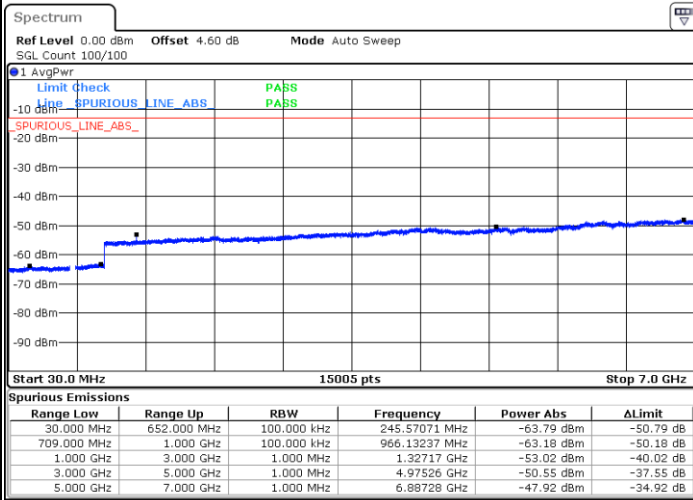




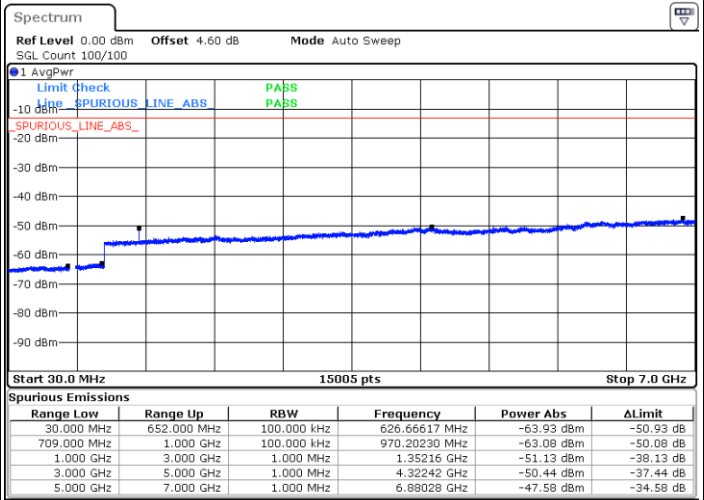
FR1 n71 / 10MHz / DFT-S OFDM / 256QAM

Lowest Channel / 1RB0

Middle Channel / 1RB0

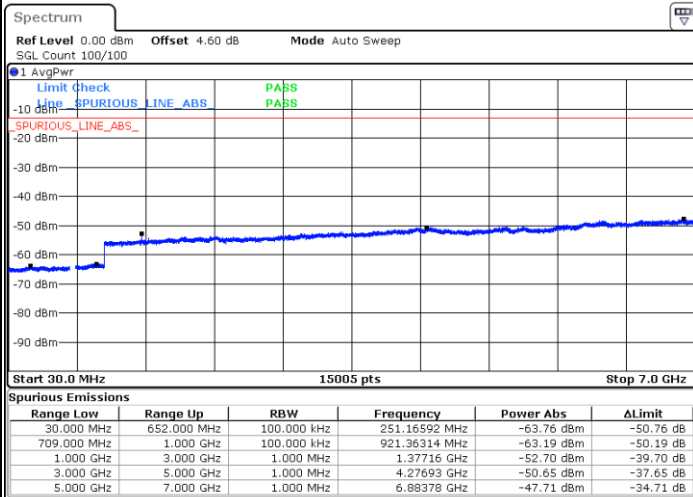


Date: 1.JUL.2020 22:18:11



Date: 1.JUL.2020 22:30:21

Highest Channel / 1RB0



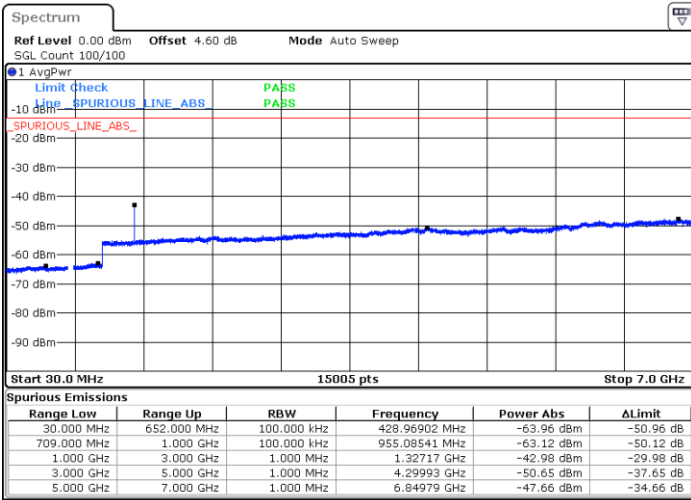
Date: 2.JUL.2020 02:12:49



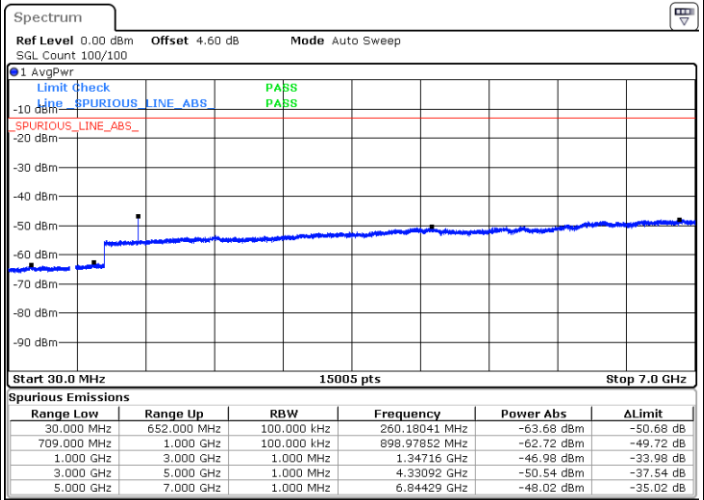
FR1 n71 / 15MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB0

