

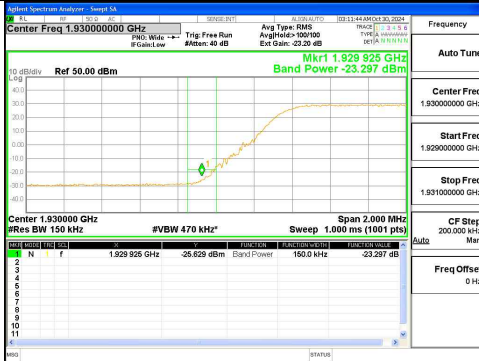


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NR 1C 15 MHz_QPSK

Lowest, Port 3

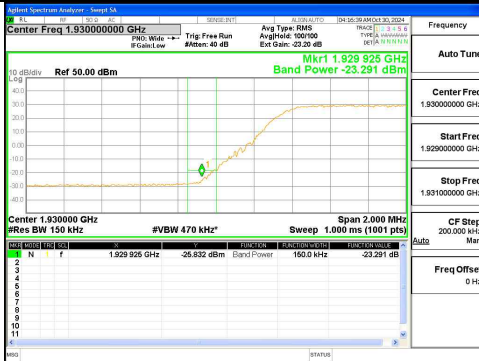


Highest, Port 1



NR 1C 15 MHz_16QAM

Lowest, Port 2

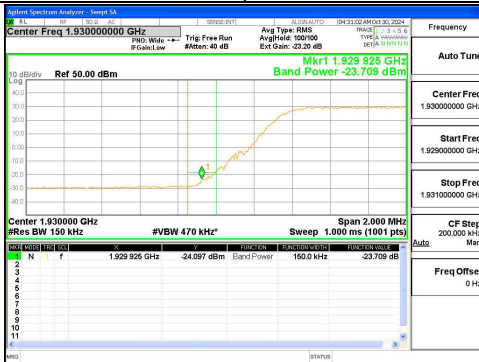


Highest, Port 1

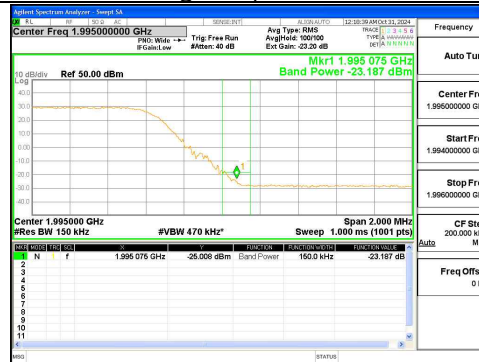


NR 1C 15 MHz_64QAM

Lowest, Port 4

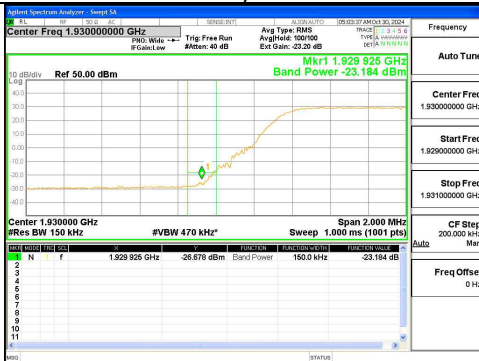


Highest, Port 2



NR 1C 15 MHz_256QAM

Lowest, Port 4



Highest, Port 2



Test mode : NR 1C 20 MHz

Channel	Port #	Measurement Range	Band edge (dBm)				Limit (dBm)
			QPSK	16QAM	64QAM	256QAM	
Lowest	1	1 929 MHz to 1 930 MHz	-24.58	-24.04	-24.19	-25.17	-19.02
	2		-24.56	-24.87	-25.52	-24.72	
	3		-24.26	-25.50	-25.23	-25.21	
	4		-24.73	-25.24	-24.91	-24.81	

Channel	Port #	Measurement Range	Band edge (dBm)				Limit (dBm)
			QPSK	16QAM	64QAM	256QAM	
Highest	1	1 995 MHz to 1 996 MHz	-25.03	-24.29	-24.27	-23.83	-19.02
	2		-24.63	-23.47	-24.95	-24.06	
	3		-24.75	-24.37	-24.70	-24.69	
	4		-25.55	-24.46	-25.05	-24.90	

See next pages for actual measured spectrum plots.

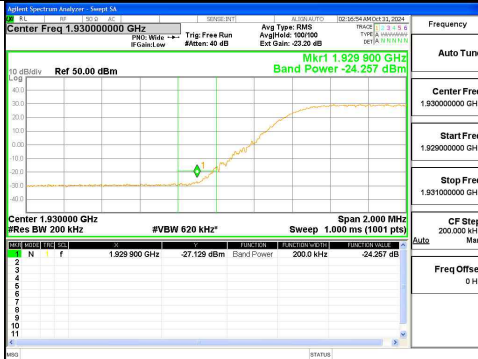


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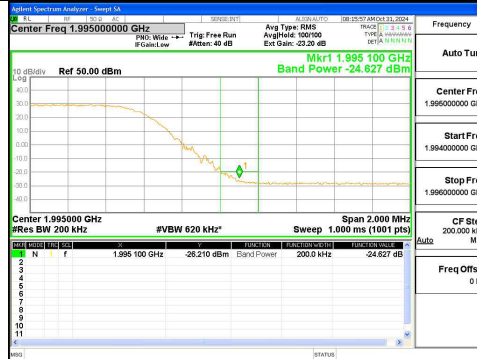
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NR 1C 20 MHz_QPSK

Lowest, Port 3

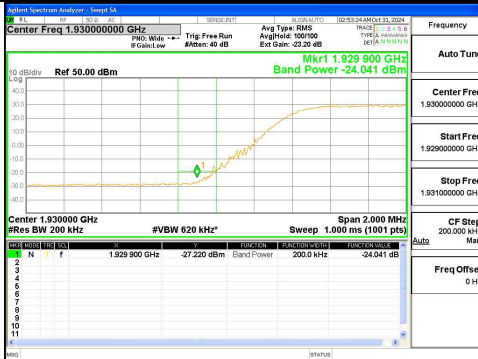


Highest, Port 2

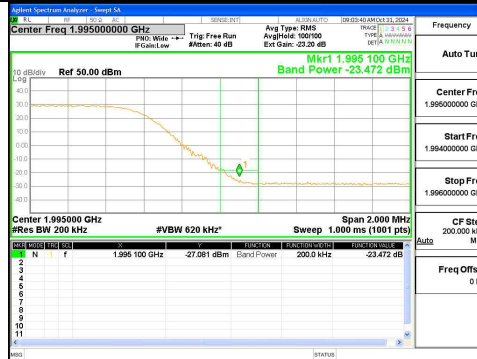


NR 1C 20 MHz_16QAM

Lowest, Port 1

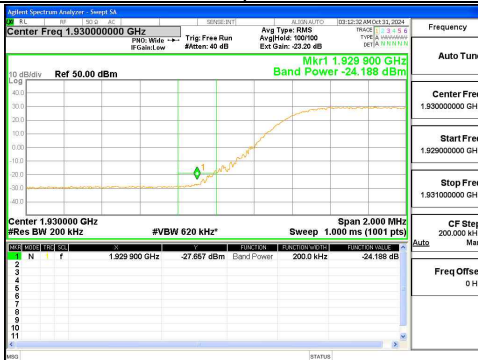


Highest, Port 2



NR 1C 20 MHz_64QAM

Lowest, Port 1

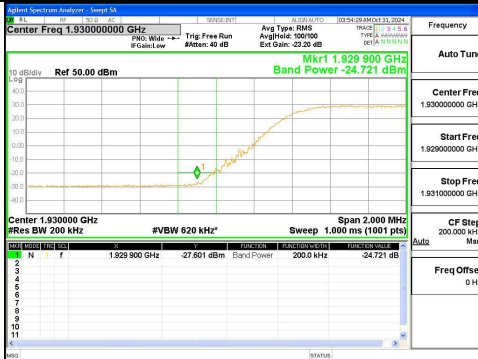


Highest, Port 1

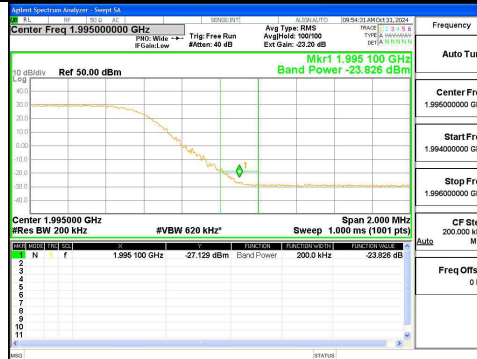


NR 1C 20 MHz_256QAM

Lowest, Port 2



Highest, Port 1



Test mode : Contiguous_LTE 1C 5 MHz + NR 1C 5 MHz

Channel	Port #	Measurement Range	Band edge (dBm)				Limit (dBm)
			QPSK	16QAM	64QAM	256QAM	
Lowest	1	1 929 MHz to 1 930 MHz	-25.44	-26.66	-25.55	-25.81	-19.02
	2		-25.73	-26.58	-26.16	-26.01	
	3		-25.72	-27.12	-25.69	-26.00	
	4		-25.68	-26.31	-25.66	-26.34	

Channel	Port #	Measurement Range	Band edge (dBm)				Limit (dBm)
			QPSK	16QAM	64QAM	256QAM	
Highest	1	1 995 MHz to 1 996 MHz	-24.11	-24.74	-23.96	-24.56	-19.02
	2		-24.77	-24.76	-23.74	-23.82	
	3		-24.42	-24.88	-24.68	-24.92	
	4		-24.16	-24.93	-24.17	-24.15	

See next pages for actual measured spectrum plots.

