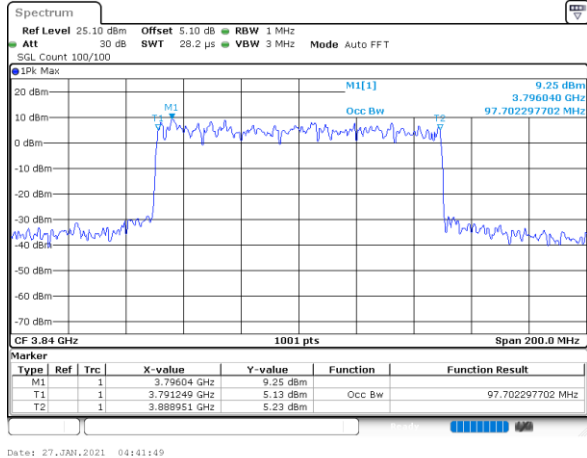




FR1 n77+5A / 100MHz / CP-OFDM

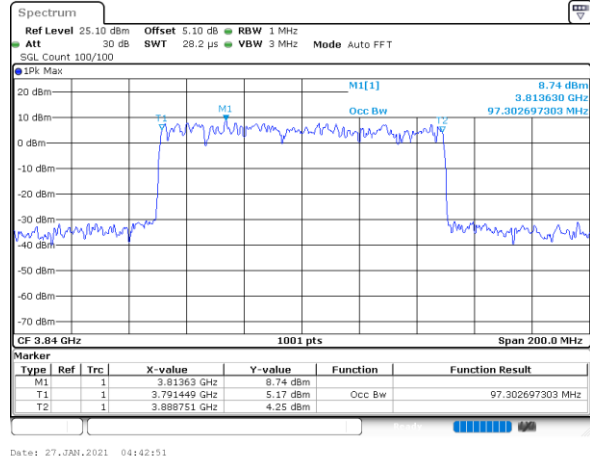
QPSK

Middle Channel



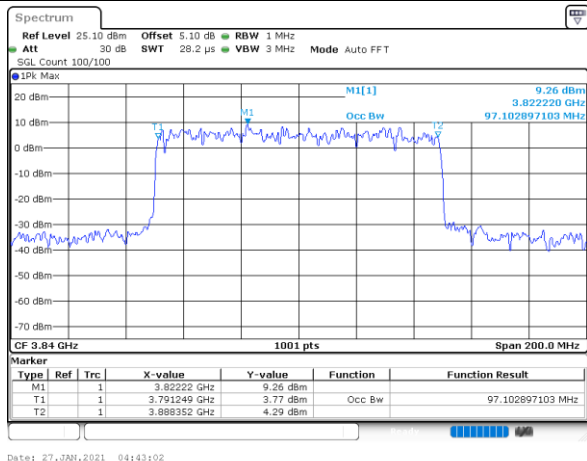
16QAM

Middle Channel



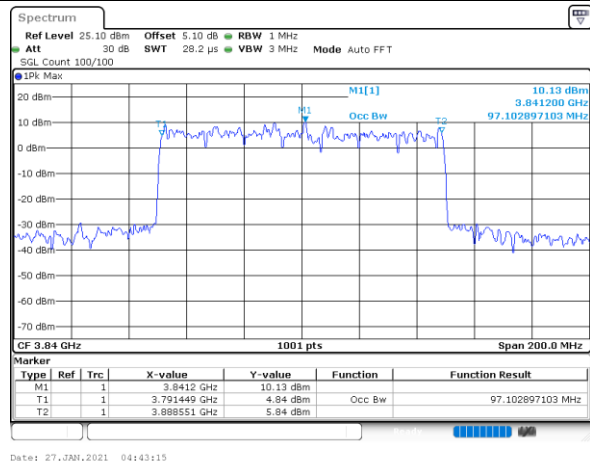
64QAM

Middle Channel



256QAM

Middle Channel

