.089	-27.615	-27.993	-24.231
	Middle	-19.001	-26.734	-34.245	-28.474	-27.757	-28.266	-24.472
	High	-21.133	-25.485	-33.850	-28.372	-27.518	-28.316	-24.136

Test Result for Output Port 1

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge ~ 100 MHz	Low Edge ~ 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
QPSK	Low	-19.687	-24.624	-34.038	-28.139	-27.444	-27.505	-23.297
	Middle	-19.800	-24.820	-34.181	-28.506	-27.792	-29.017	-23.216
	High	-19.214	-25.424	-34.487	-28.162	-27.687	-28.314	-23.141
16QAM	Low	-19.644	-25.679	-34.397	-27.722	-27.655	-28.090	-22.895
	Middle	-18.951	-25.026	-34.363	-28.434	-27.647	-27.776	-23.629
	High	-18.475	-25.800	-34.285	-28.236	-27.517	-28.365	-23.433
64QAM	Low	-20.570	-24.396	-34.543	-28.042	-27.507	-28.058	-22.661
	Middle	-20.434	-25.766	-33.605	-28.584	-27.798	-27.037	-23.110
	High	-20.791	-25.918	-33.680	-28.355	-27.660	-28.047	-23.955
256QAM	Low	-18.589	-24.142	-34.529	-27.788	-27.431	-27.761	-22.899
	Middle	-20.398	-23.614	-34.570	-28.395	-27.695	-28.170	-24.399
	High	-19.085	-24.921	-33.956	-28.346	-27.575	-27.903	-22.581

5G NR n66 20 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [2 Carrier]

Test Result for Output Port 0

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge – 100 MHz	Low Edge – 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
QPSK	Low	-20.241	-25.429	-34.402	-28.243	-27.678	-28.198	-24.686
	Middle	-20.686	-24.470	-34.241	-28.424	-27.562	-28.168	-24.203
	High	-20.948	-25.761	-34.744	-28.131	-27.609	-28.142	-24.564
16QAM	Low	-20.879	-26.660	-34.221	-28.432	-27.747	-27.779	-24.401
	Middle	-20.125	-26.092	-34.156	-28.477	-27.650	-27.976	-24.517
	High	-20.999	-24.721	-34.308	-28.277	-27.682	-28.612	-24.413
64QAM	Low	-20.223	-25.680	-34.806	-28.526	-27.703	-27.004	-24.051
	Middle	-21.267	-24.731	-34.449	-28.417	-27.583	-27.762	-24.241
	High	-20.412	-26.018	-35.012	-28.382	-27.272	-28.785	-24.302
256QAM	Low	-20.504	-24.154	-34.563	-28.289	-27.744	-28.264	-24.836
	Middle	-20.148	-24.982	-34.374	-28.357	-27.451	-28.280	-24.372
	High	-19.173	-25.831	-34.667	-28.350	-27.488	-28.384	-24.950

Test Result for Output Port 1

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge – 100 MHz	Low Edge – 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
QPSK	Low	-21.163	-26.182	-33.354	-28.234	-27.738	-27.536	-23.546
	Middle	-20.649	-26.306	-33.773	-28.087	-27.597	-28.225	-22.830
	High	-21.440	-25.212	-35.004	-28.288	-27.458	-28.408	-23.208
16QAM	Low	-19.773	-25.556	-33.639	-28.163	-27.669	-28.331	-22.571
	Middle	-19.879	-26.271	-34.141	-27.960	-27.654	-27.724	-23.385
	High	-20.655	-25.139	-34.195	-28.092	-27.492	-28.386	-22.828
64QAM	Low	-20.114	-26.773	-34.311	-28.255	-27.592	-28.383	-23.465
	Middle	-19.499	-26.271	-34.540	-28.360	-27.502	-27.688	-23.742
	High	-20.308	-25.509	-35.074	-28.243	-27.509	-28.875	-23.553
256QAM	Low	-19.421	-24.690	-34.347	-28.264	-27.695	-28.446	-23.775
	Middle	-20.251	-26.186	-33.881	-28.084	-27.465	-27.805	-23.570
	High	-20.245	-24.978	-34.624	-28.215	-27.433	-27.691	-23.995

5G NR n66 20 MHz 1 Carrier + 5G NR n66 10 MHz 1 Carrier [2 Carrier]

Test Result for Output Port 0

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge ~ 100 MHz	Low Edge ~ 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
QPSK	Low	-21.195	-24.681	-34.045	-28.273	-27.623	-28.109	-23.752
	Middle	-20.098	-24.545	-34.227	-28.363	-27.744	-27.999	-24.066
	High	-20.812	-25.993	-33.006	-28.029	-27.514	-28.026	-23.972
16QAM	Low	-21.017	-25.818	-34.484	-28.341	-27.684	-27.182	-24.176
	Middle	-19.129	-23.938	-34.422	-28.449	-27.815	-27.491	-24.581
	High	-19.263	-25.519	-34.880	-28.287	-27.308	-28.255	-23.997
64QAM	Low	-20.894	-26.241	-33.762	-28.410	-27.317	-27.722	-24.494
	Middle	-21.553	-26.067	-34.548	-28.384	-27.800	-27.667	-23.886
	High	-19.843	-24.607	-34.907	-28.176	-27.567	-28.267	-24.108
256QAM	Low	-20.259	-24.646	-34.324	-28.471	-27.881	-28.157	-24.607
	Middle	-20.676	-25.075	-34.341	-28.079	-27.520	-27.806	-24.003
	High	-19.818	-26.285	-34.992	-28.193	-27.547	-27.444	-23.990

Test Result for Output Port 1

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge ~ 100 MHz	Low Edge ~ 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
QPSK	Low	-20.273	-25.644	-33.776	-28.068	-27.416	-27.445	-23.287
	Middle	-19.817	-24.606	-34.869	-28.294	-27.758	-28.046	-23.996
	High	-20.011	-25.083	-34.180	-28.043	-27.279	-28.160	-23.557
16QAM	Low	-19.949	-24.587	-33.080	-28.208	-27.492	-27.655	-22.556
	Middle	-20.444	-25.702	-33.406	-27.949	-27.429	-27.980	-23.370
	High	-19.883	-25.547	-34.541	-28.206	-27.417	-27.839	-24.123
64QAM	Low	-20.239	-25.278	-34.226	-28.087	-27.400	-28.268	-23.430
	Middle	-19.642	-26.663	-34.701	-28.197	-27.686	-28.388	-23.025
	High	-19.820	-24.318	-34.579	-28.108	-27.347	-27.583	-23.628
256QAM	Low	-20.021	-24.094	-33.771	-28.246	-27.698	-27.483	-24.052
	Middle	-19.166	-24.177	-33.845	-28.052	-27.740	-27.889	-23.940
	High	-21.555	-24.487	-34.852	-28.063	-27.089	-28.219	-22.648

5G NR n66 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier]

Test Result for Output Port 0

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge ~ 100 MHz	Low Edge ~ 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
QPSK	Low	-21.022	-25.673	-34.297	-28.382	-27.691	-27.917	-24.028
	Middle	-20.326	-23.876	-34.871	-28.219	-27.632	-28.037	-24.536
	High	-20.005	-25.884	-34.830	-28.191	-27.510	-27.995	-24.011
16QAM	Low	-20.901	-25.701	-34.469	-28.144	-27.449	-27.872	-24.593
	Middle	-19.597	-25.782	-34.758	-28.305	-27.632	-28.049	-23.579
	High	-19.958	-24.052	-34.942	-28.217	-27.310	-28.204	-24.102
64QAM	Low	-19.381	-24.923	-35.197	-28.271	-27.505	-27.943	-24.711
	Middle	-18.416	-24.632	-34.736	-28.249	-27.481	-27.643	-24.331
	High	-20.562	-24.815	-34.442	-28.161	-27.475	-28.342	-24.799
256QAM	Low	-20.308	-24.570	-34.713	-28.051	-27.736	-27.543	-24.635
	Middle	-19.171	-25.818	-34.847	-28.060	-27.492	-27.789	-23.695
	High	-18.783	-26.376	-34.026	-28.245	-27.636	-28.447	-24.600

Test Result for Output Port 1

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge ~ 100 MHz	Low Edge ~ 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
QPSK	Low	-19.792	-25.134	-34.863	-28.019	-27.330	-27.763	-23.784
	Middle	-20.100	-26.431	-34.729	-28.143	-27.444	-28.299	-23.020
	High	-21.236	-24.542	-34.731	-28.060	-27.460	-28.255	-23.250
16QAM	Low	-20.145	-24.895	-33.899	-28.079	-27.389	-27.663	-23.347
	Middle	-20.039	-25.501	-33.916	-28.097	-27.477	-27.904	-23.287
	High	-20.112	-24.793	-35.253	-28.177	-27.181	-28.265	-23.851
64QAM	Low	-19.840	-25.522	-34.738	-28.115	-27.645	-27.432	-23.395
	Middle	-20.999	-24.847	-35.194	-28.071	-27.581	-27.514	-23.128
	High	-19.704	-23.409	-34.664	-27.979	-27.280	-28.003	-21.924
256QAM	Low	-19.925	-25.613	-34.463	-27.879	-27.466	-28.203	-22.169
	Middle	-21.500	-25.720	-34.362	-28.216	-27.452	-28.545	-23.462
	High	-20.345	-24.218	-34.583	-28.193	-27.445	-27.495	-23.118

5G NR n66 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier]

Test Result for Output Port 0

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge ~ 100 MHz	Low Edge ~ 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
QPSK	Low	-19.324	-23.774	-34.810	-28.640	-27.947	-28.271	-24.895
	Middle	-20.534	-25.734	-34.229	-28.430	-27.563	-28.524	-24.390
	High	-20.708	-25.242	-34.285	-28.449	-27.779	-28.048	-24.785
16QAM	Low	-19.538	-25.447	-34.299	-28.081	-27.876	-28.684	-24.325
	Middle	-19.886	-24.690	-34.592	-28.395	-27.682	-28.213	-24.566
	High	-21.152	-26.541	-34.440	-28.322	-27.755	-28.047	-23.671
64QAM	Low	-20.213	-26.698	-34.545	-28.306	-27.917	-27.894	-24.585
	Middle	-21.232	-25.874	-34.398	-28.211	-27.734	-28.257	-24.428
	High	-20.173	-24.673	-34.722	-28.543	-27.851	-28.328	-24.049
256QAM	Low	-19.506	-25.338	-34.704	-28.424	-27.738	-28.003	-24.767
	Middle	-20.352	-24.777	-34.270	-28.504	-27.802	-28.125	-24.647
	High	-19.940	-24.713	-34.899	-28.230	-27.666	-28.147	-24.823