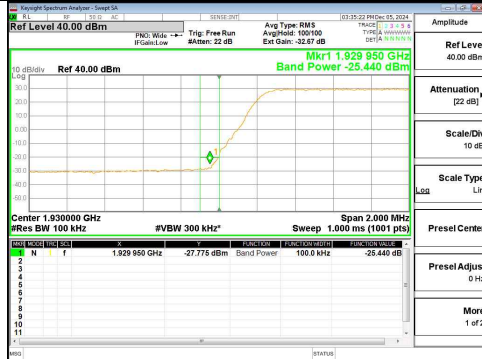


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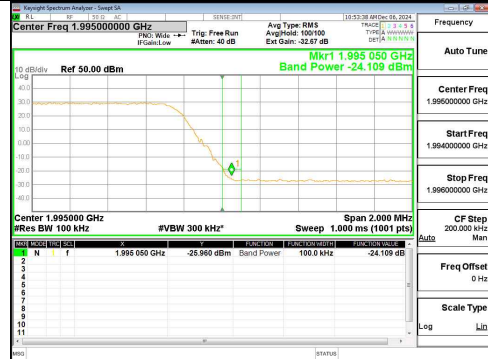
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Contiguous LTE 1C 5 MHz + NR 1C 5 MHz_QPSK

Lowest, Port 1

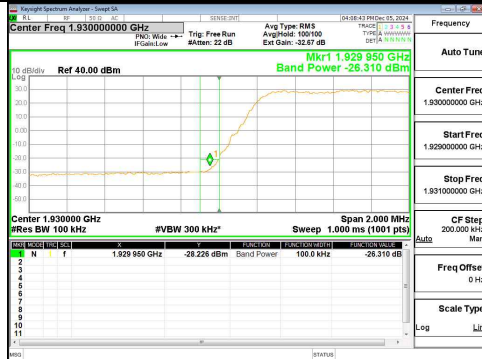


Highest, Port 1

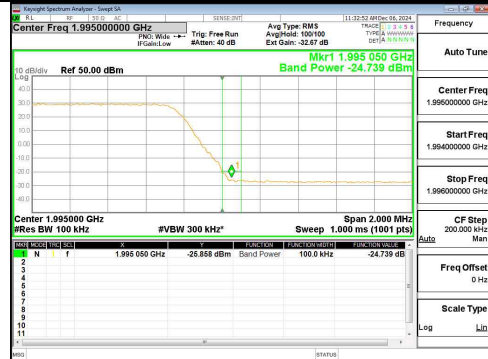


Contiguous LTE 1C 5 MHz + NR 1C 5 MHz_16QAM

Lowest, Port 4

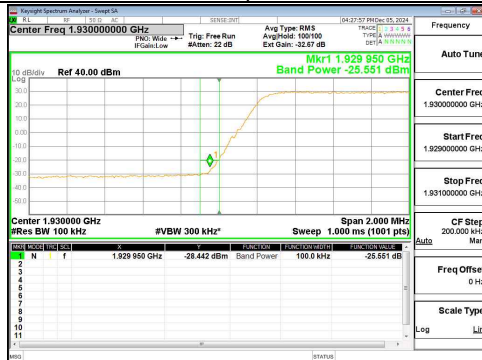


Highest, Port 1

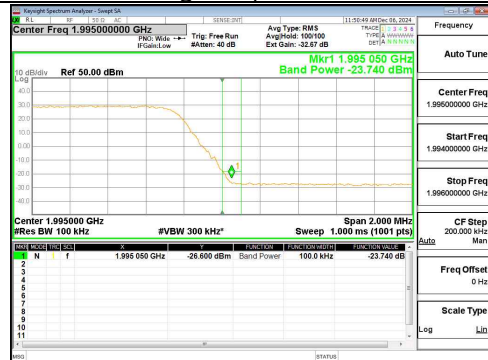


Contiguous LTE 1C 5 MHz + NR 1C 5 MHz_64QAM

Lowest, Port 1

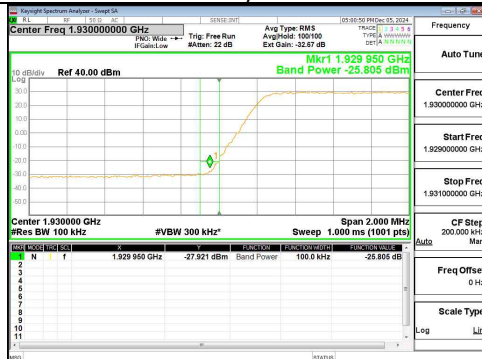


Highest, Port 2

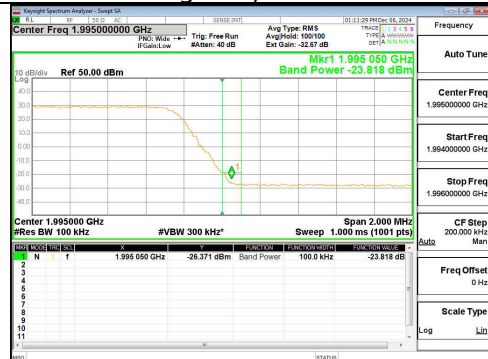


Contiguous LTE 1C 5 MHz + NR 1C 5 MHz_256QAM

Lowest, Port 1



Highest, Port 2

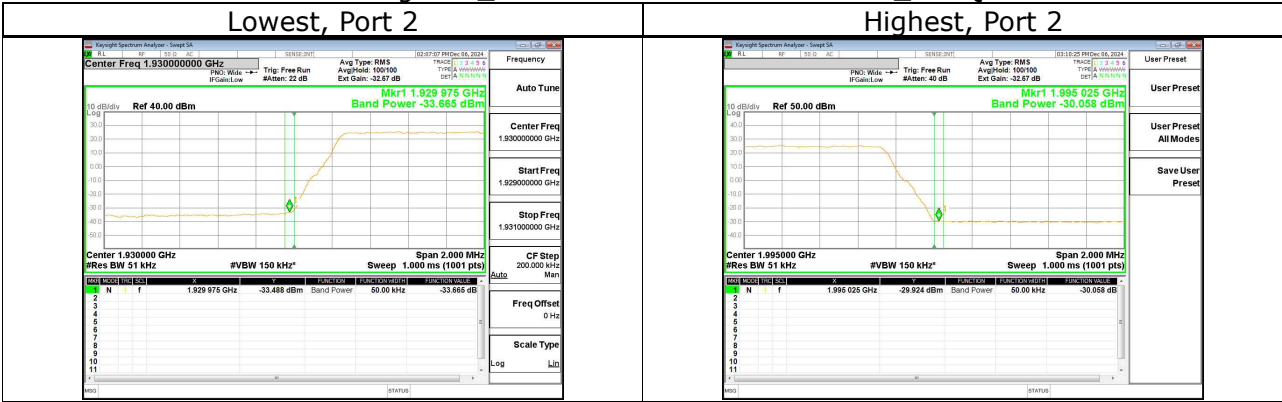


Test mode : Non-Contiguous_LTE 1C 5 MHz + NR 1C 5 MHz

Channel	Port #	Measurement Range	Band edge (dBm)				Limit (dBm)
			QPSK	16QAM	64QAM	256QAM	
Lowest	1	1 929 MHz to 1 930 MHz				-34.23	-19.02
	2					-33.67	
	3					-34.44	
	4					-33.73	
Highest	1	1 995 MHz to 1 996 MHz				-30.50	-19.02
	2					-30.06	
	3					-30.44	
	4					-30.16	

See next pages for actual measured spectrum plots.