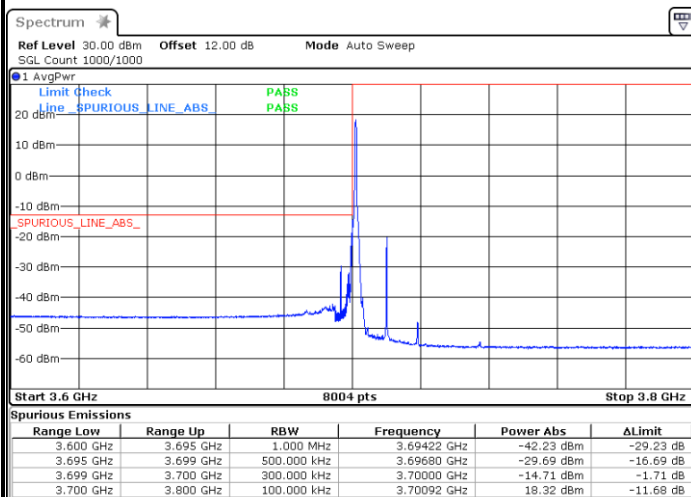




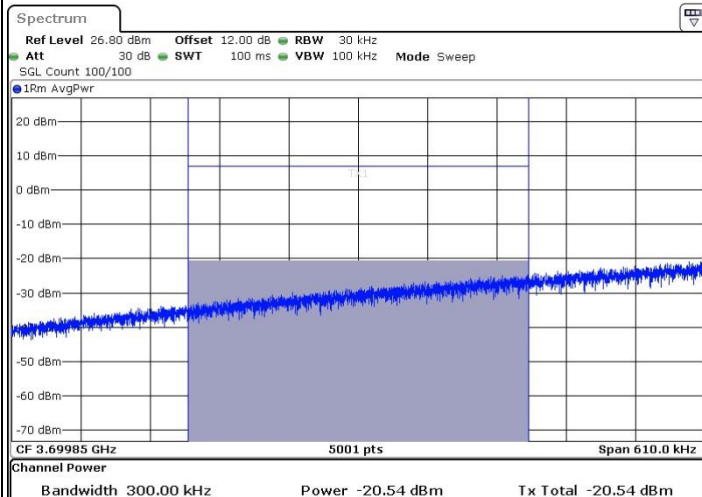
Conducted Band Edge

FR1 n77+5A / 20MHz / DFT-S OFDM BPSK

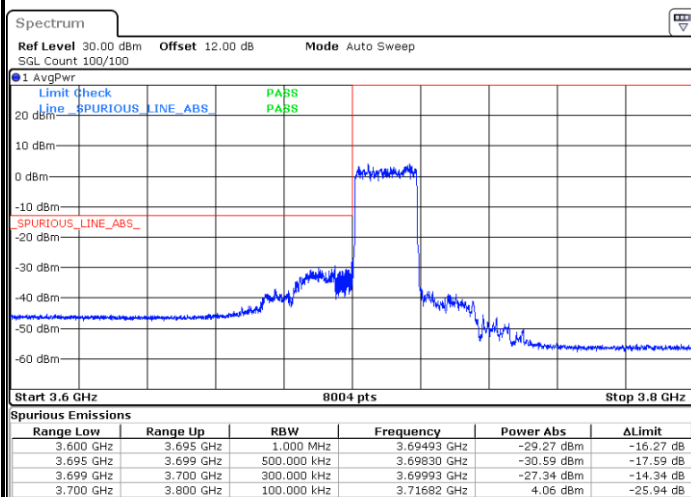
Lowest Band Edge / 1 RB



Channel Power < -13dBm Pass



Lowest Band Edge / Full RB



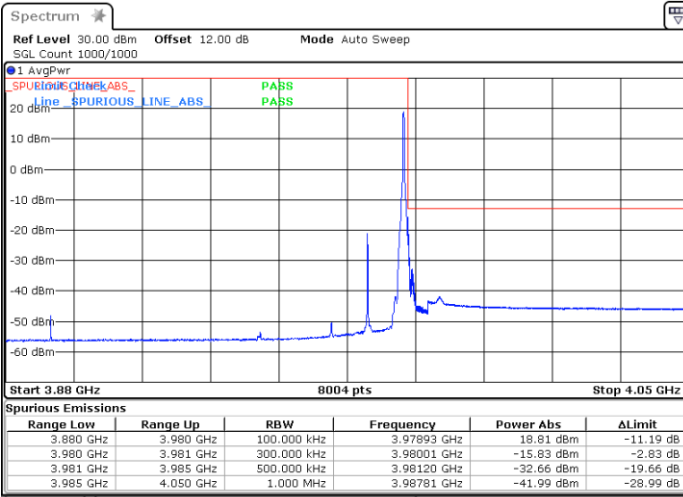
Channel Power < -13dBm Pass