Test Result for Output Port 1

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge ~ 100 MHz	Low Edge ~ 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
QPSK	Low	-19.885	-22.663	-34.438	-28.142	-27.704	-28.702	-23.157
	Middle	-18.880	-25.877	-34.017	-28.194	-27.664	-27.920	-23.015
	High	-19.593	-24.987	-34.088	-28.339	-27.620	-28.311	-23.084
16QAM	Low	-20.838	-26.139	-34.385	-28.398	-27.584	-28.037	-24.011
	Middle	-20.152	-26.477	-33.631	-28.357	-27.735	-28.011	-23.128
	High	-19.047	-25.484	-34.203	-28.280	-27.665	-28.331	-22.739
64QAM	Low	-20.083	-25.602	-34.585	-28.137	-27.492	-28.363	-24.216
	Middle	-18.948	-24.370	-34.260	-28.102	-27.630	-28.256	-23.952
	High	-20.558	-25.024	-34.796	-28.320	-27.301	-27.660	-23.762
256QAM	Low	-19.841	-24.380	-34.167	-28.492	-27.674	-27.965	-23.703
	Middle	-20.543	-23.631	-33.450	-28.208	-27.659	-28.273	-23.575
	High	-20.734	-25.210	-34.514	-28.255	-27.578	-28.445	-23.671

5G NR n66 20 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier [2 Carrier]

Test Result for Output Port 0

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge ~ 100 MHz	Low Edge ~ 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
QPSK	Low	-20.406	-25.571	-34.384	-28.313	-27.576	-27.780	-24.004
	Middle	-19.390	-24.902	-34.265	-28.228	-27.699	-27.549	-24.273
	High	-18.414	-24.747	-34.788	-28.252	-27.607	-27.735	-23.895
16QAM	Low	-20.862	-24.037	-35.003	-28.303	-27.593	-27.734	-24.119
	Middle	-19.644	-24.957	-34.272	-28.416	-27.688	-27.708	-23.559
	High	-21.173	-25.694	-35.004	-28.305	-27.516	-27.851	-24.658
64QAM	Low	-18.952	-23.486	-33.828	-28.442	-27.489	-27.786	-24.299
	Middle	-19.659	-25.381	-34.561	-28.218	-27.778	-27.723	-24.793
	High	-19.790	-24.519	-34.451	-28.192	-27.539	-27.815	-23.628
256QAM	Low	-20.777	-25.034	-34.311	-28.365	-27.747	-27.998	-24.689
	Middle	-19.066	-25.446	-33.611	-28.110	-27.825	-27.597	-24.100
	High	-20.807	-26.342	-34.393	-28.354	-27.540	-27.951	-24.115

Test Result for Output Port 1

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge ~ 100 MHz	Low Edge ~ 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
QPSK	Low	-19.735	-25.823	-34.221	-28.121	-27.565	-28.156	-22.761
	Middle	-20.858	-24.699	-33.191	-28.135	-27.649	-28.265	-22.560
	High	-20.209	-24.610	-34.692	-28.097	-27.533	-27.406	-23.393
16QAM	Low	-18.598	-24.526	-34.467	-28.199	-27.373	-28.539	-23.799
	Middle	-20.045	-26.284	-34.212	-28.240	-27.580	-28.032	-23.761
	High	-20.647	-26.194	-34.770	-28.146	-27.522	-27.949	-23.128
64QAM	Low	-19.123	-25.114	-34.347	-27.942	-27.609	-28.239	-22.746
	Middle	-20.474	-26.178	-33.409	-27.980	-27.433	-27.834	-23.306
	High	-20.831	-25.766	-34.578	-28.205	-27.477	-28.387	-22.628
256QAM	Low	-21.665	-24.829	-34.191	-28.182	-27.368	-28.392	-23.620
	Middle	-20.305	-25.294	-34.650	-28.192	-27.413	-28.123	-23.530
	High	-19.755	-24.719	-34.080	-28.103	-27.215	-27.583	-23.393

B66 LTE 20 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [2 Carrier]

Test Result for Output Port 0

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge ~ 100 MHz	Low Edge ~ 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
QPSK	Low	-21.146	-24.650	-34.949	-28.453	-27.801	-27.478	-24.156
	Middle	-19.928	-24.544	-34.250	-28.478	-27.590	-28.218	-24.542
	High	-20.395	-25.377	-35.233	-28.304	-27.510	-28.132	-25.040
16QAM	Low	-19.990	-25.527	-34.468	-28.442	-27.633	-28.505	-24.143
	Middle	-19.288	-24.282	-34.933	-28.261	-27.755	-28.458	-24.534
	High	-20.853	-24.027	-35.274	-28.338	-27.667	-27.882	-24.704
64QAM	Low	-20.433	-23.320	-35.003	-28.022	-27.607	-28.626	-24.386
	Middle	-19.527	-24.485	-34.655	-28.072	-27.610	-28.373	-24.775
	High	-20.754	-24.709	-34.344	-28.346	-27.507	-28.310	-24.651
256QAM	Low	-19.998	-24.772	-33.577	-28.422	-27.870	-28.304	-24.341
	Middle	-20.887	-23.503	-35.097	-28.448	-27.319	-28.083	-24.397
	High	-19.972	-23.833	-33.869	-28.225	-27.627	-28.011	-24.570

Test Result for Output Port 1

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge ~ 100 MHz	Low Edge ~ 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
QPSK	Low	-21.564	-24.990	-34.874	-28.023	-27.490	-27.345	-22.907
	Middle	-19.480	-25.861	-34.071	-28.248	-27.748	-28.227	-23.664
	High	-19.624	-26.699	-34.464	-28.005	-27.501	-27.637	-23.430
16QAM	Low	-19.059	-26.452	-34.604	-28.280	-27.311	-28.011	-23.112
	Middle	-20.197	-25.517	-34.376	-28.093	-27.315	-28.260	-23.712
	High	-21.009	-24.031	-33.737	-28.329	-27.461	-28.378	-23.589
64QAM	Low	-19.237	-25.730	-34.939	-28.379	-27.691	-27.910	-22.974
	Middle	-18.346	-24.678	-34.390	-28.188	-27.577	-28.400	-23.295
	High	-19.424	-25.137	-34.390	-28.237	-27.423	-28.645	-23.595
256QAM	Low	-19.972	-24.739	-33.943	-28.149	-27.600	-28.132	-22.464
	Middle	-20.025	-25.474	-35.278	-28.282	-27.675	-28.270	-23.138
	High	-21.624	-24.331	-33.951	-28.196	-27.671	-28.370	-23.682

B66 LTE 20 MHz 1 Carrier + 5G NR n66 10 MHz 1 Carrier [2 Carrier]

Test Result for Output Port 0

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge ~ 100 MHz	Low Edge ~ 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
QPSK	Low	-20.517	-26.018	-35.180	-28.321	-27.670	-27.703	-24.424
	Middle	-19.373	-26.226	-34.563	-28.192	-27.508	-27.649	-23.741
	High	-20.394	-24.850	-34.603	-28.220	-27.552	-27.723	-24.166
16QAM	Low	-20.368	-25.529	-34.486	-28.177	-27.655	-27.974	-24.494
	Middle	-20.114	-25.520	-33.501	-28.356	-27.416	-27.436	-24.099
	High	-21.113	-24.823	-34.511	-28.292	-27.666	-27.810	-24.613
64QAM	Low	-20.016	-23.485	-34.924	-28.169	-27.567	-27.707	-24.048
	Middle	-20.347	-24.802	-34.199	-28.386	-27.680	-27.403	-24.369
	High	-20.166	-25.140	-34.155	-28.137	-27.593	-27.613	-24.344
256QAM	Low	-20.019	-25.077	-35.053	-28.063	-27.608	-28.308	-23.817
	Middle	-20.329	-25.796	-34.504	-27.984	-27.598	-27.291	-24.475
	High	-21.752	-25.615	-34.176	-28.219	-27.688	-28.109	-23.006

Test Result for Output Port 1

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge ~ 100 MHz	Low Edge ~ 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
QPSK	Low	-19.067	-25.187	-34.225	-28.187	-27.555	-27.976	-23.580
	Middle	-19.100	-24.841	-34.009	-28.171	-27.511	-27.012	-22.594
	High	-19.967	-25.154	-34.028	-28.084	-27.586	-28.040	-22.855
16QAM	Low	-21.038	-24.114	-34.966	-28.244	-27.403	-27.950	-23.321
	Middle	-19.948	-25.559	-34.414	-28.022	-27.523	-27.681	-22.421
	High	-20.769	-24.825	-34.231	-28.235	-27.438	-27.910	-23.384
64QAM	Low	-19.292	-25.298	-34.973	-28.329	-27.511	-27.568	-22.643
	Middle	-20.768	-25.269	-33.481	-28.194	-27.503	-27.019	-22.621
	High	-19.803	-25.749	-33.520	-27.905	-27.341	-27.900	-23.123
256QAM	Low	-21.288	-24.987	-34.307	-28.097	-27.487	-28.360	-23.165
	Middle	-20.049	-26.451	-34.421	-28.147	-27.508	-28.166	-22.887
	High	-21.334	-24.811	-34.098	-28.131	-27.278	-27.902	-23.446

Tabular Data of RF Non-Contiguous
B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier]

Port	Mod	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge – 100 MHz	Low Edge – 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
0	QPSK	-20.303	-25.403	-34.047	-28.295	-27.619	-27.746	-24.099
	16QAM	-20.822	-25.223	-34.973	-28.344	-27.385	-27.833	-24.428
	64QAM	-19.341	-25.374	-34.494	-28.293	-27.316	-27.699	-24.114
	256QAM	-21.299	-26.635	-34.457	-28.097	-27.635	-27.904	-24.280
1	QPSK	-19.321	-25.652	-33.967	-28.058	-27.551	-27.759	-22.826
	16QAM	-20.022	-25.775	-34.446	-28.172	-27.347	-27.569	-23.328
	64QAM	-20.834	-26.444	-34.680	-28.199	-27.547	-27.252	-22.987
	256QAM	-19.396	-26.012	-34.185	-28.091	-27.418	-28.424	-23.011

B66 LTE 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier]

Port	Mod	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge – 100 MHz	Low Edge – 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
0	QPSK	-19.994	-25.333	-34.718	-27.932	-27.672	-27.668	-24.091
	16QAM	-20.051	-23.742	-34.359	-28.438	-27.372	-27.729	-24.202
	64QAM	-19.938	-24.975	-34.246	-28.264	-27.548	-28.090	-24.628
	256QAM	-19.397	-23.833	-33.326	-28.340	-27.709	-27.661	-24.297
1	QPSK	-20.655	-25.475	-35.184	-28.111	-27.448	-28.486	-23.538
	16QAM	-18.551	-25.179	-34.059	-28.300	-27.435	-28.234	-22.344
	64QAM	-20.035	-25.063	-33.807	-28.068	-27.419	-28.076	-23.075
	256QAM	-19.728	-24.716	-34.339	-28.312	-27.533	-27.916	-23.051

B66 LTE 20 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier [2 Carrier]