Middle Channel / 1RB0

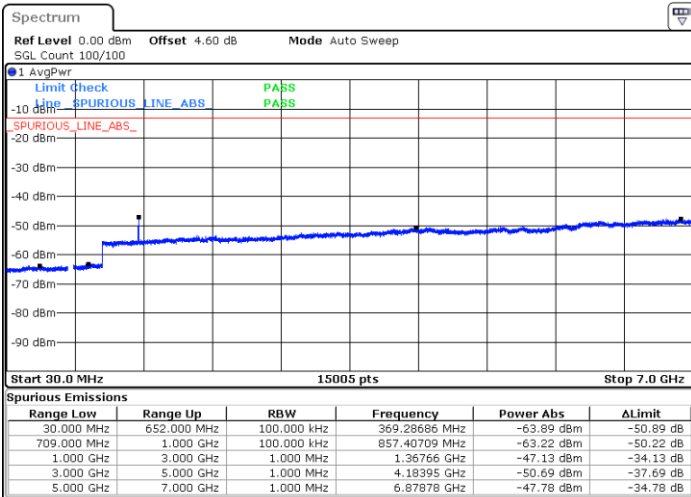


Date: 1.JUL.2020 23:12:45



Date: 1.JUL.2020 23:23:39

Highest Channel / 1RB0



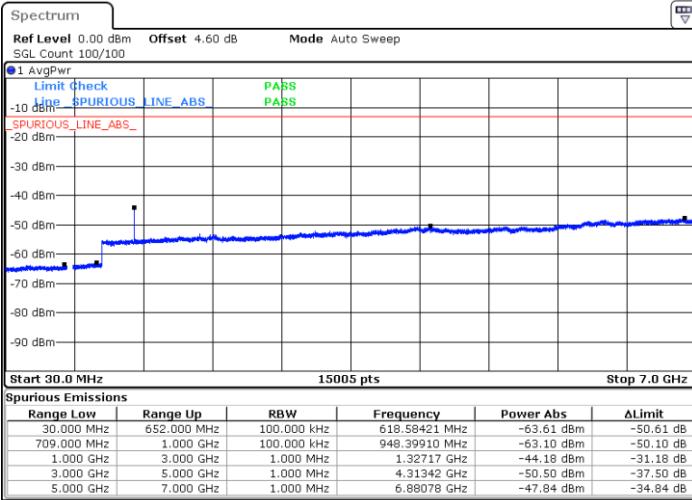
Date: 1.JUL.2020 23:42:09



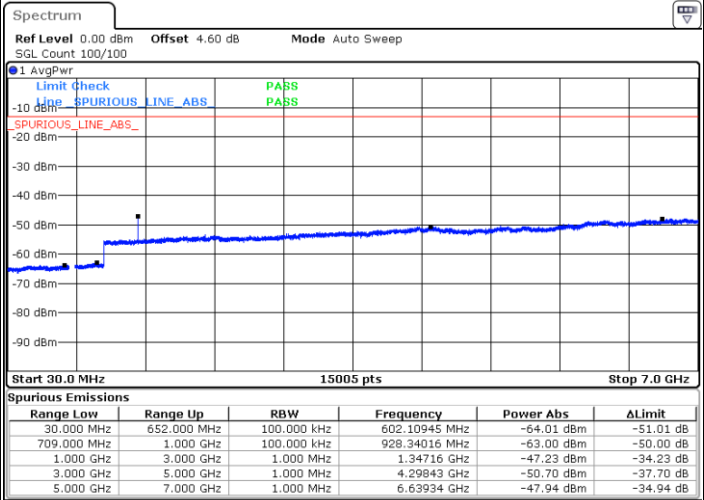
FR1 n71 / 15MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB0