/

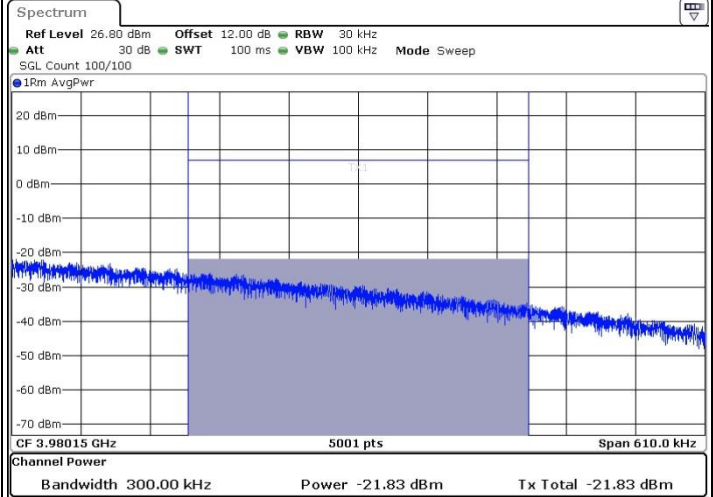


FR1 n77+5A / 20MHz / DFT-S OFDM BPSK

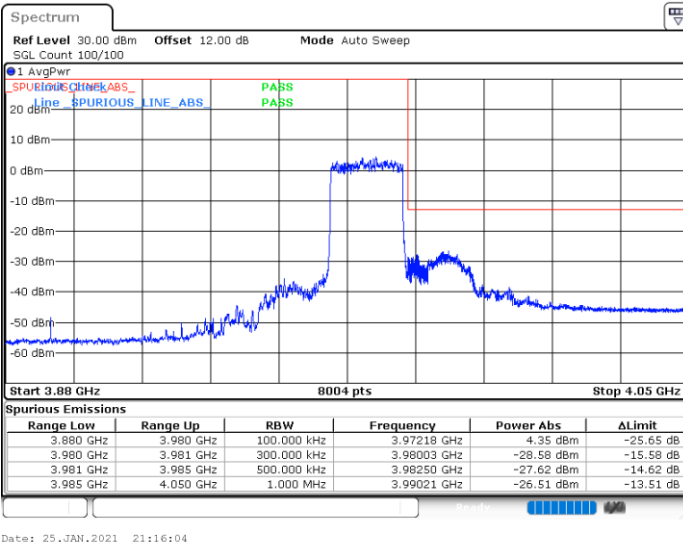
Highest Band Edge / 1 RB



Channel Power < -13dBm Pass



Highest Band Edge / Full RB



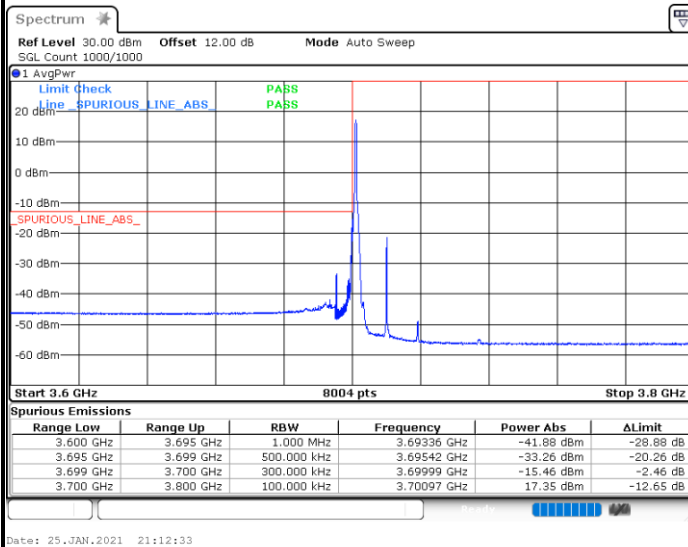
Channel Power < -13dBm Pass

/

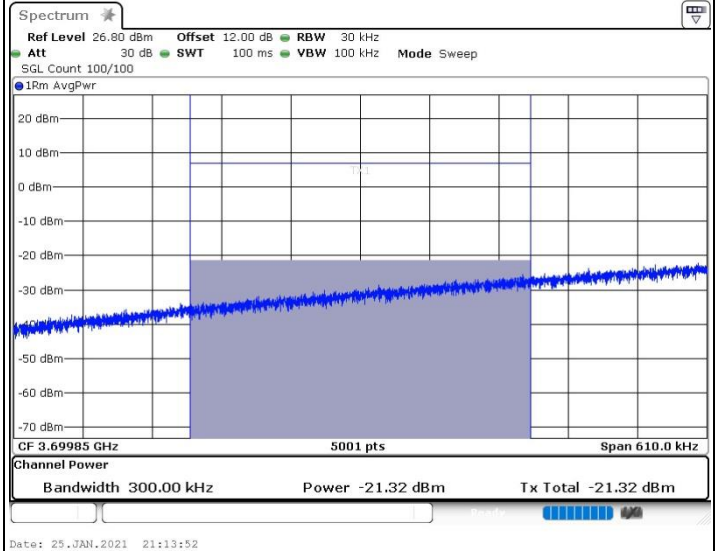