Non-Contiguous_LTE 1C 5 MHz + NR 1C 5 MHz_256QAM



Test mode : Contiguous_LTE 2C 5 MHz + 10 MHz + NR 1C 10 MHz

Channel	Port #	Measurement Range	Band edge (dBm)				Limit (dBm)
			QPSK	16QAM	64QAM	256QAM	
Lowest	1	1 929 MHz to 1 930 MHz	-24.14	-23.72	-23.80	-23.19	-19.02
	2		-24.31	-25.51	-25.30	-25.33	
	3		-24.37	-24.46	-24.22	-24.33	
	4		-23.30	-23.90	-24.40	-23.27	

Channel	Port #	Measurement Range	Band edge (dBm)				Limit (dBm)
			QPSK	16QAM	64QAM	256QAM	
Highest	1	1 995 MHz to 1 996 MHz	-22.77	-22.70	-22.81	-22.17	-19.02
	2		-23.04	-22.91	-23.24	-23.18	
	3		-22.68	-22.45	-22.54	-22.68	
	4		-22.18	-22.39	-22.60	-22.16	

See next pages for actual measured spectrum plots.

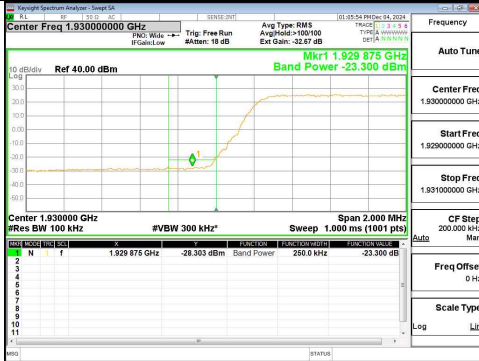


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Contiguous LTE 2C 5 MHz + 10 MHz + NR 1C 10 MHz QPSK

Lowest, Port 4

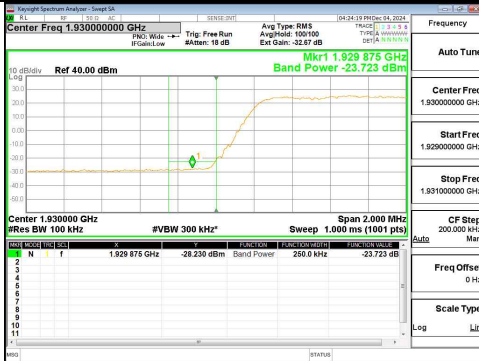


Highest, Port 4

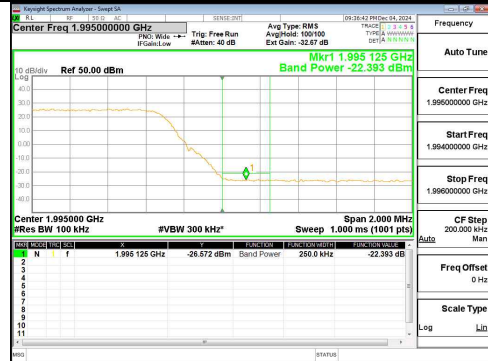


Contiguous LTE 2C 5 MHz + 10 MHz + NR 1C 10 MHz 16QAM

Lowest, Port 1

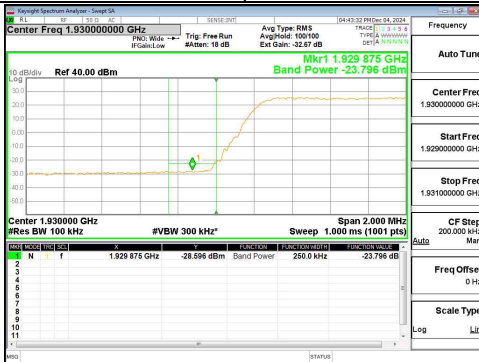


Highest, Port 4

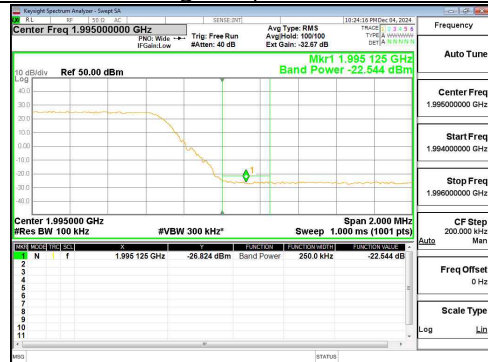


Contiguous LTE 2C 5 MHz + 10 MHz + NR 1C 10 MHz 64QAM

Lowest, Port 1

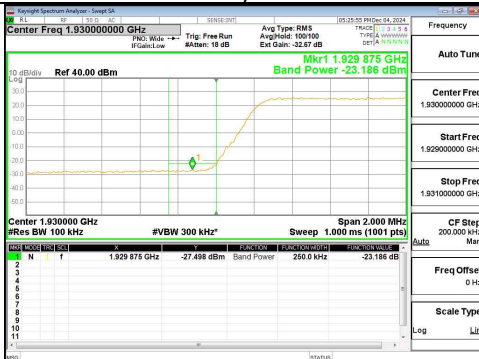


Highest, Port 3

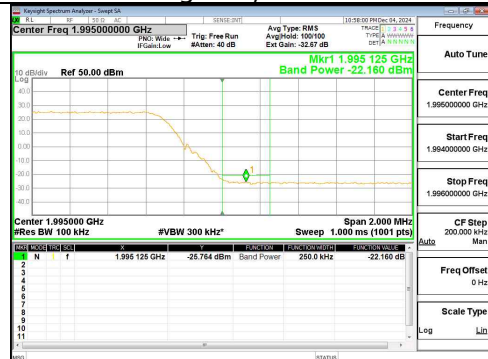


Contiguous LTE 2C 5 MHz + 10 MHz + NR 1C 10 MHz 256QAM

Lowest, Port 1



Highest, Port 4



Test mode : Non-Contiguous_LTE 2C 5 MHz + 10 MHz + NR 1C 10 MHz

Channel	Port #	Measurement Range	Band edge (dBm)				Limit (dBm)
			QPSK	16QAM	64QAM	256QAM	
Lowest	1	1 929 MHz to 1 930 MHz			-29.28		-19.02
	2				-29.45		
	3				-27.42		
	4				-28.36		
Highest	1	1 995 MHz to 1 996 MHz			-27.39		-19.02
	2				-27.46		
	3				-27.50		
	4				-26.62		

See next pages for actual measured spectrum plots.

Non-Contiguous_LTE 2C 5 MHz + 10 MHz + NR 1C 10 MHz_64QAM



4.6 Spurious and Harmonic Emissions at Antenna Terminal

Test Procedures :

KDB 971168 D01 v03r01 – Section 6

KDB 662911 D01 v02r01 – Section E)3) Out-of-Band and Spurious Emission Measurements

a) Absolute Emission Limits

iii) Measure and $10 \log(N_{ANT})$ dB

ANSI C63.26-2015 – Section 5.7

Test Settings :

a) RBW = Please see test notes below.

b) $VBW \geq 3 \times RBW$

c) Detector = RMS

d) Sweep time = auto couple

e) Trace mode = trace average

f) Sweep point $\geq 2 \times \text{span} / RBW$

g) Allow trace to fully stabilize

h) Use the peak marker function to determine the maximum amplitude level.

Limit :

The minimum permissible attenuation level of any spurious emission is $43 + \log_{10}(P[\text{Watts}])$, where P is the transmitter power in Watts. The power of any emission outside of the authorized operating frequency range cannot exceed -13 dBm. The limit is adjusted to -19.02 dBm $[-13 \text{ dBm} - 10 \log(4)]$ per KDB 662911 D01 v02r01 - section E)3) because the EUT operate as a 4 port MIMO transmitter.

Test note :

- All modes of operation were investigated and the worst configuration result plots are reported in each operating band. The port with spurious Emissions i.e. worst case port per modulation has been highlighted in the following spurious Emissions tables.
- 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.
- The limit for the 9 kHz to 150 kHz frequency range was adjusted to -49.02 dBm to correct for a spectrum analyzer RBW of 1 kHz versus required RBW of 1 MHz [i.e.: $-49.02 \text{ dBm} = -19.02 \text{ dBm} - 10 \log(1 \text{ MHz} / 1 \text{ kHz})$].
 The limit for the 150 kHz to 30 MHz frequency range was adjusted to -39.02 dBm to correct for a spectrum analyzer RBW of 10 kHz versus required RBW of 1 MHz [i.e.: $-39.02 \text{ dBm} = -19.02 \text{ dBm} - 10 \log(1 \text{ MHz} / 10 \text{ kHz})$].
 The limit for the 1 GHz to 3 GHz frequency range was adjusted to -29.02 dBm to correct for a spectrum analyzer RBW of 100 kHz versus required RBW of 1 MHz [i.e.: $-29.02 \text{ dBm} = -19.02 \text{ dBm} - 10 \log(1 \text{ MHz} / 100 \text{ kHz})$].