Middle Channel / 1RB0

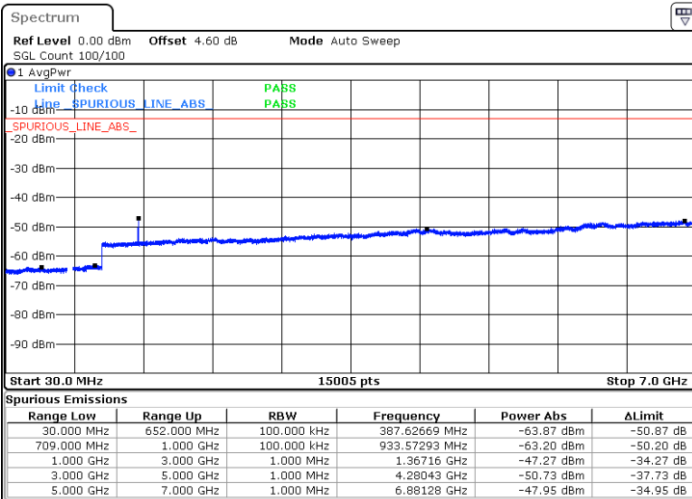


Date: 1.JUL.2020 23:15:05



Date: 1.JUL.2020 23:22:39

Highest Channel / 1RB0



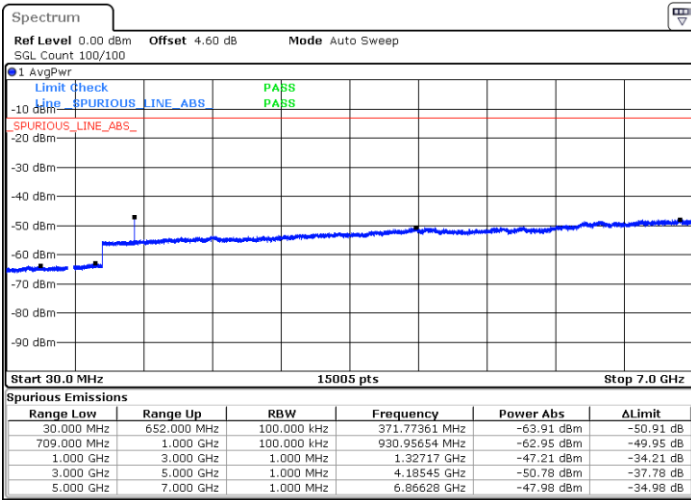
Date: 1.JUL.2020 23:43:04



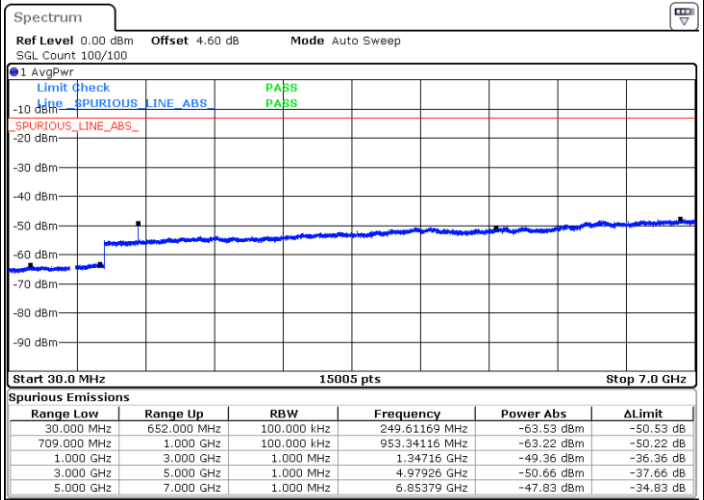
FR1 n71 / 15MHz / DFT-S OFDM / 16QAM

Lowest Channel / 1RB0

Middle Channel / 1RB0

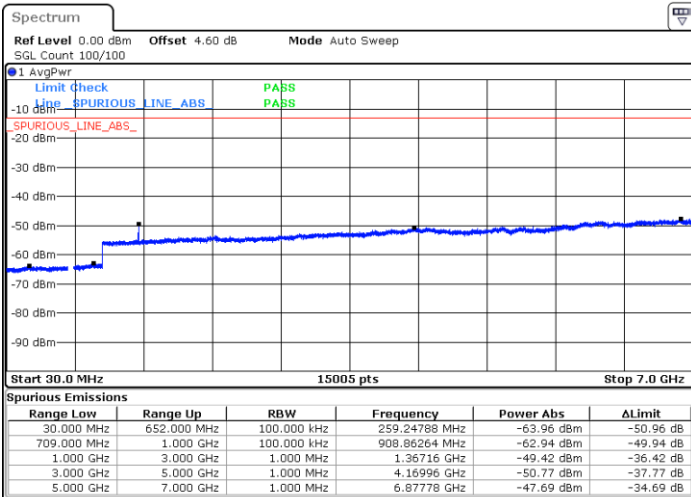


Date: 1.JUL.2020 23:16:10



Date: 1.JUL.2020 23:21:47

Highest Channel / 1RB0



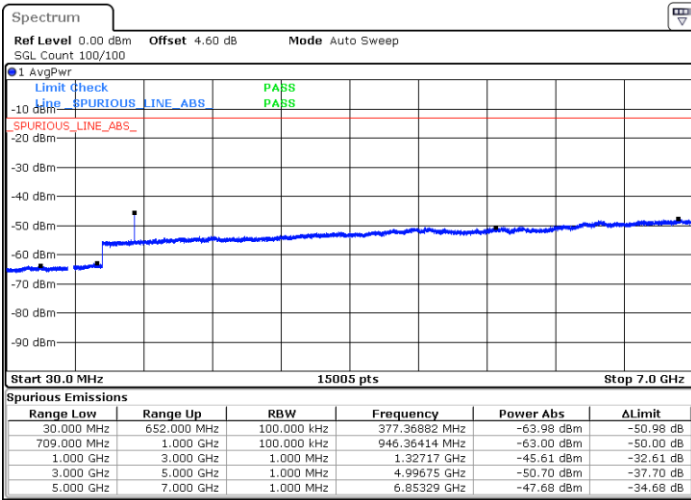
Date: 1.JUL.2020 23:43:55



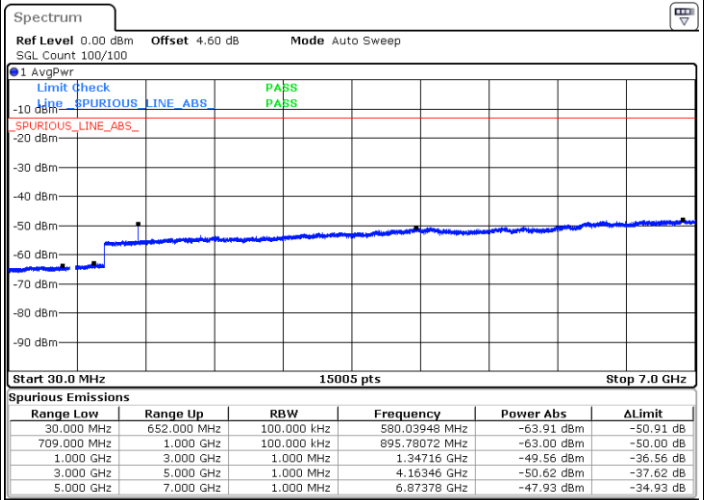
FR1 n71 / 15MHz / DFT-S OFDM / 64QAM

Lowest Channel / 1RB0