Port	Mod	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge – 100 MHz	Low Edge – 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
0	QPSK	-20.799	-26.199	-35.292	-28.316	-27.486	-27.639	-24.353
	16QAM	-19.816	-24.874	-34.645	-28.264	-27.609	-27.748	-24.572
	64QAM	-20.486	-25.178	-35.175	-28.011	-27.720	-27.767	-24.824
	256QAM	-20.463	-24.673	-34.817	-28.171	-27.701	-28.194	-24.314
1	QPSK	-18.119	-24.198	-33.292	-28.226	-27.465	-26.559	-23.755
	16QAM	-21.744	-24.133	-34.268	-28.197	-27.533	-28.205	-21.815
	64QAM	-20.428	-25.056	-34.786	-27.873	-27.557	-28.244	-23.089
	256QAM	-21.320	-26.247	-34.920	-28.346	-27.392	-27.748	-22.890

5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [2 Carrier]

Port	Mod	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge – 100 MHz	Low Edge – 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
0	QPSK	-21.100	-25.683	-34.083	-28.526	-27.680	-28.086	-24.355
	16QAM	-20.153	-25.908	-34.442	-28.387	-27.680	-28.106	-24.330
	64QAM	-21.185	-25.579	-34.250	-28.321	-27.837	-27.890	-24.524
	256QAM	-20.406	-25.674	-34.149	-28.555	-27.608	-28.223	-24.666
1	QPSK	-20.396	-26.704	-33.281	-28.193	-27.650	-28.614	-23.341
	16QAM	-19.992	-24.860	-34.051	-28.360	-27.717	-27.958	-23.949
	64QAM	-20.429	-25.772	-33.785	-28.255	-27.589	-28.337	-23.016
	256QAM	-20.141	-24.713	-34.088	-28.310	-27.762	-28.086	-23.599

5G NR n66 20 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [2 Carrier]

Port	Mod	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge – 100 MHz	Low Edge – 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
0	QPSK	-19.509	-26.237	-34.511	-28.207	-27.459	-27.872	-24.446
	16QAM	-18.563	-25.154	-34.282	-28.286	-27.791	-26.555	-24.739
	64QAM	-20.038	-25.088	-34.162	-28.307	-27.567	-27.723	-24.092
	256QAM	-19.795	-25.331	-34.634	-28.444	-27.722	-28.208	-23.976
1	QPSK	-20.121	-26.972	-34.040	-28.229	-27.518	-27.853	-23.735
	16QAM	-20.123	-25.319	-34.365	-28.093	-27.498	-28.301	-23.351
	64QAM	-19.388	-25.113	-33.903	-28.238	-27.630	-28.130	-22.485
	256QAM	-19.946	-24.156	-34.749	-28.244	-27.452	-28.050	-23.520

5G NR n66 20 MHz 1 Carrier + 5G NR n66 10 MHz 1 Carrier [2 Carrier]

Port	Mod	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge – 100 MHz	Low Edge – 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
0	QPSK	-20.078	-25.030	-34.930	-28.246	-27.606	-27.580	-24.077
	16QAM	-19.509	-25.058	-34.943	-28.233	-27.515	-28.030	-24.576
	64QAM	-19.552	-25.281	-34.279	-28.291	-27.500	-27.804	-24.540
	256QAM	-20.411	-24.442	-34.760	-28.224	-27.358	-28.362	-24.091
1	QPSK	-21.121	-25.387	-34.646	-28.049	-27.522	-28.334	-23.872
	16QAM	-20.767	-25.118	-34.848	-28.115	-27.412	-27.627	-22.886
	64QAM	-20.161	-25.056	-34.637	-27.977	-27.569	-28.396	-22.978
	256QAM	-19.319	-25.576	-34.270	-28.071	-27.495	-27.733	-22.340

5G NR n66 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier]

Port	Mod	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge – 100 MHz	Low Edge – 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
0	QPSK	-19.763	-24.062	-34.663	-28.248	-27.392	-27.048	-24.034
	16QAM	-20.322	-25.253	-35.250	-28.145	-27.564	-28.455	-24.453
	64QAM	-20.952	-24.415	-34.619	-28.299	-27.550	-27.955	-24.004
	256QAM	-19.734	-24.801	-34.957	-28.337	-27.486	-27.930	-24.709
1	QPSK	-20.142	-24.858	-34.865	-28.140	-27.310	-28.148	-23.419
	16QAM	-19.302	-24.620	-35.233	-27.909	-27.541	-27.570	-23.359
	64QAM	-20.934	-25.027	-33.869	-28.062	-27.350	-28.153	-23.124
	256QAM	-20.411	-26.964	-33.873	-28.126	-27.571	-27.085	-23.465

5G NR n66 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier]

Port	Mod	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge – 100 MHz	Low Edge – 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
0	QPSK	-20.537	-25.187	-33.008	-28.381	-27.437	-27.957	-24.497
	16QAM	-20.865	-25.678	-34.898	-28.246	-27.644	-27.958	-24.074
	64QAM	-19.155	-24.984	-34.259	-28.312	-27.696	-28.424	-24.428
	256QAM	-20.185	-26.483	-34.561	-28.317	-27.600	-28.039	-24.210
1	QPSK	-21.041	-24.493	-34.215	-28.218	-27.746	-28.244	-23.797
	16QAM	-20.633	-25.626	-34.375	-28.429	-27.548	-27.823	-23.606
	64QAM	-21.039	-25.942	-34.593	-28.424	-27.565	-28.603	-22.938
	256QAM	-21.618	-25.204	-34.617	-28.115	-27.545	-28.132	-22.815

5G NR n66 20 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier [2 Carrier]

Port	Mod	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge – 100 MHz	Low Edge – 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
0	QPSK	-19.286	-24.898	-35.119	-28.192	-27.572	-28.100	-24.054
	16QAM	-19.137	-25.193	-34.843	-28.433	-27.730	-28.322	-24.189
	64QAM	-19.487	-25.433	-34.374	-28.244	-27.683	-27.856	-23.541
	256QAM	-19.737	-25.820	-34.867	-28.404	-27.369	-28.022	-24.470
1	QPSK	-21.358	-24.633	-34.182	-28.220	-27.294	-27.363	-23.316
	16QAM	-20.554	-25.925	-34.977	-28.246	-27.451	-27.914	-23.437
	64QAM	-19.173	-26.011	-34.698	-28.182	-27.496	-27.867	-23.573
	256QAM	-19.820	-23.091	-34.122	-28.152	-27.293	-28.565	-22.840

B66 LTE 20 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [2 Carrier]

Port	Mod	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge – 100 MHz	Low Edge – 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
0	QPSK	-19.514	-25.124	-34.490	-28.287	-27.666	-27.783	-24.841
	16QAM	-19.250	-25.674	-34.471	-28.360	-27.633	-28.087	-25.006
	64QAM	-20.689	-24.032	-34.837	-28.388	-27.666	-27.996	-24.680
	256QAM	-19.910	-24.990	-34.620	-28.092	-27.559	-28.286	-24.647
1	QPSK	-20.659	-24.895	-33.916	-28.066	-27.284	-27.918	-23.903
	16QAM	-20.707	-25.278	-33.823	-28.124	-27.669	-28.367	-23.068
	64QAM	-18.853	-24.590	-34.156	-28.086	-27.451	-28.129	-23.489
	256QAM	-18.720	-22.955	-34.287	-28.332	-27.579	-28.311	-23.630

B66 LTE 20 MHz 1 Carrier + 5G NR n66 10 MHz 1 Carrier [2 Carrier]

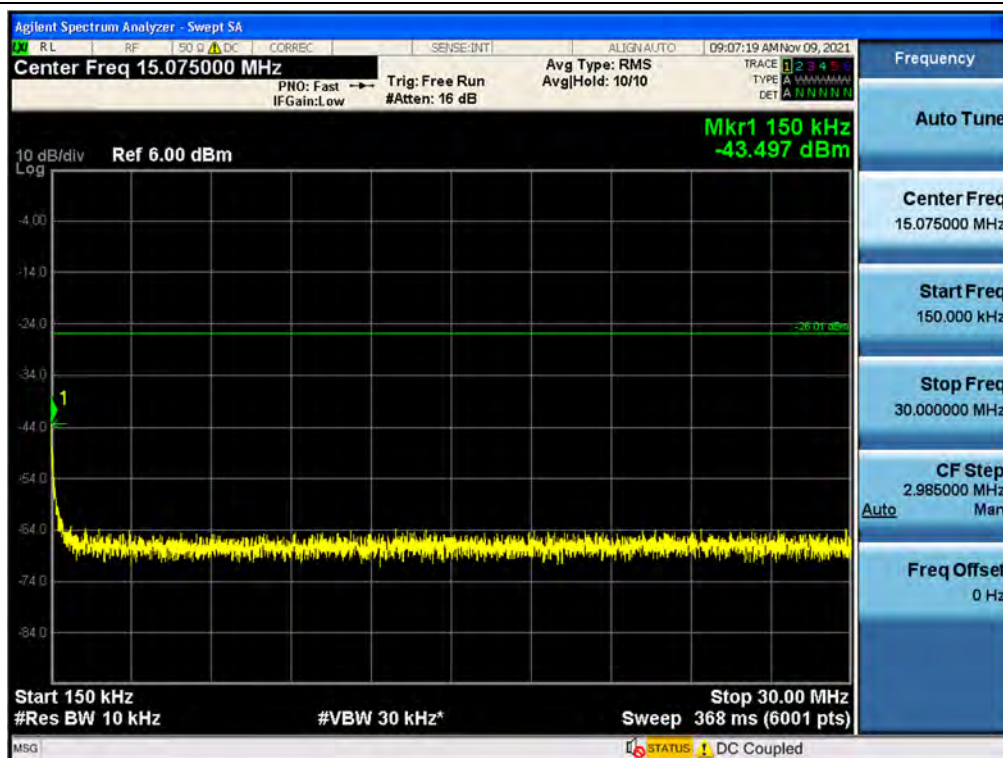
Port	Mod	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge – 100 MHz	Low Edge – 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
0	QPSK	-20.168	-26.047	-34.816	-28.259	-27.544	-27.964	-23.808
	16QAM	-20.074	-24.476	-35.111	-28.162	-27.279	-27.778	-24.305
	64QAM	-20.206	-25.052	-34.863	-28.213	-27.373	-27.729	-24.793
	256QAM	-20.806	-24.506	-34.785	-27.951	-27.343	-27.219	-24.257
1	QPSK	-20.056	-25.533	-33.720	-27.877	-27.349	-27.532	-23.535
	16QAM	-19.104	-26.044	-34.127	-28.051	-27.461	-28.192	-21.635
	64QAM	-20.920	-24.502	-34.361	-27.869	-27.332	-28.174	-23.525
	256QAM	-19.319	-26.007	-34.565	-27.964	-27.532	-28.160	-23.235