Test Result :

Test mode : LTE 1C 5 MHz

Channel	Measurement Range	Port	Level(dBm)				Limit (dBm)
			QPSK	16QAM	64QAM	256QAM	
Lowest	9 kHz to 150 kHz	1	-54.86	-54.52	-55.37	-54.45	-49.02
	150 kHz to 30 MHz		-48.73	-48.88	-49.15	-48.33	-39.02
	30 MHz to 1 000 MHz		-57.29	-57.09	-57.51	-57.47	-19.02
	1 GHz to 1 929 MHz		-31.50	-32.91	-30.93	-31.21	-29.02
	1 996 MHz to 3 GHz		-36.74	-36.45	-36.65	-36.44	-29.02
	3 GHz to 20 GHz		-45.74	-45.95	-46.03	-46.02	-19.02
	9 kHz to 150 kHz	2	-55.55	-54.81	-54.86	-55.36	-49.02
	150 kHz to 30 MHz		-48.91	-48.76	-49.03	-48.41	-39.02
	30 MHz to 1 000 MHz		-57.43	-57.59	-57.54	-57.40	-19.02
	1 GHz to 1 929 MHz		-31.15	-33.09	-31.78	-31.80	-29.02
	1 996 MHz to 3 GHz		-36.75	-37.05	-37.06	-37.11	-29.02
	3 GHz to 20 GHz		-45.79	-45.96	-46.03	-46.01	-19.02
	9 kHz to 150 kHz	3	-55.59	-55.80	-55.21	-54.17	-49.02
	150 kHz to 30 MHz		-48.93	-49.14	-48.77	-48.17	-39.02
	30 MHz to 1 000 MHz		-57.57	-57.29	-57.40	-57.51	-19.02
	1 GHz to 1 929 MHz		-30.66	-33.18	-30.56	-33.31	-29.02
	1 996 MHz to 3 GHz		-36.64	-36.85	-36.80	-36.79	-29.02
	3 GHz to 20 GHz		-45.80	-45.95	-45.90	-46.03	-19.02
	9 kHz to 150 kHz	4	-55.26	-54.79	-55.43	-54.79	-49.02
	150 kHz to 30 MHz		-48.99	-48.70	-48.78	-48.70	-39.02
	30 MHz to 1 000 MHz		-57.41	-57.45	-57.45	-57.40	-19.02
	1 GHz to 1 929 MHz		-33.36	-32.85	-32.18	-33.25	-29.02
	1 996 MHz to 3 GHz		-36.86	-36.93	-36.91	-36.67	-29.02
	3 GHz to 20 GHz		-45.78	-45.88	-46.07	-45.92	-19.02

See next pages for actual measured spectrum plots.

Channel	Measurement Range	Port	Level(dBm)				Limit (dBm)
			QPSK	16QAM	64QAM	256QAM	
Middle	9 kHz to 150 kHz	1	-54.77	-55.84	-56.08	-55.14	-49.02
	150 kHz to 30 MHz		-48.41	-48.78	-49.61	-49.54	-39.02
	30 MHz to 1 000 MHz		-57.58	-57.39	-57.59	-57.40	-19.02
	1 GHz to 1 929 MHz		-37.12	-37.18	-37.34	-37.03	-29.02
	1 996 MHz to 3 GHz		-36.57	-36.42	-37.02	-36.53	-29.02
	3 GHz to 20 GHz		-46.07	-46.38	-46.39	-46.38	-19.02
	9 kHz to 150 kHz	2	-54.08	-55.69	-55.52	-55.97	-49.02
	150 kHz to 30 MHz		-48.54	-49.06	-48.98	-48.91	-39.02
	30 MHz to 1 000 MHz		-57.51	-57.33	-57.65	-57.63	-19.02
	1 GHz to 1 929 MHz		-37.69	-37.56	-37.47	-37.45	-29.02
	1 996 MHz to 3 GHz		-37.14	-37.18	-37.15	-37.25	-29.02
	3 GHz to 20 GHz		-46.06	-46.38	-46.59	-46.38	-19.02
	9 kHz to 150 kHz	3	-55.25	-55.54	-55.92	-54.62	-49.02
	150 kHz to 30 MHz		-48.73	-49.14	-48.55	-48.96	-39.02
	30 MHz to 1 000 MHz		-57.40	-57.40	-57.52	-57.50	-19.02
	1 GHz to 1 929 MHz		-37.69	-37.82	-37.88	-37.84	-29.02
	1 996 MHz to 3 GHz		-37.14	-37.40	-37.36	-37.34	-29.02
	3 GHz to 20 GHz		-46.01	-46.33	-46.41	-46.35	-19.02
	9 kHz to 150 kHz	4	-54.56	-55.46	-54.25	-55.11	-49.02
	150 kHz to 30 MHz		-48.73	-49.41	-49.34	-49.44	-39.02
	30 MHz to 1 000 MHz		-57.47	-57.45	-57.35	-57.52	-19.02
	1 GHz to 1 929 MHz		-37.44	-37.08	-37.64	-37.32	-29.02
	1 996 MHz to 3 GHz		-37.11	-37.11	-37.28	-36.89	-29.02
	3 GHz to 20 GHz		-46.15	-46.28	-46.36	-46.42	-19.02

See next pages for actual measured spectrum plots.

Channel	Measurement Range	Port	Level(dBm)				Limit (dBm)
			QPSK	16QAM	64QAM	256QAM	
Highest	9 kHz to 150 kHz	1	-54.94	-55.65	-54.70	-55.97	-49.02
	150 kHz to 30 MHz		-48.24	-48.93	-48.34	-49.09	-39.02
	30 MHz to 1 000 MHz		-57.37	-57.43	-57.45	-57.31	-19.02
	1 GHz to 1 929 MHz		-37.09	-37.06	-37.07	-36.96	-29.02
	1 996 MHz to 3 GHz		-31.54	-30.98	-32.87	-32.78	-29.02
	3 GHz to 20 GHz		-46.28	-46.10	-46.08	-45.94	-19.02
	9 kHz to 150 kHz	2	-55.67	-55.68	-56.53	-55.10	-49.02
	150 kHz to 30 MHz		-49.03	-48.73	-48.69	-48.51	-39.02
	30 MHz to 1 000 MHz		-57.57	-57.59	-57.48	-57.47	-19.02
	1 GHz to 1 929 MHz		-37.34	-37.51	-37.60	-37.59	-29.02
	1 996 MHz to 3 GHz		-30.90	-31.37	-32.61	-32.42	-29.02
	3 GHz to 20 GHz		-46.29	-46.19	-46.13	-46.00	-19.02
	9 kHz to 150 kHz	3	-54.58	-55.23	-55.81	-54.90	-49.02
	150 kHz to 30 MHz		-49.17	-49.08	-48.46	-48.95	-39.02
	30 MHz to 1 000 MHz		-57.44	-57.24	-57.47	-57.22	-19.02
	1 GHz to 1 929 MHz		-37.71	-37.71	-37.61	-37.52	-29.02
	1 996 MHz to 3 GHz		-31.67	-32.31	-32.14	-31.28	-29.02
	3 GHz to 20 GHz		-46.20	-46.13	-46.06	-46.02	-19.02
	9 kHz to 150 kHz	4	-54.91	-55.26	-55.38	-55.26	-49.02
	150 kHz to 30 MHz		-48.34	-48.84	-49.02	-48.82	-39.02
	30 MHz to 1 000 MHz		-57.51	-57.52	-57.37	-57.35	-19.02
	1 GHz to 1 929 MHz		-37.36	-37.40	-37.46	-37.57	-29.02
	1 996 MHz to 3 GHz		-30.78	-32.13	-31.67	-32.05	-29.02
	3 GHz to 20 GHz		-46.27	-46.06	-46.16	-45.97	-19.02

See next pages for actual measured spectrum plots.



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LTE 1C 5 MHz_64QAM_Lowest, Port 3