Middle Channel / 1RB0

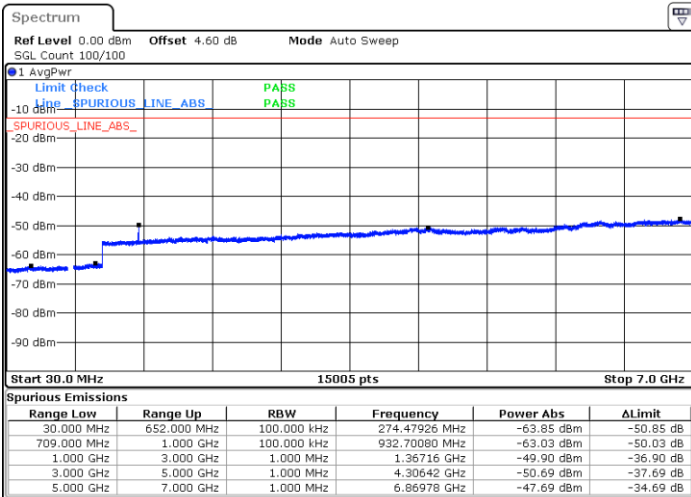


Date: 1.JUL.2020 23:18:29



Date: 1.JUL.2020 23:21:04

Highest Channel / 1RB0



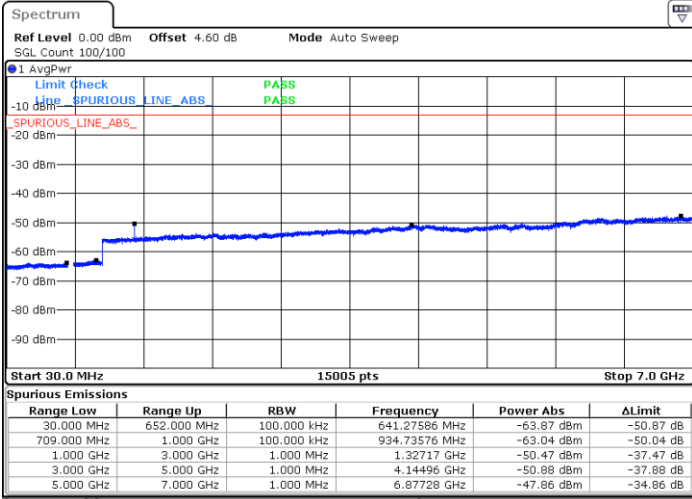
Date: 1.JUL.2020 23:44:46



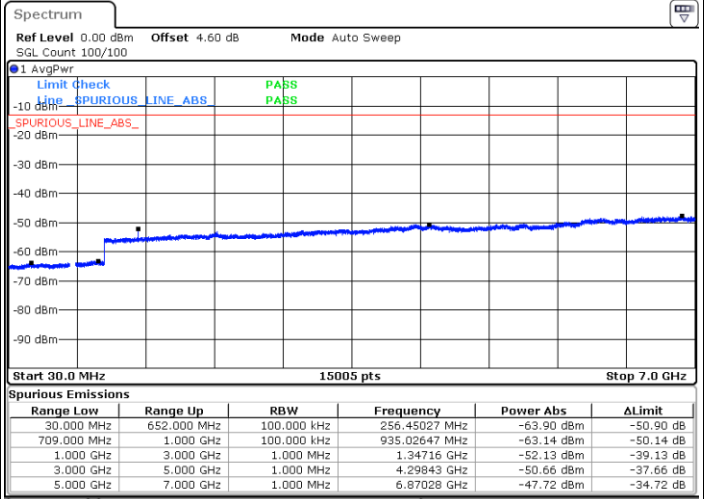
FR1 n71 / 15MHz / DFT-S OFDM / 256QAM

Lowest Channel / 1RB0

Middle Channel / 1RB0

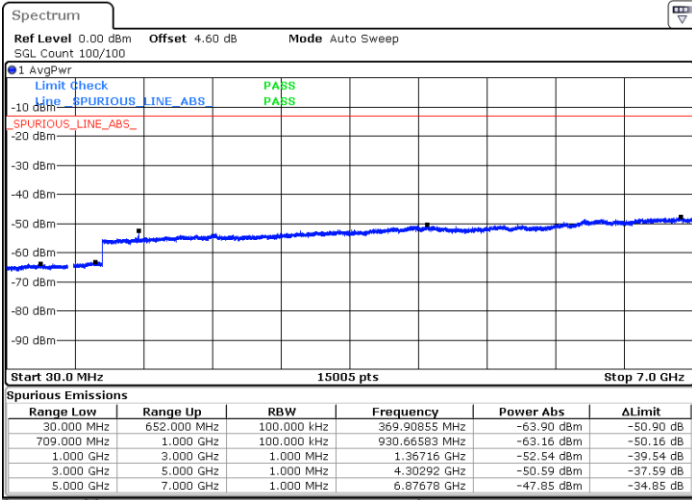


Date: 1.JUL.2020 23:19:44



Date: 1.JUL.2020 23:20:31

Highest Channel / 1RB0



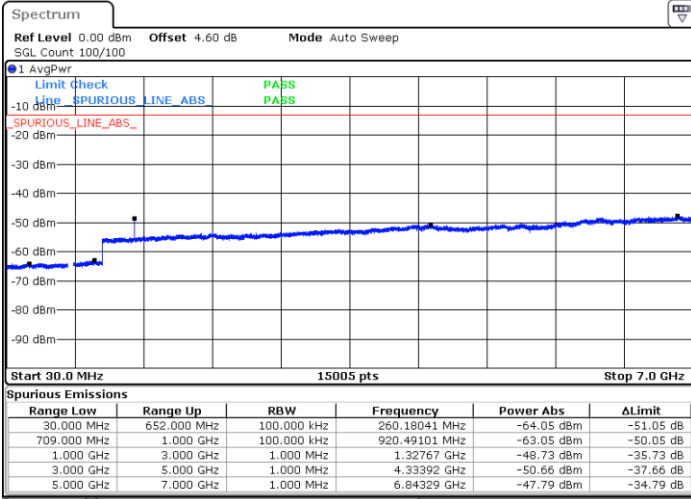
Date: 1.JUL.2020 23:45:12



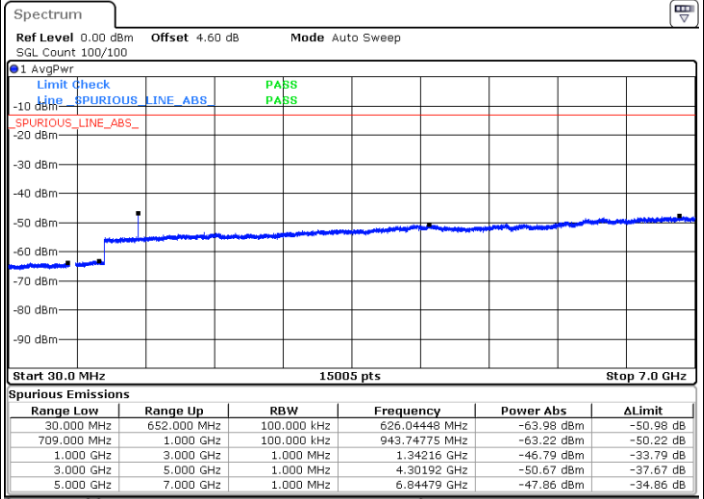
FR1 n71 / 20MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB0