Plot Data of Spurious Unwanted Emissions

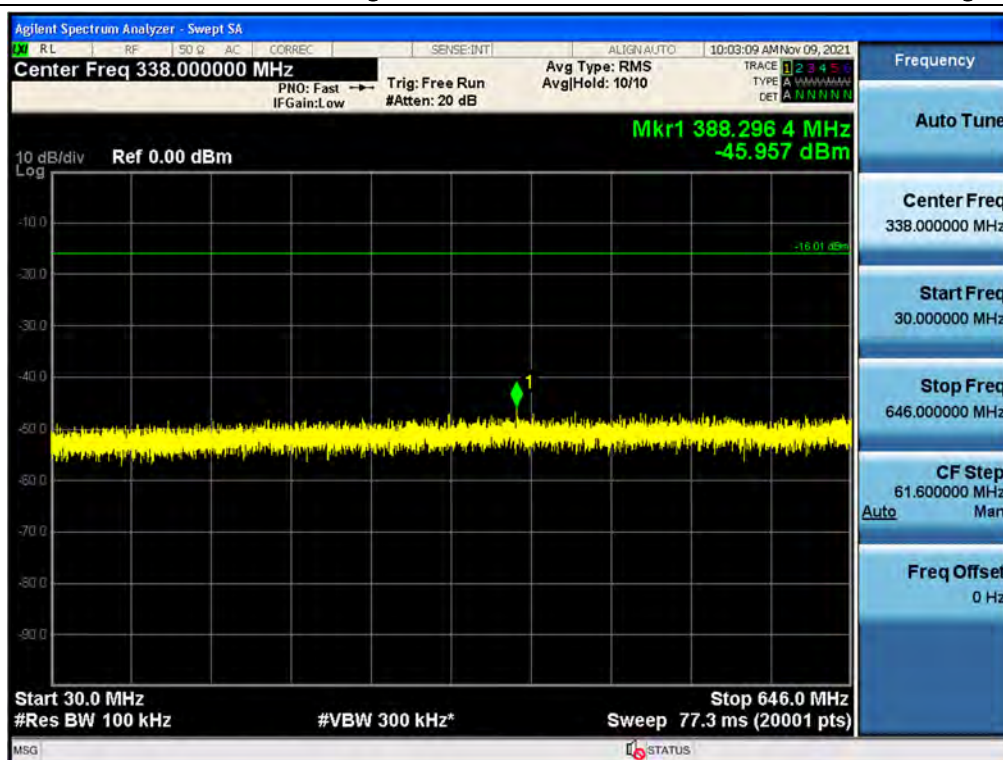
Antenna 0 / 9 kHz ~ 150 kHz / B13 LTE 5 MHz 1 Carrier / 64QAM / Low



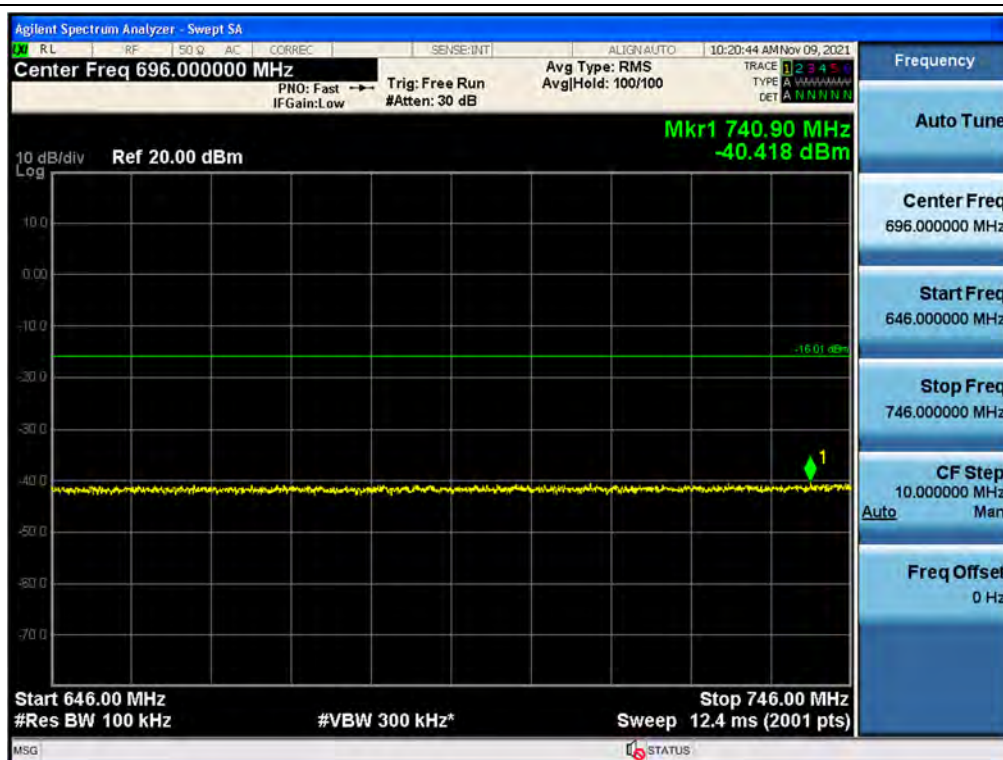
Antenna 1 / 150 kHz ~ 30 MHz / B13 LTE 5 MHz 1 Carrier / 16QAM / Low



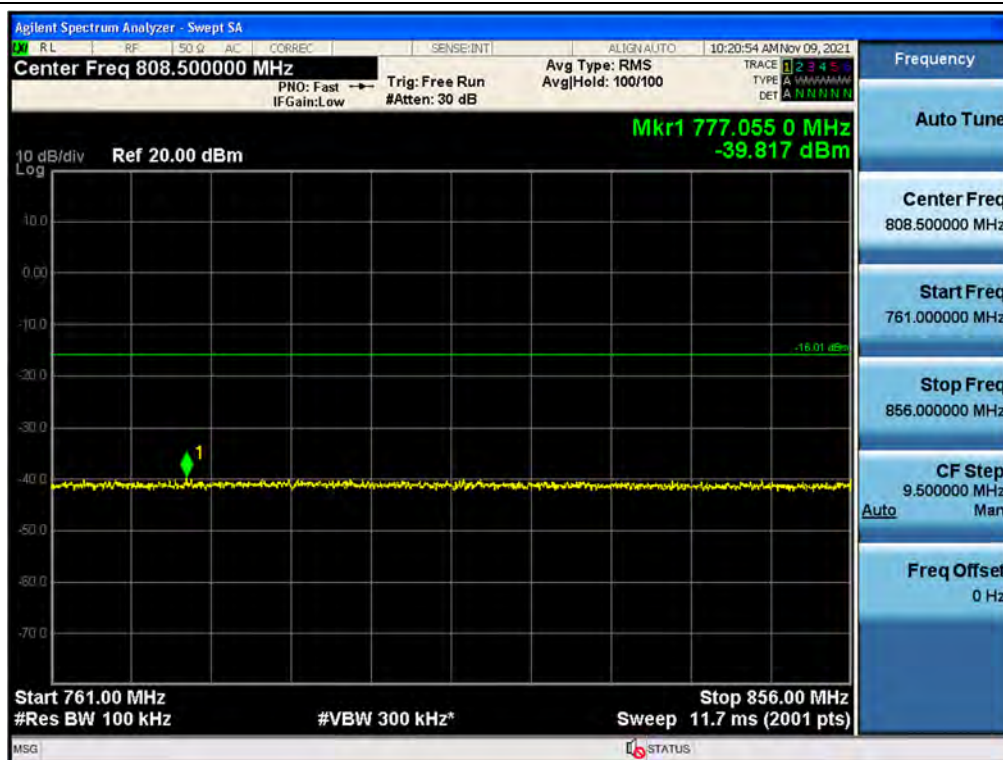
Antenna 1 / 30 MHz ~ Low Edge - 100 MHz / B13 LTE 5 MHz 1 Carrier / 64QAM / High



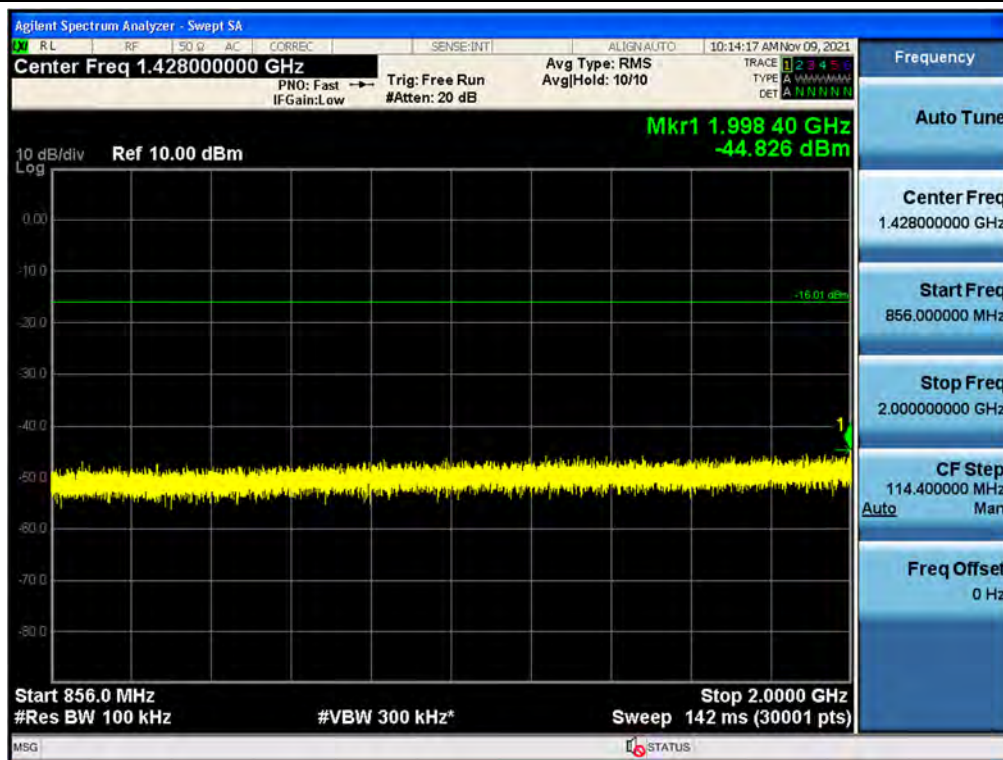
Antenna 1 / Low Edge - 100 MHz ~ Low Edge / B13 LTE 5 MHz 1 Carrier / 16QAM / High