Test mode : LTE 1C 10 MHz

Channel	Measurement Range	Port	Level(dBm)				Limit (dBm)
			QPSK	16QAM	64QAM	256QAM	
Lowest	9 kHz to 150 kHz	1	-55.32	-54.99	-54.45	-55.06	-49.02
	150 kHz to 30 MHz		-49.11	-48.45	-49.08	-48.66	-39.02
	30 MHz to 1 000 MHz		-57.40	-57.53	-57.51	-57.45	-19.02
	1 GHz to 1 929 MHz		-30.91	-30.36	-30.42	-30.47	-29.02
	1 996 MHz to 3 GHz		-35.58	-35.45	-35.57	-35.49	-29.02
	3 GHz to 20 GHz		-46.05	-45.95	-45.94	-45.86	-19.02
	9 kHz to 150 kHz	2	-55.49	-55.60	-55.15	-55.45	-49.02
	150 kHz to 30 MHz		-49.01	-49.17	-48.75	-48.51	-39.02
	30 MHz to 1 000 MHz		-57.32	-57.52	-57.54	-57.41	-19.02
	1 GHz to 1 929 MHz		-29.99	-32.17	-31.20	-31.80	-29.02
	1 996 MHz to 3 GHz		-35.89	-35.73	-35.71	-35.61	-29.02
	3 GHz to 20 GHz		-46.04	-45.98	-46.03	-45.90	-19.02
	9 kHz to 150 kHz	3	-55.62	-55.17	-55.32	-54.97	-49.02
	150 kHz to 30 MHz		-49.40	-49.07	-48.82	-48.73	-39.02
	30 MHz to 1 000 MHz		-57.43	-57.53	-57.49	-57.34	-19.02
	1 GHz to 1 929 MHz		-31.11	-30.79	-30.29	-30.61	-29.02
	1 996 MHz to 3 GHz		-35.99	-36.00	-36.07	-36.14	-29.02
	3 GHz to 20 GHz		-46.07	-46.05	-46.04	-45.87	-19.02
	9 kHz to 150 kHz	4	-55.97	-54.55	-55.15	-54.83	-49.02
	150 kHz to 30 MHz		-49.31	-48.53	-48.41	-48.35	-39.02
	30 MHz to 1 000 MHz		-57.59	-57.60	-57.47	-57.37	-19.02
	1 GHz to 1 929 MHz		-31.78	-32.46	-30.50	-31.44	-29.02
	1 996 MHz to 3 GHz		-35.83	-35.93	-35.95	-36.01	-29.02
	3 GHz to 20 GHz		-45.98	-45.98	-46.00	-45.83	-19.02

See next pages for actual measured spectrum plots.

Channel	Measurement Range	Port	Level(dBm)				Limit (dBm)
			QPSK	16QAM	64QAM	256QAM	
Middle	9 kHz to 150 kHz	1	-55.45	-55.04	-56.02	-55.38	-49.02
	150 kHz to 30 MHz		-48.35	-48.78	-48.34	-48.40	-39.02
	30 MHz to 1 000 MHz		-57.56	-57.51	-57.49	-57.34	-19.02
	1 GHz to 1 929 MHz		-36.95	-36.89	-36.82	-36.82	-29.02
	1 996 MHz to 3 GHz		-36.12	-36.32	-36.26	-36.31	-29.02
	3 GHz to 20 GHz		-46.02	-46.03	-46.18	-46.04	-19.02
	9 kHz to 150 kHz	2	-54.55	-54.65	-55.08	-55.59	-49.02
	150 kHz to 30 MHz		-48.33	-48.77	-48.36	-48.40	-39.02
	30 MHz to 1 000 MHz		-57.32	-57.40	-57.36	-57.45	-19.02
	1 GHz to 1 929 MHz		-37.34	-37.32	-37.13	-37.26	-29.02
	1 996 MHz to 3 GHz		-36.83	-36.61	-36.63	-36.67	-29.02
	3 GHz to 20 GHz		-45.90	-46.04	-46.17	-46.07	-19.02
	9 kHz to 150 kHz	3	-55.86	-55.67	-55.00	-55.12	-49.02
	150 kHz to 30 MHz		-48.14	-48.41	-48.45	-48.38	-39.02
	30 MHz to 1 000 MHz		-57.35	-57.40	-57.47	-57.49	-19.02
	1 GHz to 1 929 MHz		-37.41	-37.29	-37.48	-37.31	-29.02
	1 996 MHz to 3 GHz		-36.70	-36.69	-36.78	-36.64	-29.02
	3 GHz to 20 GHz		-46.02	-46.07	-46.05	-46.04	-19.02
	9 kHz to 150 kHz	4	-55.01	-54.94	-55.91	-54.80	-49.02
	150 kHz to 30 MHz		-48.73	-48.41	-48.58	-48.46	-39.02
	30 MHz to 1 000 MHz		-57.33	-57.65	-57.49	-57.71	-19.02
	1 GHz to 1 929 MHz		-37.08	-37.09	-37.11	-37.25	-29.02
	1 996 MHz to 3 GHz		-36.47	-36.91	-36.81	-36.69	-29.02
	3 GHz to 20 GHz		-46.03	-46.05	-46.14	-46.08	-19.02

See next pages for actual measured spectrum plots.

Channel	Measurement Range	Port	Level(dBm)				Limit (dBm)
			QPSK	16QAM	64QAM	256QAM	
Highest	9 kHz to 150 kHz	1	-54.01	-55.99	-54.93	-54.21	-49.02
	150 kHz to 30 MHz		-47.89	-48.46	-49.03	-48.02	-39.02
	30 MHz to 1 000 MHz		-57.68	-57.52	-57.31	-57.38	-19.02
	1 GHz to 1 929 MHz		-36.82	-36.80	-36.68	-36.93	-29.02
	1 996 MHz to 3 GHz		-31.14	-30.67	-30.64	-31.21	-29.02
	3 GHz to 20 GHz		-46.05	-45.96	-46.01	-45.99	-19.02
	9 kHz to 150 kHz	2	-54.80	-56.08	-55.49	-53.78	-49.02
	150 kHz to 30 MHz		-47.69	-48.62	-48.86	-48.12	-39.02
	30 MHz to 1 000 MHz		-57.48	-57.54	-57.31	-57.55	-19.02
	1 GHz to 1 929 MHz		-36.84	-36.97	-37.12	-36.75	-29.02
	1 996 MHz to 3 GHz		-31.97	-30.95	-32.35	-30.64	-29.02
	3 GHz to 20 GHz		-46.10	-46.03	-45.96	-45.93	-19.02
	9 kHz to 150 kHz	3	-54.86	-55.77	-54.48	-54.33	-49.02
	150 kHz to 30 MHz		-48.21	-49.55	-48.77	-48.39	-39.02
	30 MHz to 1 000 MHz		-57.44	-57.36	-57.34	-57.27	-19.02
	1 GHz to 1 929 MHz		-37.03	-37.22	-37.18	-37.14	-29.02
	1 996 MHz to 3 GHz		-31.36	-31.86	-31.32	-32.96	-29.02
	3 GHz to 20 GHz		-46.03	-46.08	-46.04	-46.02	-19.02
	9 kHz to 150 kHz	4	-54.11	-55.33	-54.84	-54.52	-49.02
	150 kHz to 30 MHz		-48.46	-48.28	-48.68	-47.90	-39.02
	30 MHz to 1 000 MHz		-57.45	-57.45	-57.39	-57.66	-19.02
	1 GHz to 1 929 MHz		-36.88	-37.01	-36.82	-37.01	-29.02
	1 996 MHz to 3 GHz		-32.27	-32.81	-32.95	-31.38	-29.02
	3 GHz to 20 GHz		-46.07	-45.94	-45.96	-45.90	-19.02

See next pages for actual measured spectrum plots.



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LTE 1C 10 MHz_QPSK_Lowest, Port 2



Test mode : LTE 1C 15 MHz

Channel	Measurement Range	Port	Level(dBm)				Limit (dBm)
			QPSK	16QAM	64QAM	256QAM	
Lowest	9 kHz to 150 kHz	1	-54.53	-53.85	-54.54	-53.03	-49.02
	150 kHz to 30 MHz		-48.62	-48.56	-48.66	-47.64	-39.02
	30 MHz to 1 000 MHz		-57.14	-57.25	-57.38	-57.50	-19.02
	1 GHz to 1 929 MHz		-32.81	-32.84	-32.22	-32.12	-29.02
	1 996 MHz to 3 GHz		-36.09	-36.06	-36.19	-36.10	-29.02
	3 GHz to 20 GHz		-45.80	-45.97	-45.91	-45.99	-19.02
	9 kHz to 150 kHz	2	-54.78	-54.74	-55.00	-54.24	-49.02
	150 kHz to 30 MHz		-48.23	-48.76	-49.01	-47.86	-39.02
	30 MHz to 1 000 MHz		-57.49	-57.56	-57.46	-57.55	-19.02
	1 GHz to 1 929 MHz		-31.81	-31.08	-31.83	-31.28	-29.02
	1 996 MHz to 3 GHz		-36.65	-36.86	-36.63	-36.74	-29.02
	3 GHz to 20 GHz		-45.73	-45.85	-45.85	-46.05	-19.02
	9 kHz to 150 kHz	3	-54.42	-54.82	-54.89	-54.97	-49.02
	150 kHz to 30 MHz		-48.46	-48.22	-48.98	-48.15	-39.02
	30 MHz to 1 000 MHz		-57.53	-57.50	-57.25	-57.47	-19.02
	1 GHz to 1 929 MHz		-32.38	-32.77	-32.68	-32.94	-29.02
	1 996 MHz to 3 GHz		-36.54	-36.63	-36.49	-36.56	-29.02
	3 GHz to 20 GHz		-45.82	-45.82	-45.84	-46.02	-19.02
	9 kHz to 150 kHz	4	-54.65	-54.24	-55.65	-54.83	-49.02
	150 kHz to 30 MHz		-48.05	-48.72	-49.25	-47.67	-39.02
	30 MHz to 1 000 MHz		-57.61	-57.31	-57.48	-57.36	-19.02
	1 GHz to 1 929 MHz		-33.27	-33.70	-32.20	-33.57	-29.02
	1 996 MHz to 3 GHz		-36.33	-36.30	-36.32	-36.12	-29.02
	3 GHz to 20 GHz		-45.82	-45.92	-45.92	-45.98	-19.02

See next pages for actual measured spectrum plots.