Middle Channel / 1RB0

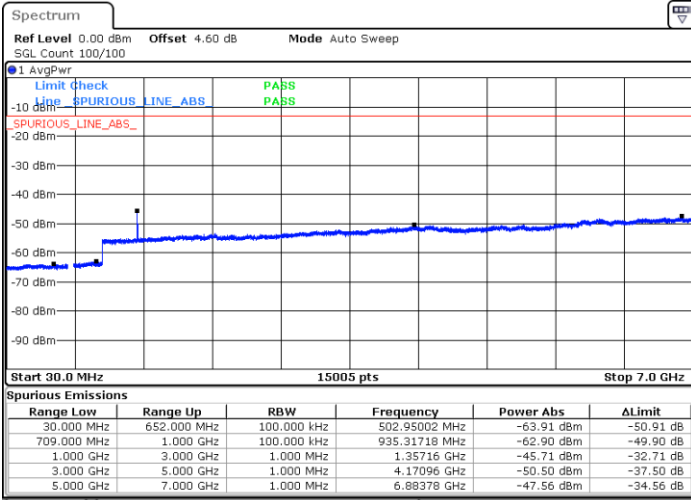


Date: 2.JUL.2020 00:50:11



Date: 2.JUL.2020 01:09:22

Highest Channel / 1RB0



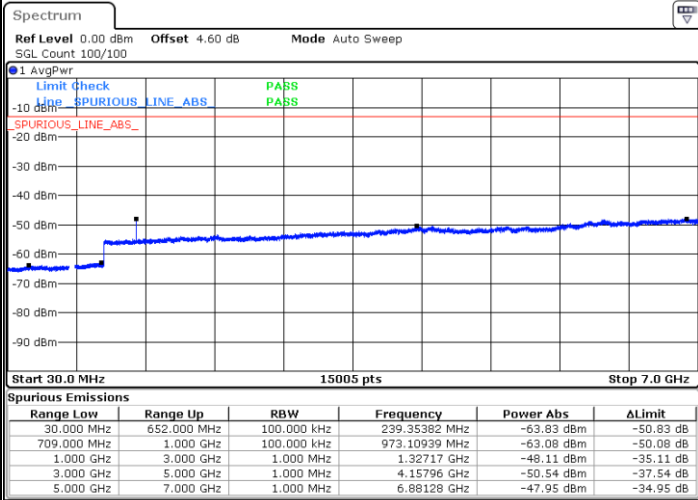
Date: 2.JUL.2020 01:48:59



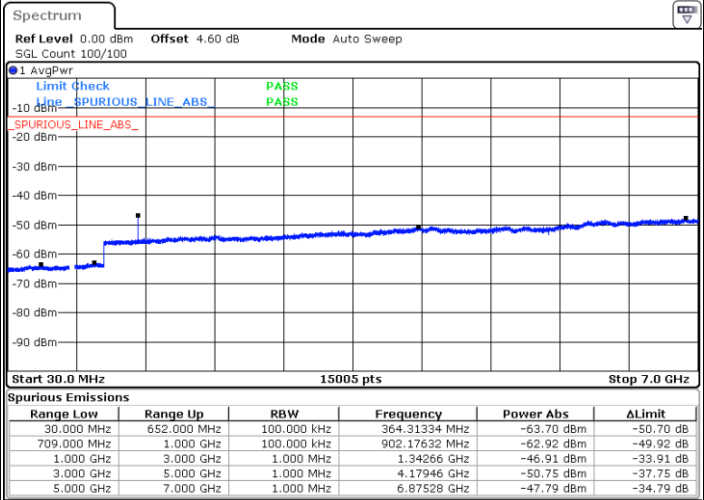
FR1 n71 / 20MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB0