FR1 n77+5A / 20MHz / DFT-S OFDM QPSK

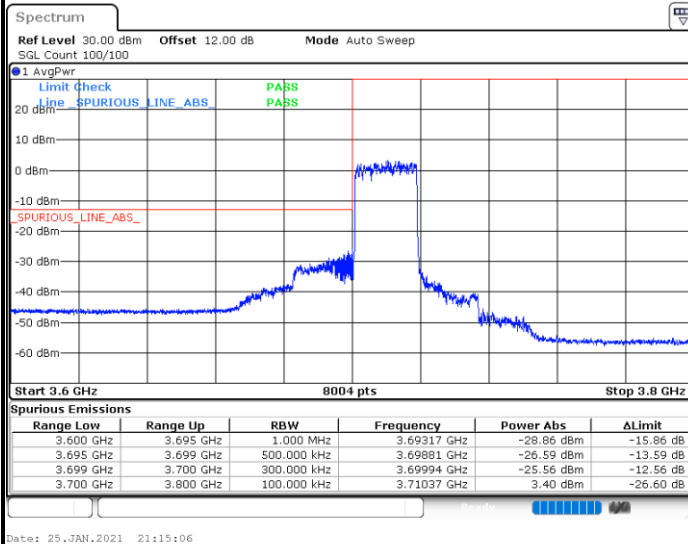
Lowest Band Edge / 1 RB



Channel Power < -13dBm Pass



Lowest Band Edge / Full RB



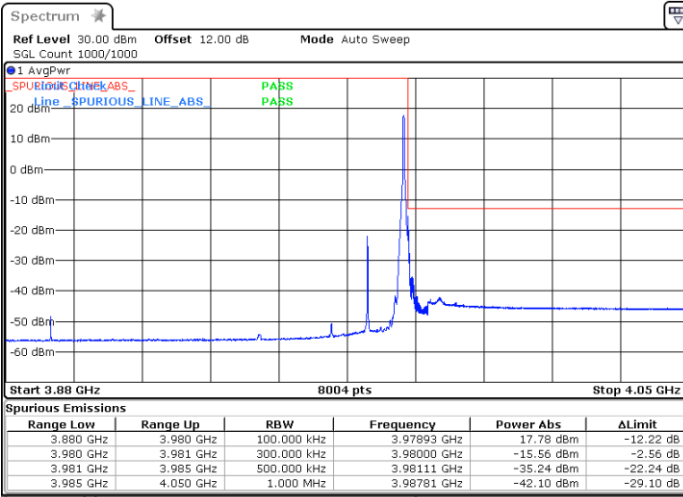
Channel Power < -13dBm Pass

/

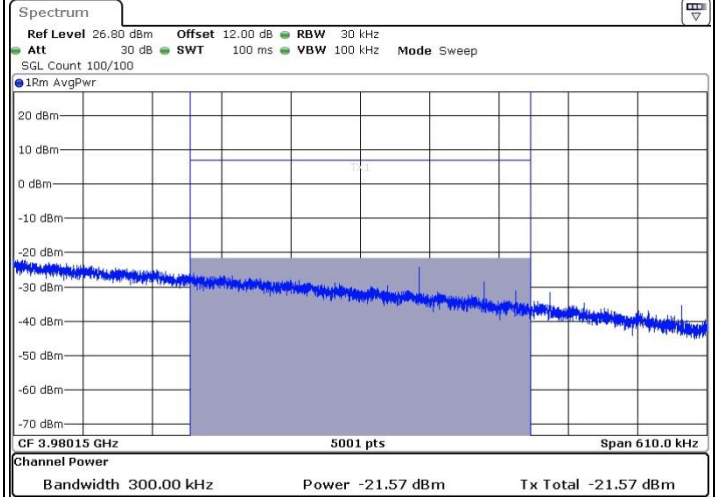