Channel	Measurement Range	Port	Level(dBm)				Limit (dBm)
			QPSK	16QAM	64QAM	256QAM	
Middle	9 kHz to 150 kHz	1	-55.72	-54.71	-54.44	-54.22	-49.02
	150 kHz to 30 MHz		-48.64	-48.73	-48.66	-48.46	-39.02
	30 MHz to 1 000 MHz		-57.47	-57.52	-57.37	-57.38	-19.02
	1 GHz to 1 929 MHz		-37.10	-36.99	-36.91	-36.76	-29.02
	1 996 MHz to 3 GHz		-36.28	-36.34	-36.27	-36.21	-29.02
	3 GHz to 20 GHz		-46.05	-45.97	-45.94	-46.05	-19.02
	9 kHz to 150 kHz	2	-55.13	-54.21	-54.34	-55.05	-49.02
	150 kHz to 30 MHz		-48.51	-48.30	-48.66	-48.19	-39.02
	30 MHz to 1 000 MHz		-57.56	-57.35	-57.62	-57.40	-19.02
	1 GHz to 1 929 MHz		-37.12	-37.17	-37.09	-37.08	-29.02
	1 996 MHz to 3 GHz		-36.51	-36.56	-36.62	-36.53	-29.02
	3 GHz to 20 GHz		-46.04	-45.97	-45.95	-45.97	-19.02
	9 kHz to 150 kHz	3	-55.33	-54.75	-55.04	-54.50	-49.02
	150 kHz to 30 MHz		-48.70	-48.13	-48.57	-47.81	-39.02
	30 MHz to 1 000 MHz		-57.40	-57.48	-57.38	-57.38	-19.02
	1 GHz to 1 929 MHz		-37.38	-37.39	-37.37	-37.26	-29.02
	1 996 MHz to 3 GHz		-36.48	-36.71	-36.59	-36.43	-29.02
	3 GHz to 20 GHz		-46.11	-45.94	-45.89	-45.97	-19.02
	9 kHz to 150 kHz	4	-55.43	-54.84	-54.87	-54.45	-49.02
	150 kHz to 30 MHz		-48.22	-48.87	-49.07	-48.42	-39.02
	30 MHz to 1 000 MHz		-57.49	-57.48	-57.51	-57.61	-19.02
	1 GHz to 1 929 MHz		-36.94	-37.01	-37.14	-37.01	-29.02
	1 996 MHz to 3 GHz		-36.36	-36.53	-36.60	-36.39	-29.02
	3 GHz to 20 GHz		-46.03	-46.00	-45.93	-45.98	-19.02

See next pages for actual measured spectrum plots.

Channel	Measurement Range	Port	Level(dBm)				Limit (dBm)
			QPSK	16QAM	64QAM	256QAM	
Highest	9 kHz to 150 kHz	1	-55.88	-55.94	-54.55	-55.37	-49.02
	150 kHz to 30 MHz		-48.08	-49.41	-48.37	-48.80	-39.02
	30 MHz to 1 000 MHz		-57.33	-57.54	-55.60	-57.46	-19.02
	1 GHz to 1 929 MHz		-37.18	-36.99	-37.39	-37.04	-29.02
	1 996 MHz to 3 GHz		-32.00	-30.61	-31.93	-29.88	-29.02
	3 GHz to 20 GHz		-45.95	-46.17	-46.18	-45.93	-19.02
	9 kHz to 150 kHz	2	-55.01	-54.44	-54.93	-54.89	-49.02
	150 kHz to 30 MHz		-48.03	-48.17	-48.72	-49.04	-39.02
	30 MHz to 1 000 MHz		-57.34	-57.60	-57.53	-57.38	-19.02
	1 GHz to 1 929 MHz		-37.41	-37.45	-37.64	-37.61	-29.02
	1 996 MHz to 3 GHz		-32.35	-32.24	-31.70	-31.41	-29.02
	3 GHz to 20 GHz		-45.95	-46.25	-46.07	-45.91	-19.02
	9 kHz to 150 kHz	3	-55.46	-54.73	-54.81	-55.62	-49.02
	150 kHz to 30 MHz		-48.69	-48.52	-48.75	-49.05	-39.02
	30 MHz to 1 000 MHz		-57.50	-57.47	-57.33	-57.57	-19.02
	1 GHz to 1 929 MHz		-37.57	-37.81	-37.58	-37.58	-29.02
	1 996 MHz to 3 GHz		-33.14	-32.68	-33.74	-32.18	-29.02
	3 GHz to 20 GHz		-46.03	-46.16	-46.03	-46.04	-19.02
	9 kHz to 150 kHz	4	-54.90	-54.89	-54.89	-55.07	-49.02
	150 kHz to 30 MHz		-49.10	-48.21	-48.55	-49.01	-39.02
	30 MHz to 1 000 MHz		-57.43	-57.56	-57.48	-57.45	-19.02
	1 GHz to 1 929 MHz		-37.18	-37.40	-37.31	-37.15	-29.02
	1 996 MHz to 3 GHz		-33.36	-32.19	-33.54	-33.17	-29.02
	3 GHz to 20 GHz		-45.96	-46.03	-46.03	-45.98	-19.02

See next pages for actual measured spectrum plots.



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LTE 1C 15 MHz_256QAM_Highest, Port 1



Test mode : LTE 1C 20 MHz

Channel	Measurement Range	Port	Level(dBm)				Limit (dBm)
			QPSK	16QAM	64QAM	256QAM	
Lowest	9 kHz to 150 kHz	1	-55.19	-55.14	-55.90	-55.84	-49.02
	150 kHz to 30 MHz		-48.89	-49.01	-49.16	-48.88	-39.02
	30 MHz to 1 000 MHz		-57.67	-57.51	-57.23	-57.52	-19.02
	1 GHz to 1 929 MHz		-32.98	-32.92	-32.90	-32.59	-29.02
	1 996 MHz to 3 GHz		-36.08	-36.19	-36.03	-35.90	-29.02
	3 GHz to 20 GHz		-45.97	-45.96	-46.12	-46.06	-19.02
	9 kHz to 150 kHz	2	-54.67	-55.02	-55.84	-54.96	-49.02
	150 kHz to 30 MHz		-48.53	-48.61	-48.62	-48.58	-39.02
	30 MHz to 1 000 MHz		-57.43	-57.45	-57.49	-57.43	-19.02
	1 GHz to 1 929 MHz		-33.44	-33.82	-33.68	-31.50	-29.02
	1 996 MHz to 3 GHz		-36.40	-36.44	-36.57	-36.33	-29.02
	3 GHz to 20 GHz		-46.02	-46.01	-46.15	-46.04	-19.02
	9 kHz to 150 kHz	3	-55.34	-55.47	-55.09	-54.83	-49.02
	150 kHz to 30 MHz		-48.80	-48.80	-49.39	-48.73	-39.02
	30 MHz to 1 000 MHz		-57.65	-57.38	-57.21	-57.60	-19.02
	1 GHz to 1 929 MHz		-32.96	-33.27	-33.52	-33.85	-29.02
	1 996 MHz to 3 GHz		-36.32	-36.43	-36.61	-36.81	-29.02
	3 GHz to 20 GHz		-46.01	-45.99	-46.13	-46.03	-19.02
	9 kHz to 150 kHz	4	-54.98	-55.39	-55.03	-55.62	-49.02
	150 kHz to 30 MHz		-48.34	-48.77	-48.40	-48.57	-39.02
	30 MHz to 1 000 MHz		-57.34	-57.34	-57.06	-57.43	-19.02
	1 GHz to 1 929 MHz		-33.68	-33.44	-34.45	-34.34	-29.02
	1 996 MHz to 3 GHz		-36.37	-36.44	-36.30	-36.31	-29.02
	3 GHz to 20 GHz		-45.98	-45.97	-46.09	-45.98	-19.02

See next pages for actual measured spectrum plots.