Middle Channel / 1RB0

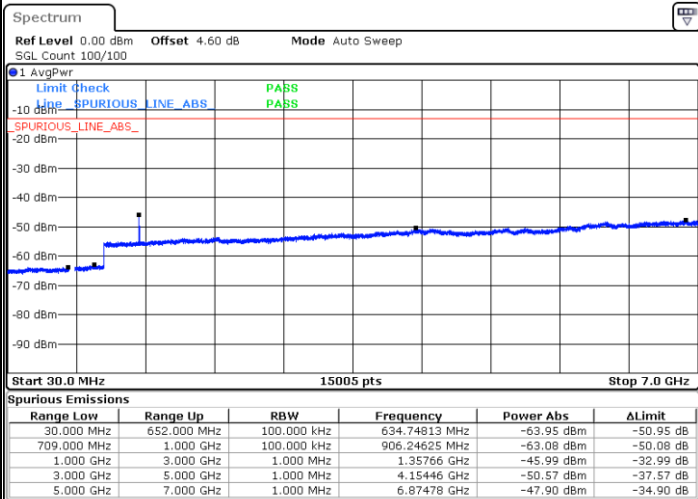


Date: 2.JUL.2020 00:53:44



Date: 2.JUL.2020 01:10:00

Highest Channel / 1RB0



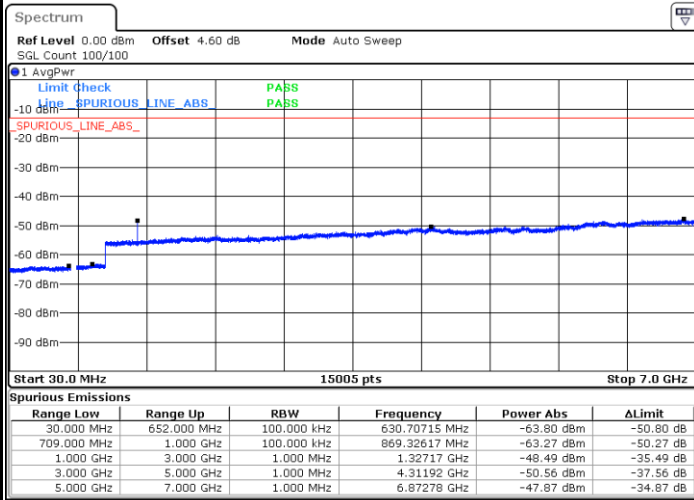
Date: 2.JUL.2020 01:51:21



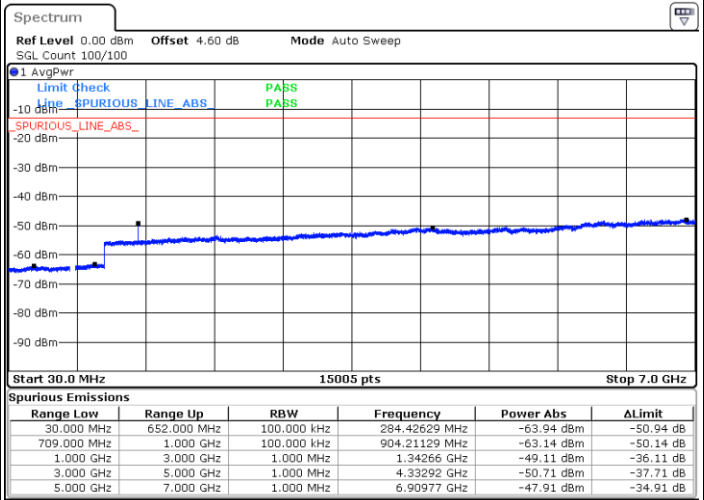
FR1 n71 / 20MHz / DFT-S OFDM / 16QAM

Lowest Channel / 1RB0

Middle Channel / 1RB0

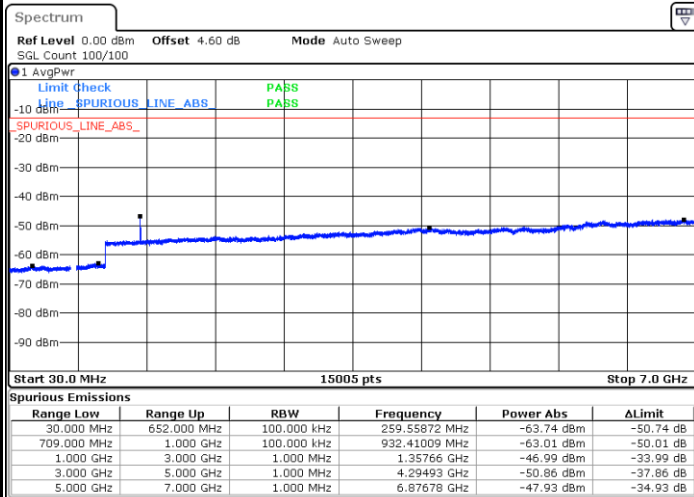


Date: 2.JUL.2020 00:56:22



Date: 2.JUL.2020 01:10:55

Highest Channel / 1RB0



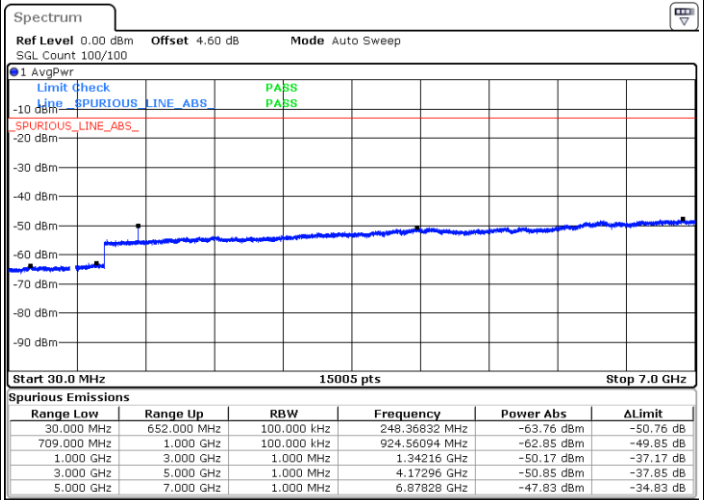
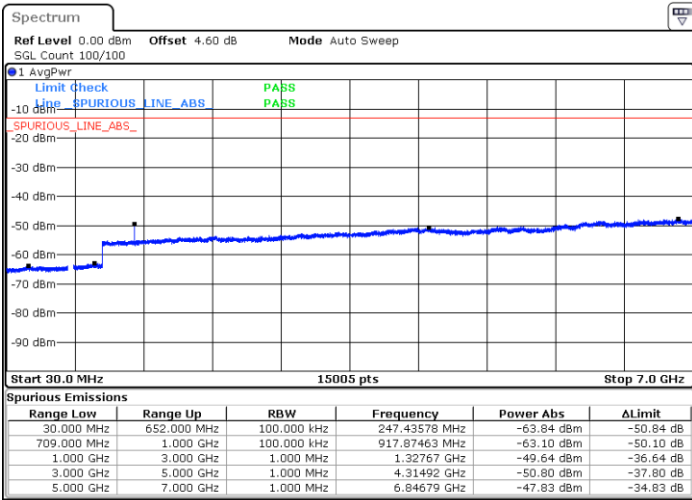
Date: 2.JUL.2020 01:52:20