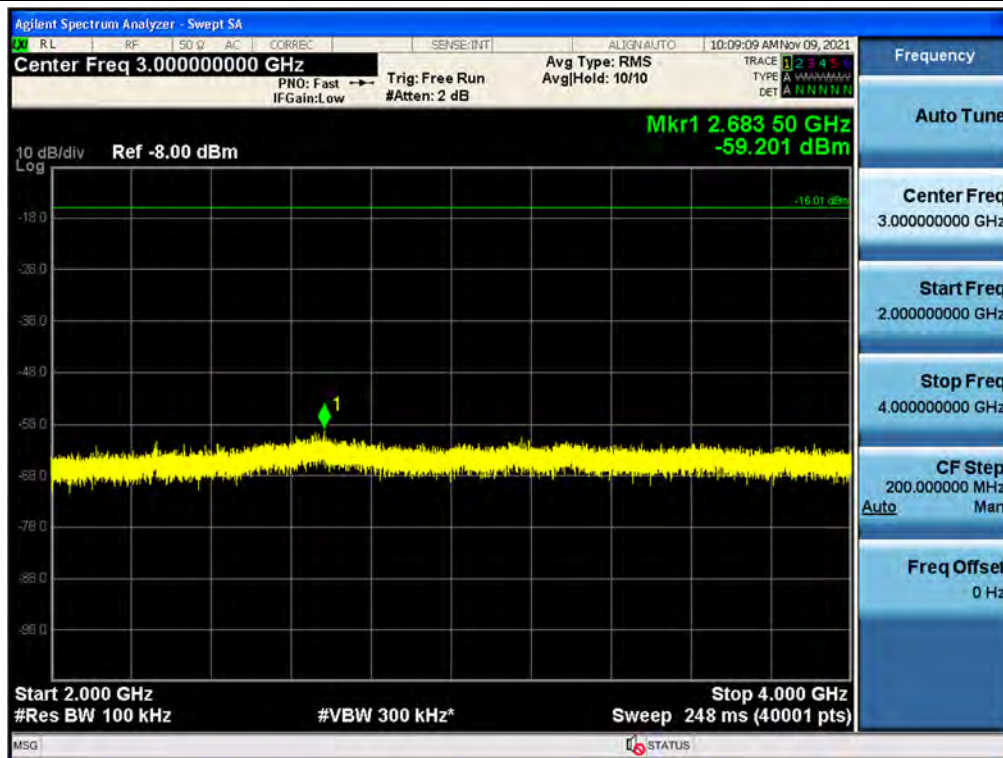
Antenna 1 / High Edge ~ High Edge + 100 MHz / B13 LTE 5 MHz 1 Carrier / 16QAM / High



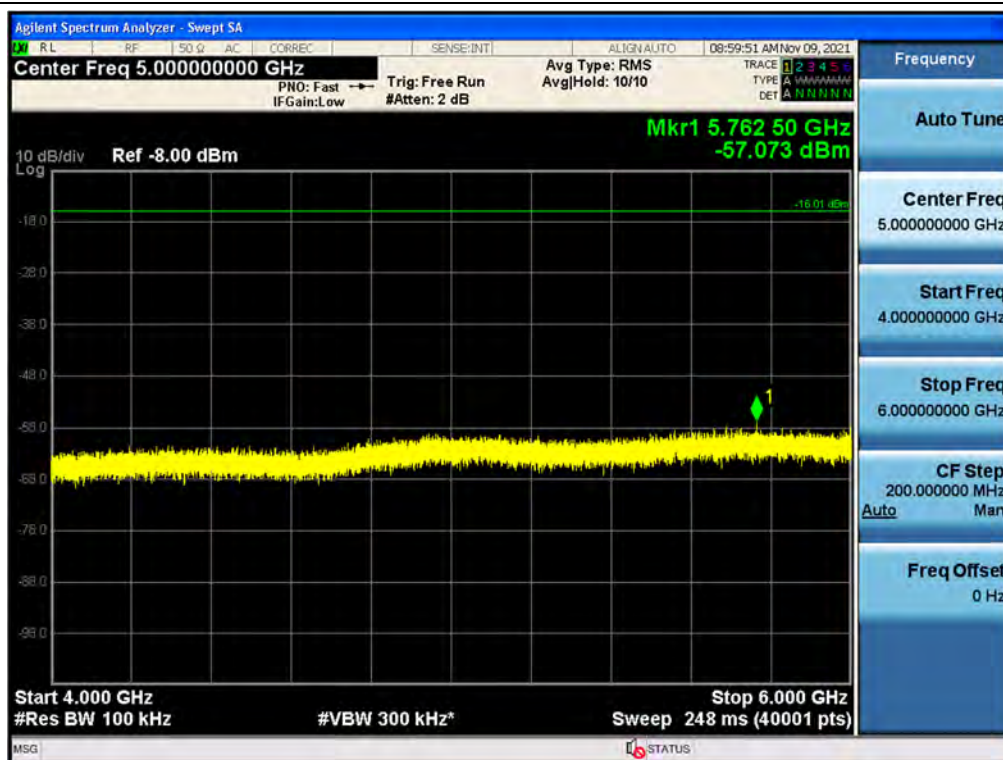
Antenna 1 / High Edge + 100 MHz ~ 2 GHz / B13 LTE 5 MHz 1 Carrier / 256QAM / High



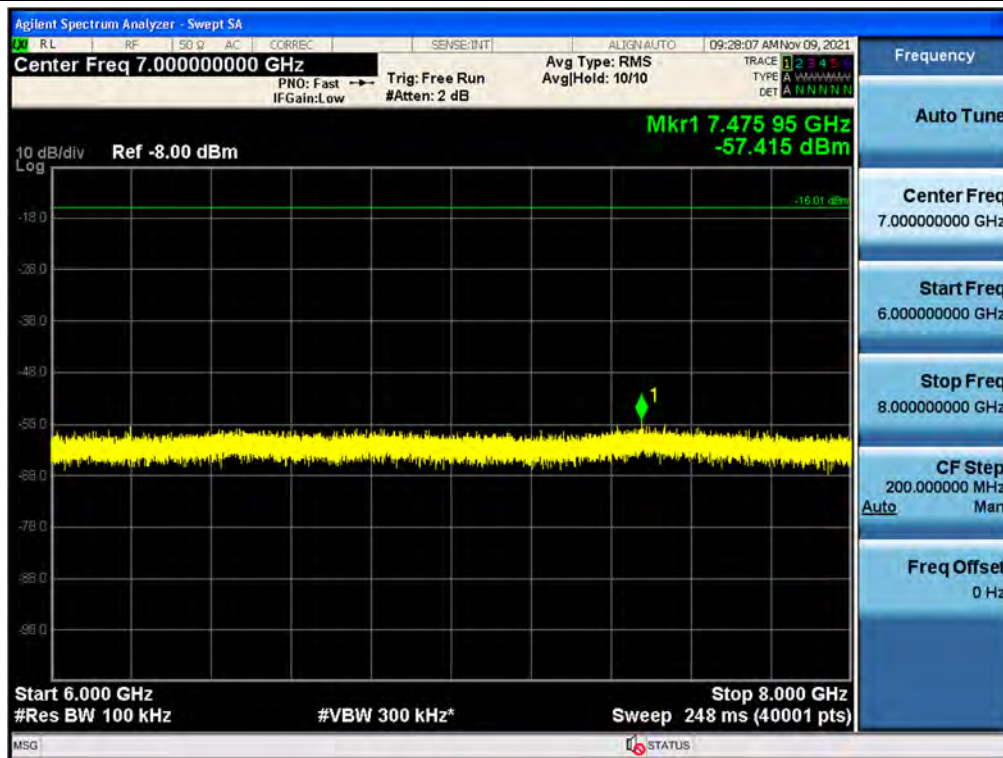
Antenna 0 / 2 GHz ~ 4 GHz / B13 LTE 5 MHz 1 Carrier / 256QAM / High



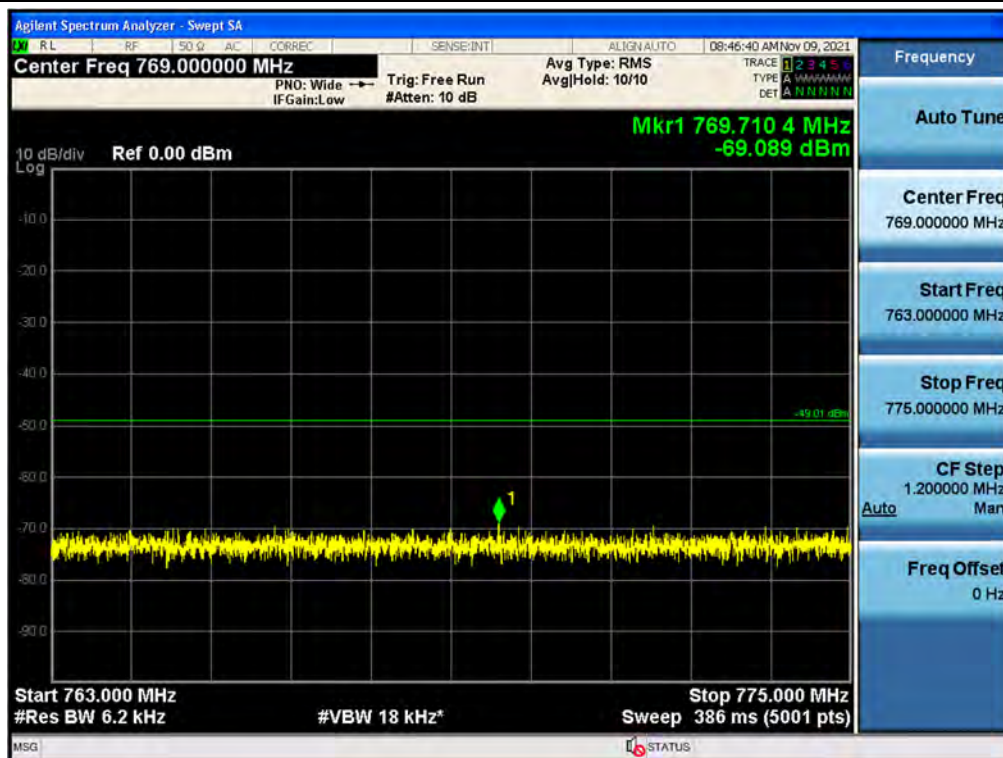
Antenna 1 / 4 GHz ~ 6 GHz / B13 LTE 5 MHz 1 Carrier / 256QAM / Low



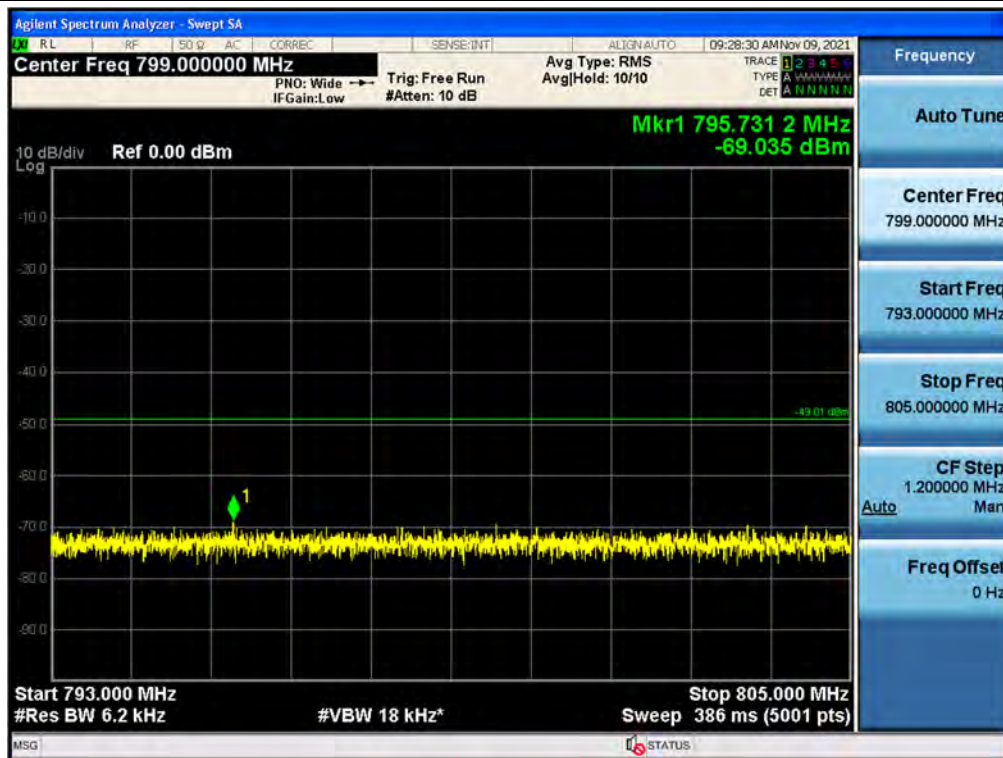
Antenna 1 / 6 GHz ~ 8 GHz / B13 LTE 5 MHz 1 Carrier / 64QAM / Middle