Channel	Measurement Range	Port	Level(dBm)				Limit (dBm)
			QPSK	16QAM	64QAM	256QAM	
Middle	9 kHz to 150 kHz	1	-55.52	-55.43	-54.10	-54.50	-49.02
	150 kHz to 30 MHz		-48.77	-48.88	-48.58	-48.09	-39.02
	30 MHz to 1 000 MHz		-57.57	-57.29	-57.57	-57.47	-19.02
	1 GHz to 1 929 MHz		-36.94	-37.01	-36.72	-36.94	-29.02
	1 996 MHz to 3 GHz		-36.27	-36.38	-36.25	-36.28	-29.02
	3 GHz to 20 GHz		-45.80	-45.77	-46.06	-46.05	-19.02
	9 kHz to 150 kHz	2	-54.61	-55.17	-53.77	-54.51	-49.02
	150 kHz to 30 MHz		-48.31	-48.35	-49.24	-48.56	-39.02
	30 MHz to 1 000 MHz		-57.43	-57.47	-57.38	-57.53	-19.02
	1 GHz to 1 929 MHz		-37.30	-37.11	-37.11	-37.14	-29.02
	1 996 MHz to 3 GHz		-36.69	-36.70	-36.56	-36.46	-29.02
	3 GHz to 20 GHz		-45.90	-45.85	-46.03	-46.05	-19.02
	9 kHz to 150 kHz	3	-55.44	-55.58	-54.55	-54.75	-49.02
	150 kHz to 30 MHz		-48.04	-48.56	-48.57	-48.82	-39.02
	30 MHz to 1 000 MHz		-57.45	-57.43	-57.37	-57.22	-19.02
	1 GHz to 1 929 MHz		-37.47	-37.26	-37.42	-37.25	-29.02
	1 996 MHz to 3 GHz		-36.82	-36.78	-36.80	-36.93	-29.02
	3 GHz to 20 GHz		-45.86	-46.02	-46.02	-46.08	-19.02
	9 kHz to 150 kHz	4	-55.72	-54.99	-54.83	-54.58	-49.02
	150 kHz to 30 MHz		-48.72	-48.33	-48.76	-48.18	-39.02
	30 MHz to 1 000 MHz		-57.51	-57.53	-57.36	-57.31	-19.02
	1 GHz to 1 929 MHz		-37.25	-37.39	-37.08	-37.11	-29.02
	1 996 MHz to 3 GHz		-36.35	-36.86	-36.52	-36.59	-29.02
	3 GHz to 20 GHz		-45.93	-45.82	-46.13	-46.11	-19.02

See next pages for actual measured spectrum plots.

Channel	Measurement Range	Port	Level(dBm)				Limit (dBm)
			QPSK	16QAM	64QAM	256QAM	
Highest	9 kHz to 150 kHz	1	-55.58	-55.74	-55.07	-55.50	-49.02
	150 kHz to 30 MHz		-49.29	-48.98	-48.59	-49.47	-39.02
	30 MHz to 1 000 MHz		-57.01	-57.63	-57.57	-57.56	-19.02
	1 GHz to 1 929 MHz		-36.95	-37.16	-37.11	-37.01	-29.02
	1 996 MHz to 3 GHz		-33.15	-33.05	-32.55	-33.44	-29.02
	3 GHz to 20 GHz		-46.07	-46.03	-46.20	-46.18	-19.02
	9 kHz to 150 kHz	2	-54.63	-55.52	-55.15	-55.36	-49.02
	150 kHz to 30 MHz		-49.12	-48.50	-48.79	-49.55	-39.02
	30 MHz to 1 000 MHz		-57.25	-57.45	-57.32	-57.46	-19.02
	1 GHz to 1 929 MHz		-37.48	-37.35	-37.43	-37.33	-29.02
	1 996 MHz to 3 GHz		-32.83	-32.51	-32.40	-32.20	-29.02
	3 GHz to 20 GHz		-46.09	-45.99	-46.07	-46.23	-19.02
	9 kHz to 150 kHz	3	-55.23	-55.94	-55.08	-54.86	-49.02
	150 kHz to 30 MHz		-48.86	-49.09	-48.66	-48.31	-39.02
	30 MHz to 1 000 MHz		-57.26	-57.53	-57.54	-57.45	-19.02
	1 GHz to 1 929 MHz		-37.52	-37.41	-37.44	-37.50	-29.02
	1 996 MHz to 3 GHz		-33.22	-34.35	-33.31	-34.20	-29.02
	3 GHz to 20 GHz		-45.98	-46.10	-46.22	-46.23	-19.02
	9 kHz to 150 kHz	4	-55.36	-55.41	-54.78	-55.37	-49.02
	150 kHz to 30 MHz		-49.24	-48.61	-49.07	-48.98	-39.02
	30 MHz to 1 000 MHz		-57.37	-57.45	-57.49	-57.55	-19.02
	1 GHz to 1 929 MHz		-37.15	-37.16	-37.28	-37.33	-29.02
	1 996 MHz to 3 GHz		-34.36	-34.01	-34.28	-33.88	-29.02
	3 GHz to 20 GHz		-46.03	-46.14	-46.19	-46.28	-19.02

See next pages for actual measured spectrum plots.



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LTE 1C 20 MHz_256QAM_Lowest, Port 2



Test mode : Contiguous_LTE 2C 5 MHz + 5 MHz

Channel	Measurement Range	Port	Level(dBm)				Limit (dBm)
			QPSK	16QAM	64QAM	256QAM	
Lowest	9 kHz to 150 kHz	1	-53.89	-54.15	-53.55	-54.17	-49.02
	150 kHz to 30 MHz		-48.02	-48.38	-47.58	-48.68	-39.02
	30 MHz to 1 000 MHz		-57.18	-57.55	-54.45	-57.44	-19.02
	1 GHz to 1 929 MHz		-29.61	-31.38	-29.80	-30.52	-29.02
	1 996 MHz to 3 GHz		-36.05	-35.96	-36.04	-36.06	-29.02
	3 GHz to 20 GHz		-46.22	-46.38	-46.29	-46.32	-19.02
	9 kHz to 150 kHz	2	-53.15	-54.93	-53.16	-54.37	-49.02
	150 kHz to 30 MHz		-48.30	-48.34	-48.48	-48.18	-39.02
	30 MHz to 1 000 MHz		-57.44	-57.69	-57.36	-57.56	-19.02
	1 GHz to 1 929 MHz		-31.63	-32.29	-31.39	-30.76	-29.02
	1 996 MHz to 3 GHz		-36.67	-36.41	-36.59	-36.67	-29.02
	3 GHz to 20 GHz		-46.25	-46.33	-46.27	-46.20	-19.02
	9 kHz to 150 kHz	3	-54.12	-54.70	-54.19	-53.92	-49.02
	150 kHz to 30 MHz		-48.79	-48.25	-48.18	-48.51	-39.02
	30 MHz to 1 000 MHz		-57.35	-57.45	-57.46	-57.45	-19.02
	1 GHz to 1 929 MHz		-31.58	-31.13	-31.21	-29.88	-29.02
	1 996 MHz to 3 GHz		-36.60	-36.67	-36.69	-36.53	-29.02
	3 GHz to 20 GHz		-46.27	-46.32	-46.29	-46.26	-19.02
	9 kHz to 150 kHz	4	-53.83	-54.88	-53.71	-54.04	-49.02
	150 kHz to 30 MHz		-48.66	-48.41	-47.87	-48.91	-39.02
	30 MHz to 1 000 MHz		-57.44	-57.40	-57.48	-57.53	-19.02
	1 GHz to 1 929 MHz		-32.54	-32.61	-32.25	-32.79	-29.02
	1 996 MHz to 3 GHz		-36.81	-36.71	-36.69	-36.80	-29.02
	3 GHz to 20 GHz		-46.26	-46.28	-46.13	-46.27	-19.02

See next pages for actual measured spectrum plots.

Channel	Measurement Range	Port	Level(dBm)				Limit (dBm)
			QPSK	16QAM	64QAM	256QAM	
Middle	9 kHz to 150 kHz	1	-53.56	-53.58	-53.10	-53.29	-49.02
	150 kHz to 30 MHz		-48.13	-48.47	-48.25	-48.57	-39.02
	30 MHz to 1 000 MHz		-57.54	-57.13	-57.54	-57.47	-19.02
	1 GHz to 1 929 MHz		-36.45	-36.32	-36.67	-36.34	-29.02
	1 996 MHz to 3 GHz		-35.77	-35.66	-35.77	-35.62	-29.02
	3 GHz to 20 GHz		-46.26	-46.14	-46.29	-46.05	-19.02
	9 kHz to 150 kHz	2	-53.84	-53.38	-54.17	-53.80	-49.02
	150 kHz to 30 MHz		-47.55	-48.87	-48.41	-48.16	-39.02
	30 MHz to 1 000 MHz		-57.58	-57.32	-57.39	-57.49	-19.02
	1 GHz to 1 929 MHz		-36.99	-36.77	-36.82	-36.77	-29.02
	1 996 MHz to 3 GHz		-36.31	-35.91	-36.12	-36.14	-29.02
	3 GHz to 20 GHz		-46.16	-46.23	-46.23	-46.06	-19.02
	9 kHz to 150 kHz	3	-52.73	-54.49	-54.16	-53.35	-49.02
	150 kHz to 30 MHz		-47.76	-48.47	-48.63	-48.04	-39.02
	30 MHz to 1 000 MHz		-57.46	-57.62	-57.17	-57.34	-19.02
	1 GHz to 1 929 MHz		-37.00	-37.10	-36.98	-37.10	-29.02
	1 996 MHz to 3 GHz		-36.30	-36.23	-36.12	-36.49	-29.02
	3 GHz to 20 GHz		-46.27	-46.17	-46.19	-45.99	-19.02
	9 kHz to 150 kHz	4	-52.94	-54.09	-53.17	-53.46	-49.02
	150 kHz to 30 MHz		-48.02	-48.08	-48.56	-47.97	-39.02
	30 MHz to 1 000 MHz		-57.49	-57.49	-57.52	-57.46	-19.02
	1 GHz to 1 929 MHz		-36.95	-36.84	-36.90	-36.56	-29.02
	1 996 MHz to 3 GHz		-36.34	-36.28	-36.45	-36.27	-29.02
	3 GHz to 20 GHz		-46.25	-46.10	-46.25	-46.04	-19.02

See next pages for actual measured spectrum plots.