FR1 n71 / 20MHz / DFT-S OFDM / 64QAM

Lowest Channel / 1RB0

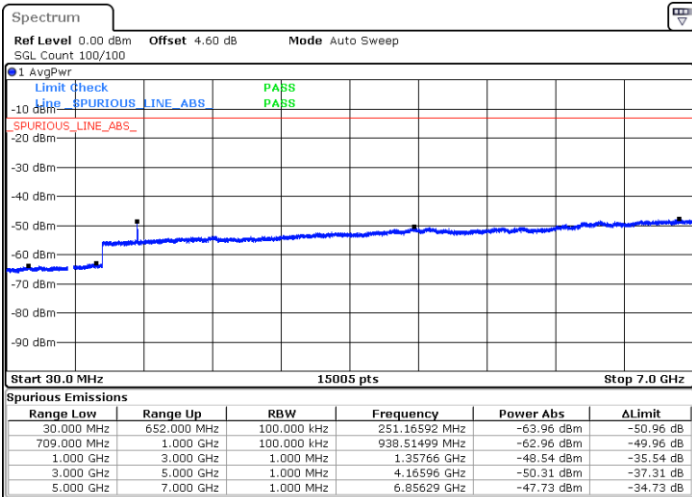
Middle Channel / 1RB0



Date: 2.JUL.2020 00:59:45

Date: 2.JUL.2020 01:11:46

Highest Channel / 1RB0



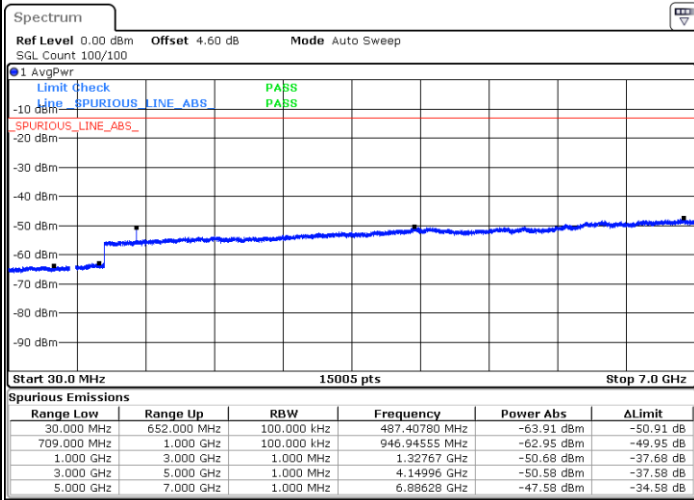
Date: 2.JUL.2020 01:53:41



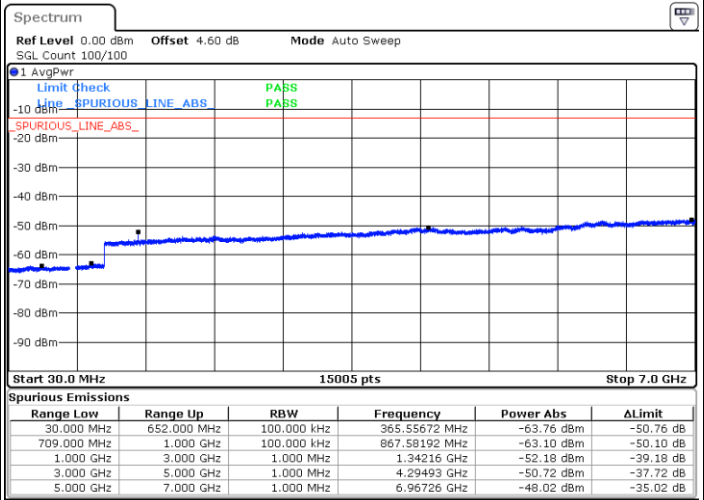
FR1 n71 / 20MHz / DFT-S OFDM / 256QAM

Lowest Channel / 1RB0

Middle Channel / 1RB0

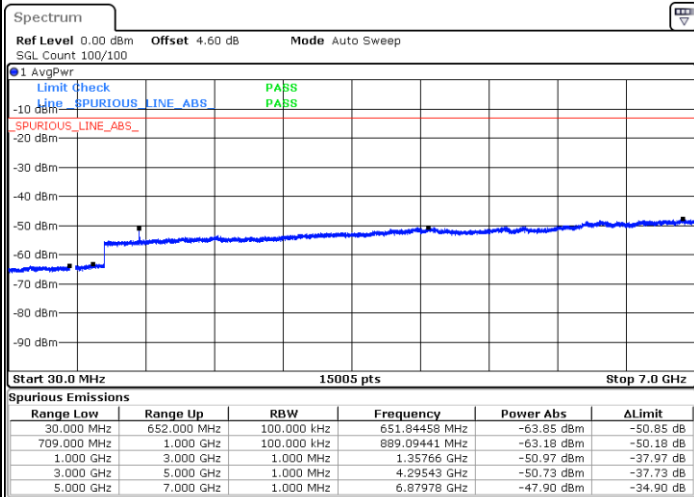


Date: 2.JUL.2020 01:01:30



Date: 2.JUL.2020 01:12:36

Highest Channel / 1RB0



Date: 2.JUL.2020 01:55:13



Frequency Stability

Test Conditions		FR1 n71 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0024	PASS
40	Normal Voltage	0.0005	
30	Normal Voltage	0.0022	
20(Ref.)	Normal Voltage	0.0004	
10	Normal Voltage	0.0010	
0	Normal Voltage	0.0009	
-10	Normal Voltage	0.0031	
-20	Normal Voltage	0.0015	
-30	Normal Voltage	0.0004	
20	Maximum Voltage	0.0032	
20	Normal Voltage	0.0022	
20	Battery End Point	0.0001	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Ant 6

5G NR n2 / NR 20MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3741	-57.22	-13	-44.22	-69.48	2.64	14.90	H
	5613	-53.30	-13	-40.30	-65.16	2.94	14.80	H
	7488	-48.56	-13	-35.56	-58.33	3.39	13.16	H
	3741	-57.04	-13	-44.04	-69.30	2.64	14.90	V
	5613	-53.32	-13	-40.32	-65.18	2.94	14.80	V
	7488	-48.38	-13	-35.38	-58.15	3.39	13.16	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Ant 2 / Ant 6

EN-DC_66A_n2A / LTE 10MHz + NR 20MHz / BPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3742	-57.73	-13	-44.73	-69.99	2.64	14.90	H
	5613	-53.77	-13	-40.77	-65.63	2.94	14.80	H
	7484	-48.80	-13	-35.80	-58.57	3.39	13.16	H
	3742	-57.81	-13	-44.81	-70.07	2.64	14.90	V
	5613	-54.04	-13	-41.04	-65.90	2.94	14.80	V
	7484	-48.70	-13	-35.70	-58.47	3.39	13.16	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Ant 0 / Ant 2

EN-DC_12A_n2A / LTE 10MHz + NR 20MHz / BPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3741	-57.67	-13	-44.67	-69.93	2.64	14.90	H
	5613	-53.36	-13	-40.36	-65.22	2.94	14.80	H
	7488	-49.48	-13	-36.48	-59.25	3.39	13.16	H
	3741	-57.93	-13	-44.93	-70.19	2.64	14.90	V
	5613	-53.88	-13	-40.88	-65.74	2.94	14.80	V
	7488	-48.76	-13	-35.76	-58.53	3.39	13.16	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



Ant 0 / Ant 2

EN-DC_5A_n2A / LTE 10MHz + NR 20MHz / BPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3741	-57.67	-13	-44.67	-69.93	2.64	14.90	H
	5613	-53.46	-13	-40.46	-65.32	2.94	14.80	H
	7488	-48.44	-13	-35.44	-58.21	3.39	13.16	H
	3741	-57.93	-13	-44.93	-70.19	2.64	14.90	V
	5613	-53.88	-13	-40.88	-65.74	2.94	14.80	V
	7488	-47.91	-13	-34.91	-57.68	3.39	13.16	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Ant 2 / Ant 0

EN-DC_2A_n5A / LTE 10MHz + NR 20MHz / BPSK								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1656	-65.83	-13	-52.83	-72.80	1.58	10.70	H
	2482	-59.35	-13	-46.35	-67.60	2.102	12.50	H
	3309	-60.11	-13	-47.11	-69.00	2.856	13.90	H
	1656	-65.62	-13	-52.62	-72.59	1.58	10.70	V
	2482	-58.24	-13	-45.24	-66.49	2.10	12.50	V
	3309	-59.86	-13	-46.86	-68.75	2.86	13.90	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Ant 2 / Ant 0

EN-DC_66A_n5A / LTE 10MHz + NR 20MHz / BPSK								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1656	-66.16	-13	-53.16	-73.13	1.58	10.70	H
	2482	-59.57	-13	-46.57	-67.82	2.102	12.50	H
	3309	-60.98	-13	-47.98	-69.87	2.856	13.90	H
	1656	-65.93	-13	-52.93	-72.90	1.58	10.70	V
	2482	-57.79	-13	-44.79	-66.04	2.10	12.50	V
	3309	-60.54	-13	-47.54	-69.43	2.86	13.90	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



Ant 2 / Ant 1

EN-DC_7A_n5A / LTE 10MHz + NR 20MHz / BPSK								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1654	-65.13	-13	-52.13	-72.10	1.58	10.70	H
	2482	-59.22	-13	-46.22	-67.47	2.102	12.50	H
	3310	-61.36	-13	-48.36	-70.25	2.856	13.90	H
	1654	-65.06	-13	-52.06	-72.03	1.58	10.70	V
	2482	-56.64	-13	-43.64	-64.89	2.10	12.50	V
	3310	-61.34	-13	-48.34	-70.23	2.86	13.90	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Ant 2 / Ant 6

EN-DC_2A_n66A / LTE 10MHz + NR 20MHz / BPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3471	-60.12	-13	-47.12	-70.86	2.604	13.34	H
	5208	-51.05	-13	-38.05	-61.56	3.011	13.52	H
	6948	-50.90	-13	-37.90	-61.10	3.271	13.47	H
	3471	-60.60	-13	-47.60	-71.34	2.604	13.34	V
	5208	-54.71	-13	-41.71	-65.22	3.011	13.52	V
	6948	-50.36	-13	-37.36	-60.56	3.271	13.47	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Ant 0 / Ant 2

EN-DC_5A_n66A / LTE 20MHz + NR 20MHz / BPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3471	-60.11	-13	-47.11	-70.85	2.604	13.34	H
	5208	-51.13	-13	-38.13	-61.64	3.011	13.52	H
	6948	-50.42	-13	-37.42	-60.62	3.271	13.47	H
	3471	-60.30	-13	-47.30	-71.04	2.604	13.34	V
	5208	-54.16	-13	-41.16	-64.67	3.011	13.52	V
	6948	-50.64	-13	-37.64	-60.84	3.271	13.47	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



Ant 1 / Ant 6

EN-DC_12A_n66A / LTE 10MHz + NR 20MHz / BPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3471	-60.11	-13	-47.11	-70.85	2.604	13.34	H
	5208	-52.15	-13	-39.15	-62.66	3.011	13.52	H
	6948	-50.42	-13	-37.42	-60.62	3.271	13.47	H
	3471	-60.30	-13	-47.30	-71.04	2.604	13.34	V
	5208	-54.16	-13	-41.16	-64.67	3.011	13.52	V
	6948	-50.64	-13	-37.64	-60.84	3.271	13.47	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Ant 2 / ant 6