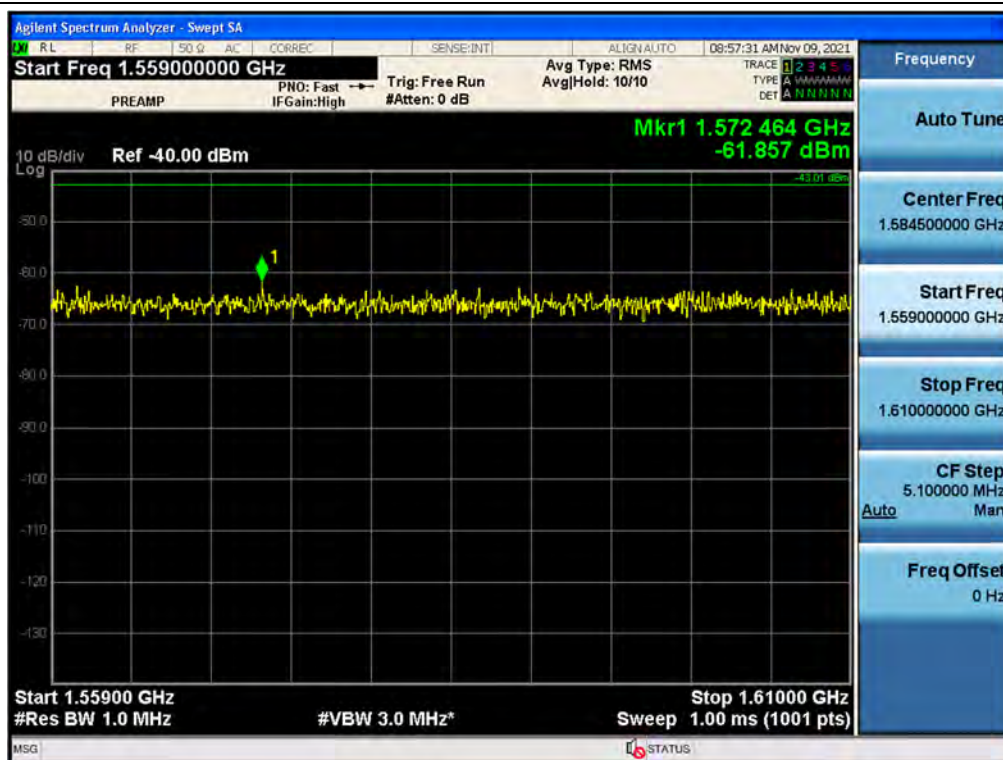
Antenna 0 / Additional 763-775 MHz / B13 LTE 5 MHz 1 Carrier / 64QAM / Low



Antenna 1 / Additional 793-805 MHz / B13 LTE 5 MHz 1 Carrier / 64QAM / Middle



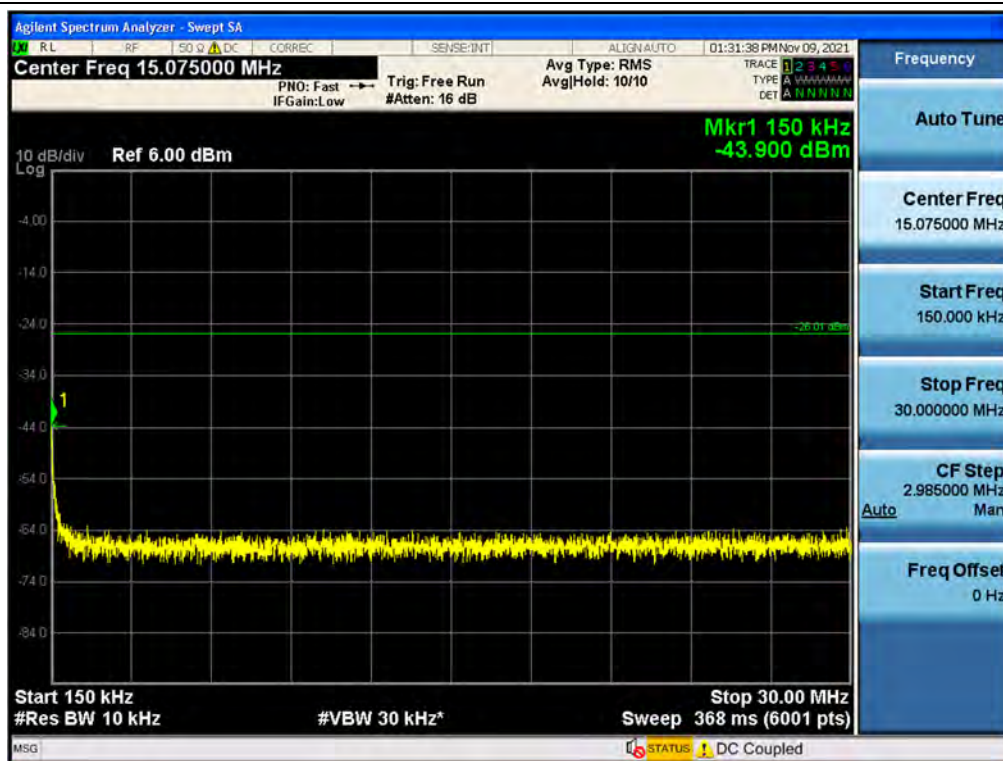
Antenna 0 / Additional 1559-1610 MHz / B13 LTE 5 MHz 1 Carrier / 256QAM / Low



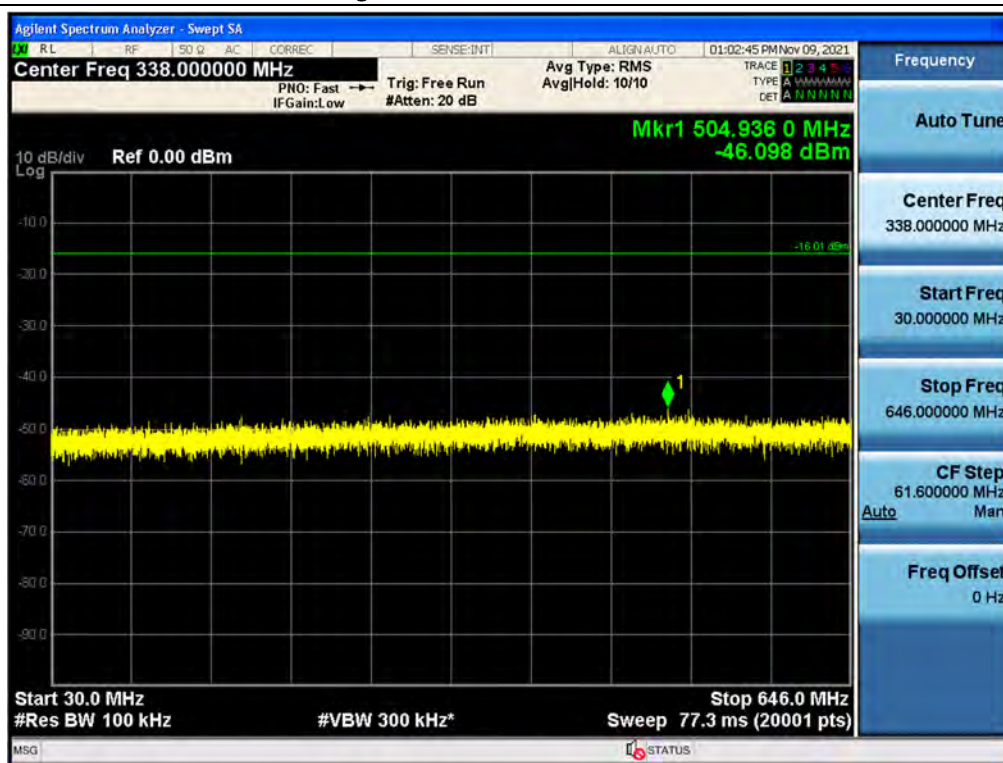
Antenna 1 / 9 kHz ~ 150 kHz / B13 LTE 10 MHz 1 Carrier / QPSK / Middle



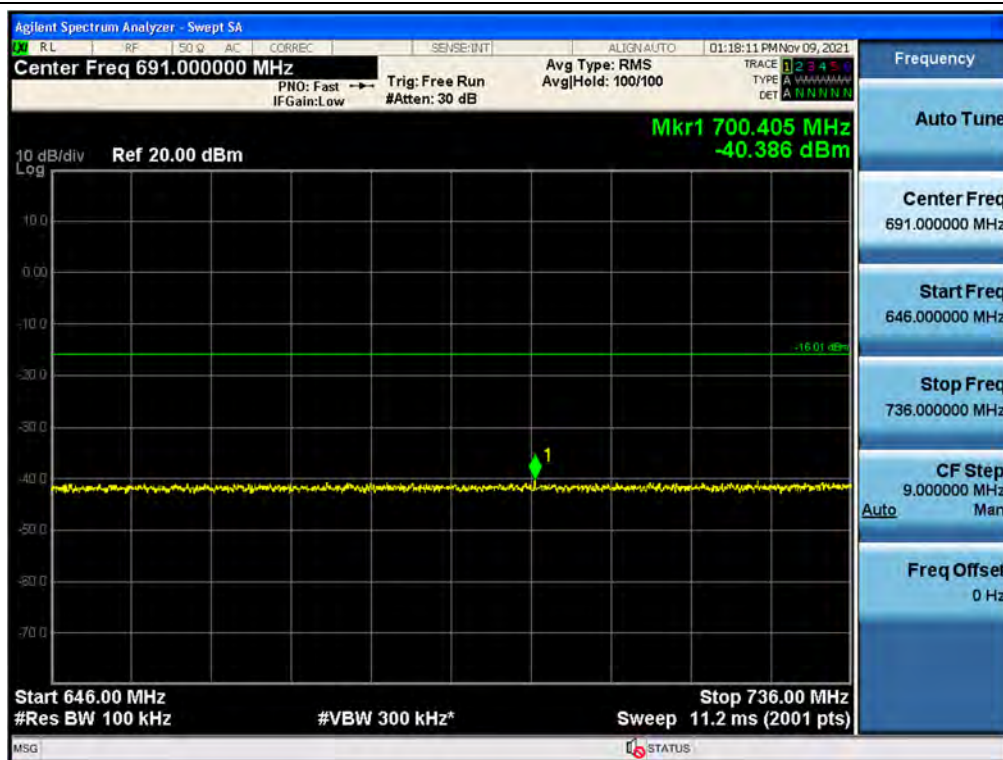
Antenna 1 / 150 kHz ~ 30 MHz / B13 LTE 10 MHz 1 Carrier / 16QAM / Middle