Channel	Measurement Range	Port	Level(dBm)				Limit (dBm)
			QPSK	16QAM	64QAM	256QAM	
Highest	9 kHz to 150 kHz	1	-53.93	-54.62	-55.01	-54.41	-49.02
	150 kHz to 30 MHz		-48.84	-48.83	-48.45	-48.62	-39.02
	30 MHz to 1 000 MHz		-57.15	-57.44	-57.36	-57.57	-19.02
	1 GHz to 1 929 MHz		-36.86	-36.87	-36.69	-36.84	-29.02
	1 996 MHz to 3 GHz		-30.95	-31.22	-31.36	-30.33	-29.02
	3 GHz to 20 GHz		-46.00	-46.09	-46.08	-46.02	-19.02
	9 kHz to 150 kHz	2	-53.46	-54.51	-53.88	-54.48	-49.02
	150 kHz to 30 MHz		-48.16	-48.74	-48.39	-48.71	-39.02
	30 MHz to 1 000 MHz		-57.51	-57.20	-57.61	-57.33	-19.02
	1 GHz to 1 929 MHz		-37.42	-37.28	-37.23	-37.28	-29.02
	1 996 MHz to 3 GHz		-29.84	-30.97	-31.42	-31.12	-29.02
	3 GHz to 20 GHz		-46.13	-46.12	-46.15	-45.97	-19.02
	9 kHz to 150 kHz	3	-53.46	-54.32	-54.24	-54.81	-49.02
	150 kHz to 30 MHz		-48.42	-49.08	-48.56	-48.79	-39.02
	30 MHz to 1 000 MHz		-57.33	-57.36	-57.46	-57.40	-19.02
	1 GHz to 1 929 MHz		-37.50	-37.55	-37.50	-37.41	-29.02
	1 996 MHz to 3 GHz		-32.79	-32.47	-32.17	-32.64	-29.02
	3 GHz to 20 GHz		-46.02	-46.08	-46.02	-46.06	-19.02
	9 kHz to 150 kHz	4	-53.00	-55.04	-54.08	-54.52	-49.02
	150 kHz to 30 MHz		-48.24	-48.62	-48.13	-48.83	-39.02
	30 MHz to 1 000 MHz		-57.32	-57.49	-57.43	-57.31	-19.02
	1 GHz to 1 929 MHz		-37.38	-37.39	-37.51	-37.11	-29.02
	1 996 MHz to 3 GHz		-31.77	-33.53	-31.84	-32.46	-29.02
	3 GHz to 20 GHz		-46.01	-45.97	-46.06	-46.05	-19.02

See next pages for actual measured spectrum plots.



Contiguous_LTE 2C 5 MHz + 5 MHz_QPSK_Lowest, Port 1



Test mode : Non-Contiguous_LTE 2C 5 MHz + 5 MHz

Channel	Measurement Range	Port	Level(dBm)				Limit (dBm)
			QPSK	16QAM	64QAM	256QAM	
Lowest	9 kHz to 150 kHz	1				-55.35	-49.02
	150 kHz to 30 MHz					-48.47	-39.02
	30 MHz to 1 000 MHz					-57.43	-19.02
	1 GHz to 1 929 MHz					-31.20	-29.02
	1 996 MHz to 3 GHz					-35.65	-29.02
	3 GHz to 20 GHz					-46.22	-19.02
	9 kHz to 150 kHz	2				-53.90	-49.02
	150 kHz to 30 MHz					-49.00	-39.02
	30 MHz to 1 000 MHz					-57.46	-19.02
	1 GHz to 1 929 MHz					-32.43	-29.02
	1 996 MHz to 3 GHz					-35.86	-29.02
	3 GHz to 20 GHz					-46.29	-19.02
	9 kHz to 150 kHz	3				-55.01	-49.02
	150 kHz to 30 MHz					-48.31	-39.02
	30 MHz to 1 000 MHz					-57.29	-19.02
	1 GHz to 1 929 MHz					-33.08	-29.02
	1 996 MHz to 3 GHz					-36.13	-29.02
	3 GHz to 20 GHz					-46.25	-19.02
	9 kHz to 150 kHz	4				-55.21	-49.02
	150 kHz to 30 MHz					-48.98	-39.02
	30 MHz to 1 000 MHz					-57.38	-19.02
	1 GHz to 1 929 MHz					-32.82	-29.02
	1 996 MHz to 3 GHz					-35.94	-29.02
	3 GHz to 20 GHz					-46.14	-19.02

See next pages for actual measured spectrum plots.

Channel	Measurement Range	Port	Level(dBm)				Limit (dBm)
			QPSK	16QAM	64QAM	256QAM	
Middle	9 kHz to 150 kHz	1				-53.80	-49.02
	150 kHz to 30 MHz					-48.02	-39.02
	30 MHz to 1 000 MHz					-57.44	-19.02
	1 GHz to 1 929 MHz					-36.00	-29.02
	1 996 MHz to 3 GHz					-35.25	-29.02
	3 GHz to 20 GHz					-46.21	-19.02
	9 kHz to 150 kHz	2				-53.52	-49.02
	150 kHz to 30 MHz					-47.67	-39.02
	30 MHz to 1 000 MHz					-57.62	-19.02
	1 GHz to 1 929 MHz					-36.08	-29.02
	1 996 MHz to 3 GHz					-35.27	-29.02
	3 GHz to 20 GHz					-46.25	-19.02
	9 kHz to 150 kHz	3				-52.86	-49.02
	150 kHz to 30 MHz					-48.06	-39.02
	30 MHz to 1 000 MHz					-57.51	-19.02
	1 GHz to 1 929 MHz					-36.46	-29.02
	1 996 MHz to 3 GHz					-35.88	-29.02
	3 GHz to 20 GHz					-46.26	-19.02
	9 kHz to 150 kHz	4				-53.53	-49.02
	150 kHz to 30 MHz					-48.01	-39.02
	30 MHz to 1 000 MHz					-57.46	-19.02
	1 GHz to 1 929 MHz					-36.04	-29.02
	1 996 MHz to 3 GHz					-35.37	-29.02
	3 GHz to 20 GHz					-46.22	-19.02

See next pages for actual measured spectrum plots.

Channel	Measurement Range	Port	Level(dBm)				Limit (dBm)
			QPSK	16QAM	64QAM	256QAM	
Highest	9 kHz to 150 kHz	1				-55.36	-49.02
	150 kHz to 30 MHz					-48.98	-39.02
	30 MHz to 1 000 MHz					-57.49	-19.02
	1 GHz to 1 929 MHz					-36.53	-29.02
	1 996 MHz to 3 GHz					-30.97	-29.02
	3 GHz to 20 GHz					-46.11	-19.02
	9 kHz to 150 kHz	2				-55.12	-49.02
	150 kHz to 30 MHz					-48.78	-39.02
	30 MHz to 1 000 MHz					-57.43	-19.02
	1 GHz to 1 929 MHz					-36.91	-29.02
	1 996 MHz to 3 GHz					-32.59	-29.02
	3 GHz to 20 GHz					-46.17	-19.02
	9 kHz to 150 kHz	3				-56.00	-49.02
	150 kHz to 30 MHz					-49.08	-39.02
	30 MHz to 1 000 MHz					-57.43	-19.02
	1 GHz to 1 929 MHz					-37.02	-29.02
	1 996 MHz to 3 GHz					-32.04	-29.02
	3 GHz to 20 GHz					-46.15	-19.02
	9 kHz to 150 kHz	4				-54.99	-49.02
	150 kHz to 30 MHz					-48.38	-39.02
	30 MHz to 1 000 MHz					-57.50	-19.02
	1 GHz to 1 929 MHz					-36.59	-29.02
	1 996 MHz to 3 GHz					-32.49	-29.02
	3 GHz to 20 GHz					-46.20	-19.02

See next pages for actual measured spectrum plots.