EN-DC_7A_n66A / LTE 10MHz + NR 20MHz / BPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3471	-60.41	-13	-47.41	-71.15	2.604	13.34	H
	5208	-54.46	-13	-41.46	-64.97	3.011	13.52	H
	6948	-50.11	-13	-37.11	-60.31	3.271	13.47	H
	3471	-60.32	-13	-47.32	-71.06	2.604	13.34	V
	5208	-54.74	-13	-41.74	-65.25	3.011	13.52	V
	6948	-50.20	-13	-37.20	-60.40	3.271	13.47	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Ant 0 / Ant 2

EN-DC_13A_n66A / LTE 10MHz + NR 20MHz / BPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3471	-60.29	-13	-47.29	-71.03	2.604	13.34	H
	5208	-54.36	-13	-41.36	-64.87	3.011	13.52	H
	6948	-50.56	-13	-37.56	-60.76	3.271	13.47	H
	3471	-60.22	-13	-47.22	-70.96	2.604	13.34	V
	5208	-54.53	-13	-41.53	-65.04	3.011	13.52	V
	6948	-50.51	-13	-37.51	-60.71	3.271	13.47	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



Ant 0 / Ant 2

EN-DC_71A_n66A / LTE 10MHz + NR 20MHz / BPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3471	-60.66	-13	-47.66	-71.40	2.604	13.34	H
	5208	-54.87	-13	-41.87	-65.38	3.011	13.52	H
	6948	-50.86	-13	-37.86	-61.06	3.271	13.47	H
	3471	-60.52	-13	-47.52	-71.26	2.604	13.34	V
	5208	-54.68	-13	-41.68	-65.19	3.011	13.52	V
	6948	-50.81	-13	-37.81	-61.01	3.271	13.47	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Ant 2 / Ant 0

EN-DC_2A_n71A / LTE 10MHz + NR 20MHz / BPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1343	-65.68	-13	-52.68	-67.43	1.02	4.92	H
	2014	-63.43	-13	-50.43	-65.40	1.27	5.39	H
	2686	-62.04	-13	-49.04	-64.97	1.49	6.57	H
	1344	-65.31	-13	-52.31	-67.06	1.02	4.92	V
	2014	-64.31	-13	-51.31	-66.28	1.27	5.39	V
	2686	-61.74	-13	-48.74	-64.67	1.49	6.57	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Ant 2 / Ant 0

EN-DC_7A_n71A / LTE 10MHz + NR 20MHz / BPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1344	-65.72	-13	-52.72	-67.47	1.02	4.92	H
	2014	-64.25	-13	-51.25	-66.22	1.27	5.39	H
	2686	-61.36	-13	-48.36	-64.29	1.49	6.57	H
	1343	-65.52	-13	-52.52	-67.27	1.02	4.92	V
	2014	-63.98	-13	-50.98	-65.95	1.27	5.39	V
	2686	-61.73	-13	-48.73	-64.66	1.49	6.57	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



Ant 2 / Ant 0

EN-DC_66A_n71A / LTE 10MHz + NR 20MHz / BPSK								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1344	-66.45	-13	-53.45	-68.20	1.02	4.92	H
	2014	-63.69	-13	-50.69	-65.66	1.27	5.39	H
	2686	-61.85	-13	-48.85	-64.78	1.49	6.57	H
	1344	-66.01	-13	-53.01	-67.76	1.02	4.92	V
	2014	-62.56	-13	-49.56	-64.53	1.27	5.39	V
	2686	-61.41	-13	-48.41	-64.34	1.49	6.57	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Ant 2 / Ant 6

EN-DC_71A_n38A / LTE 10MHz + NR 20MHz / BPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5172	-64.92	-25	-39.92	-75.13	3.03	13.24	H
	7760	-60.36	-25	-35.36	-69.81	3.56	13.01	H
	10340	-57.45	-25	-32.45	-66.97	3.92	13.44	H
	5172	-65.55	-25	-40.55	-75.76	3.03	13.24	V
	7760	-60.56	-25	-35.56	-70.01	3.56	13.01	V
	10340	-57.53	-25	-32.53	-67.05	3.92	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Ant 2

5G NR n41(HPUE) / NR 100MHz / BPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5096	-65.78	-25	-40.78	-75.99	3.03	13.24	H
	7644	-61.03	-25	-36.03	-70.48	3.56	13.01	H
	10192.36	-57.64	-25	-32.64	-67.16	3.92	13.44	H
	5096	-65.35	-25	-40.35	-75.56	3.03	13.24	V
	7644	-60.53	-25	-35.53	-69.98	3.56	13.01	V
	10192.36	-58.00	-25	-33.00	-67.52	3.92	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



Ant 2 / Ant 6

EN-DC_2A_n41A(HPUE) / LTE 10MHz + NR 100MHz / BPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5096	-65.32	-25	-40.32	-75.53	3.03	13.24	H
	7644	-59.96	-25	-34.96	-69.41	3.56	13.01	H
	10190	-58.20	-25	-33.20	-67.72	3.92	13.44	H
	5096	-65.28	-25	-40.28	-75.49	3.03	13.24	V
	7644	-60.84	-25	-35.84	-70.29	3.56	13.01	V
	10190	-58.21	-25	-33.21	-67.73	3.92	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Ant 0 / Ant 2

EN-DC_5A_n41A(HPUE) / LTE 10MHz + NR 100MHz / BPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5096	-65.02	-25	-40.02	-75.23	3.03	13.24	H
	7644	-60.84	-25	-35.84	-70.29	3.56	13.01	H
	10192	-58.07	-25	-33.07	-67.59	3.92	13.44	H
	5096	-65.52	-25	-40.52	-75.73	3.03	13.24	V
	7644	-60.80	-25	-35.80	-70.25	3.56	13.01	V
	10190	-58.03	-25	-33.03	-67.55	3.92	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Ant 2 / Ant 6

EN-DC_66A_n41A(HPUE) / LTE 10MHz + NR 100MHz / BPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5096	-64.87	-25	-39.87	-75.08	3.03	13.24	H
	7644	-60.88	-25	-35.88	-70.33	3.56	13.01	H
	10190	-58.17	-25	-33.17	-67.69	3.92	13.44	H
	5096	-65.36	-25	-40.36	-75.57	3.03	13.24	V
	7644	-60.59	-25	-35.59	-70.04	3.56	13.01	V
	10190	-57.90	-25	-32.90	-67.42	3.92	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.