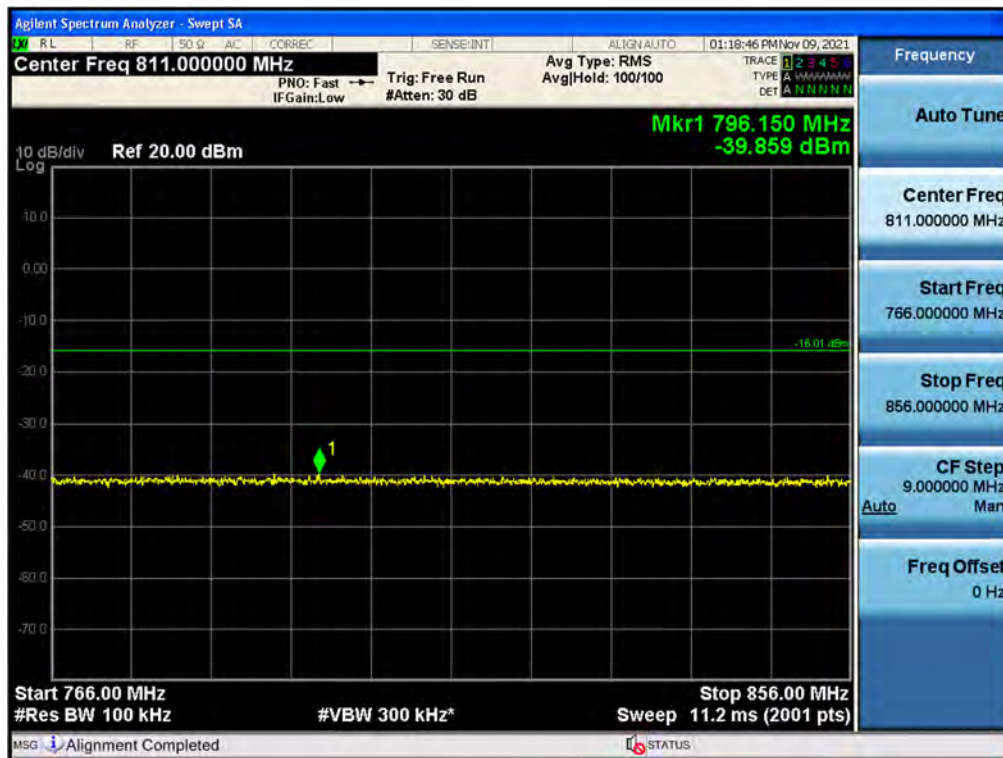
Antenna 1 / 30 MHz ~ Low Edge - 100 MHz / B13 LTE 10 MHz 1 Carrier / QPSK / Middle



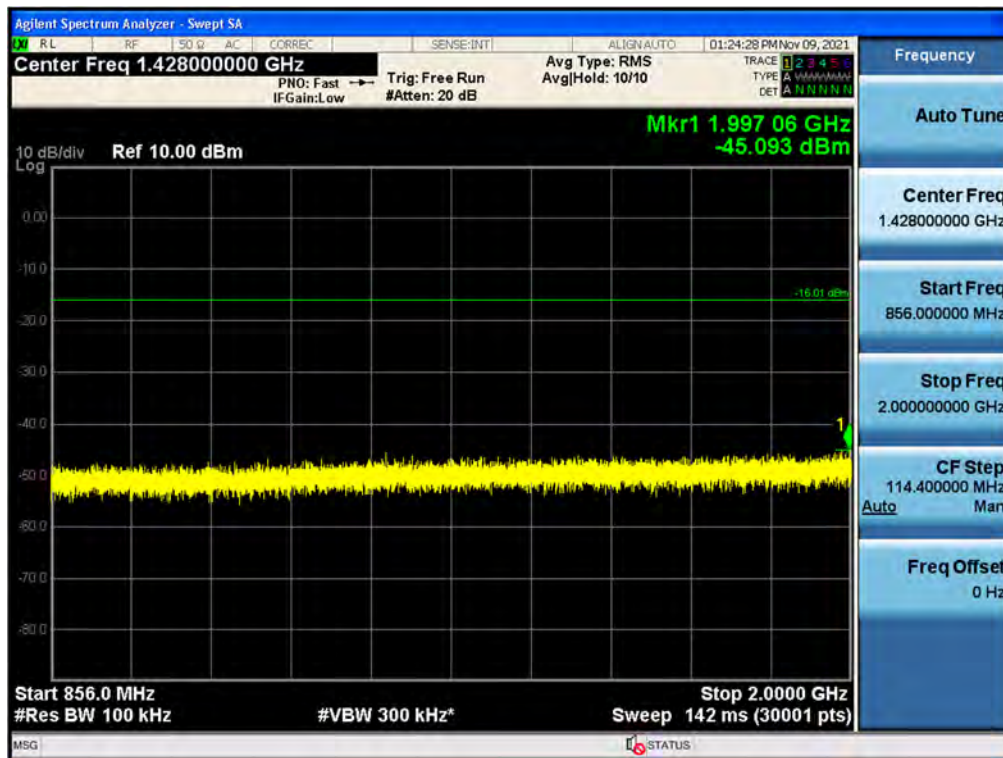
Antenna 0 / Low Edge - 100 MHz ~ Low Edge / B13 LTE 10 MHz 1 Carrier / QPSK / Middle



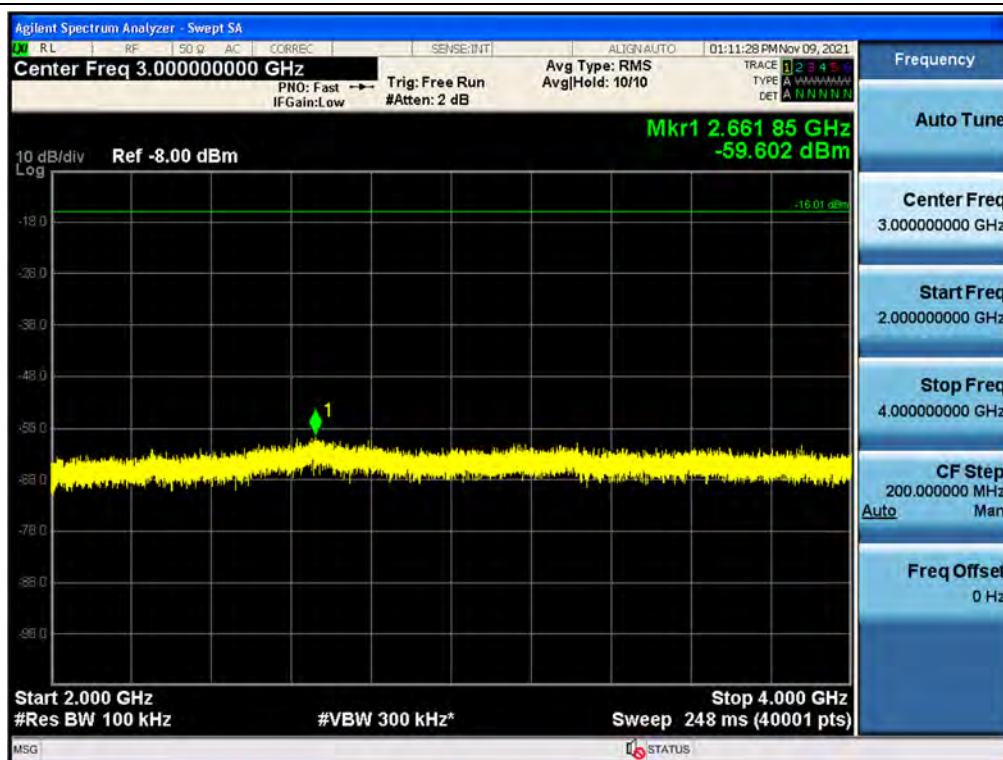
Antenna 1 / High Edge ~ High Edge + 100 MHz / B13 LTE 10 MHz 1 Carrier / QPSK / Middle



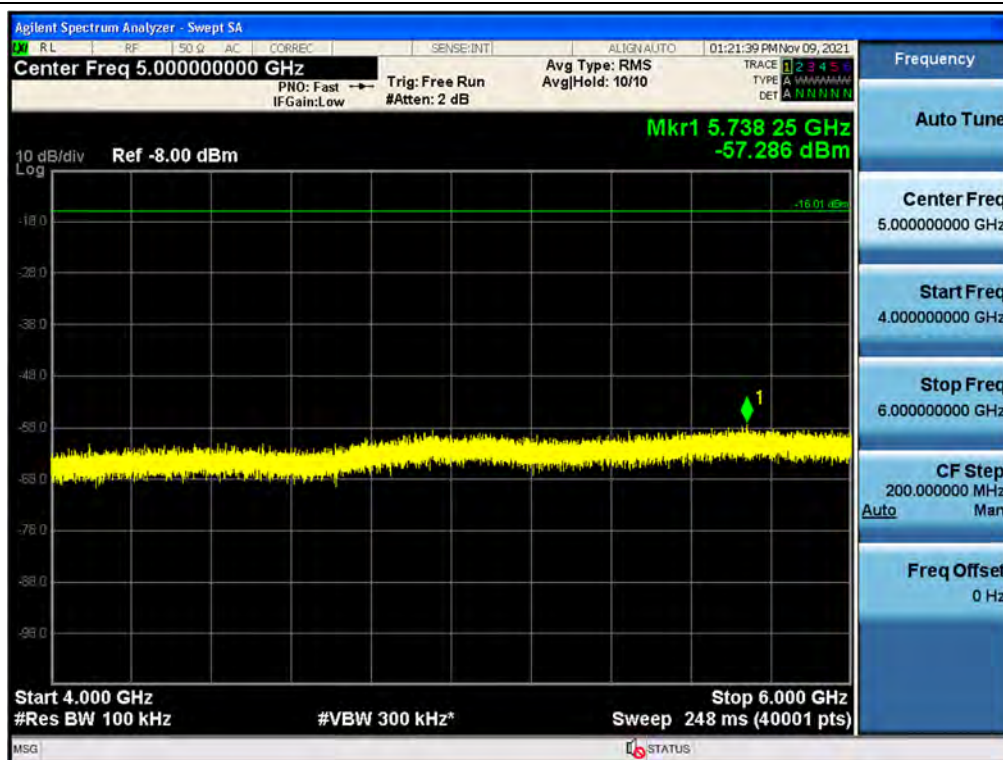
Antenna 1 / High Edge + 100 MHz ~ 2 GHz / B13 LTE 10 MHz 1 Carrier / 256QAM / Middle



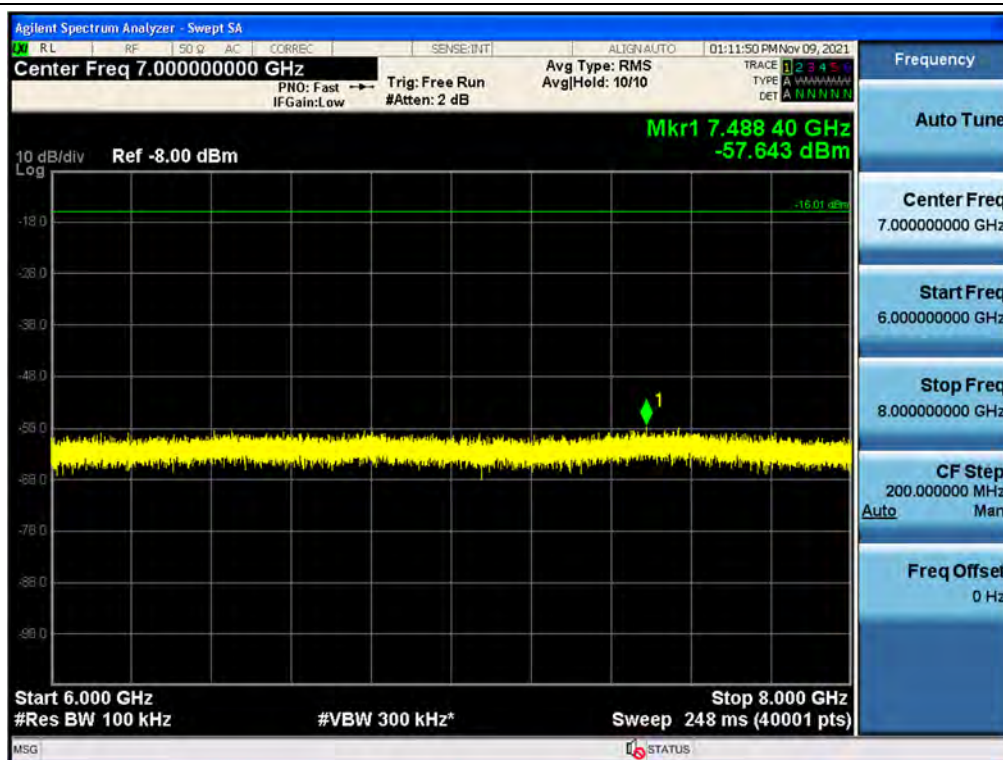
Antenna 0 / 2 GHz ~ 4 GHz / B13 LTE 10 MHz 1 Carrier / 64QAM / Middle



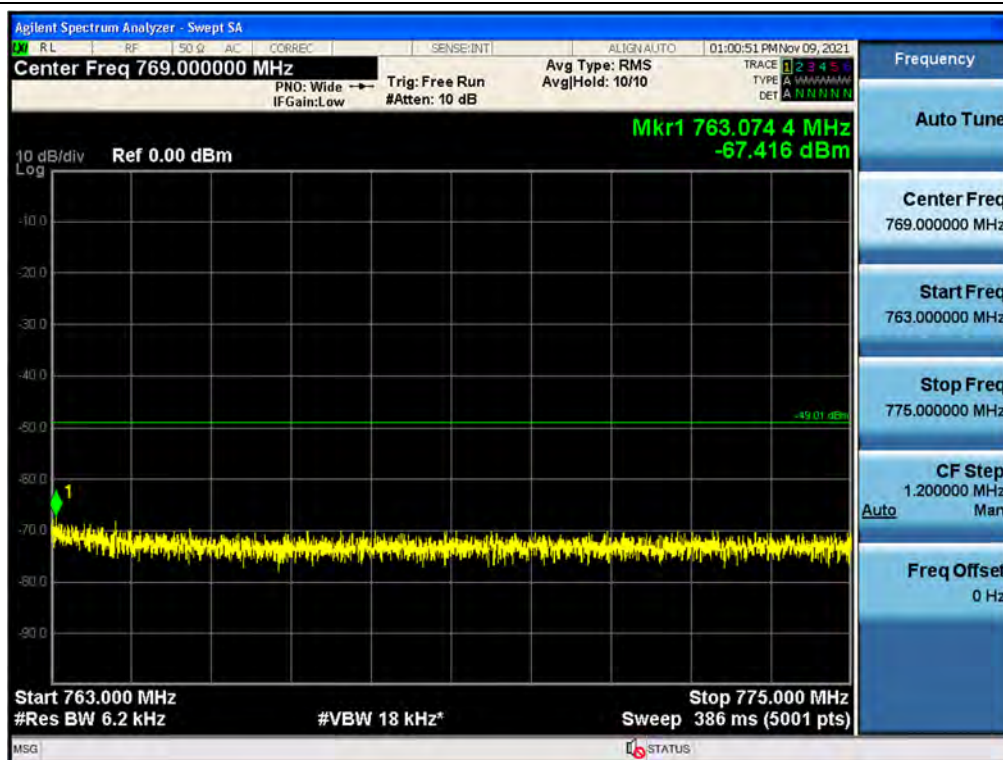
Antenna 0 / 4 GHz ~ 6 GHz / B13 LTE 10 MHz 1 Carrier / 256QAM / Middle



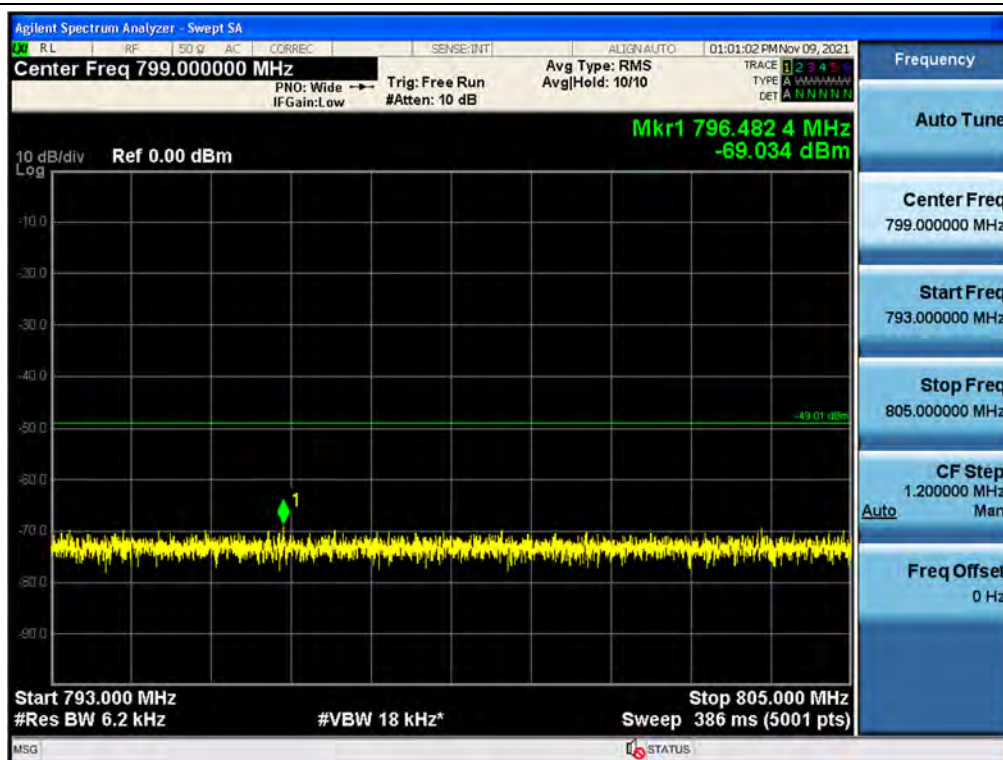
Antenna 0 / 6 GHz ~ 8 GHz / B13 LTE 10 MHz 1 Carrier / 64QAM / Middle



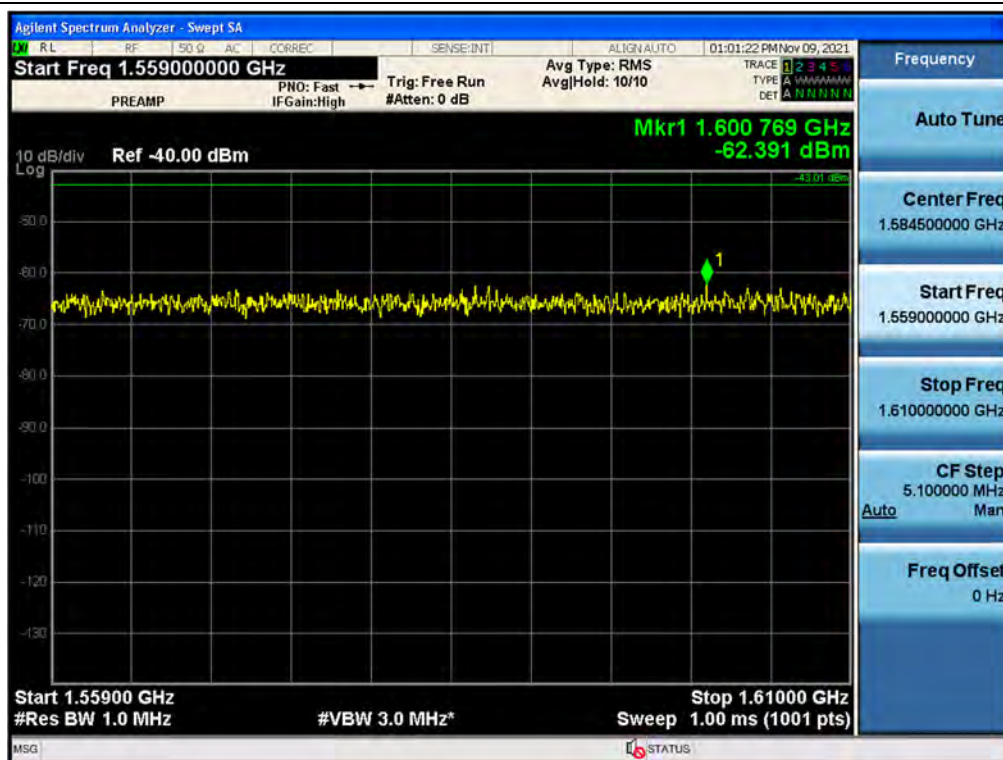
Antenna 0 / Additional 763-775 MHz / B13 LTE 10 MHz 1 Carrier / QPSK / Middle



Antenna 0 / Additional 793-805 MHz / B13 LTE 10 MHz 1 Carrier / QPSK / Middle



Antenna 0 / Additional 1559-1610 MHz / B13 LTE 10 MHz 1 Carrier / QPSK / Middle



Antenna 1 / 9 kHz ~ 150 kHz / 5G NR n13 5 MHz 1 Carrier / QPSK / Middle



Antenna 1 / 150 kHz ~ 30 MHz / 5G NR n13 5 MHz 1 Carrier / 64QAM / High