FR1 n77+5A / 20MHz / DFT-S OFDM QPSK

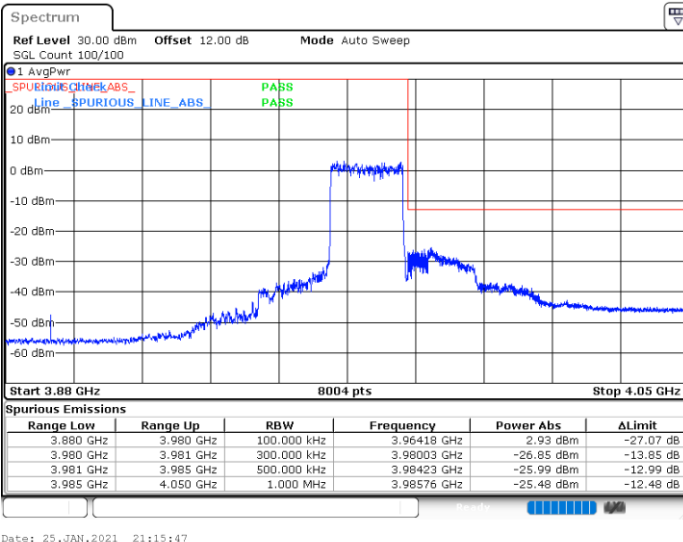
Highest Band Edge / 1 RB



Channel Power < -13dBm Pass



Highest Band Edge / Full RB



Channel Power < -13dBm Pass

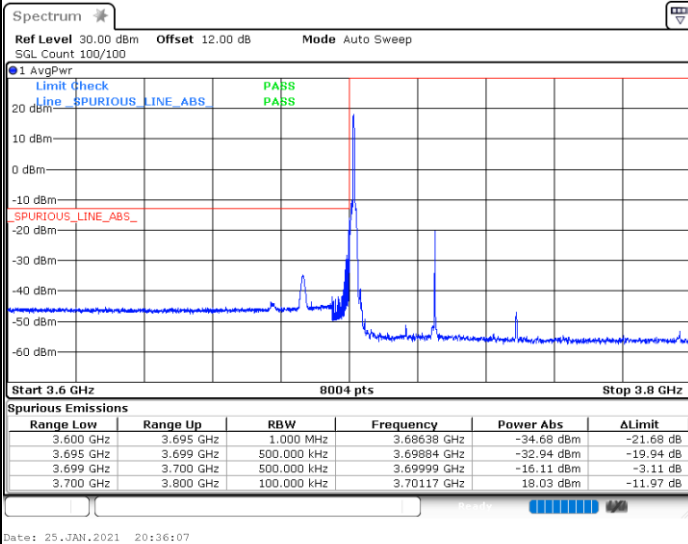
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FR1 n77+5A / 50MHz / DFT-S OFDM BPSK

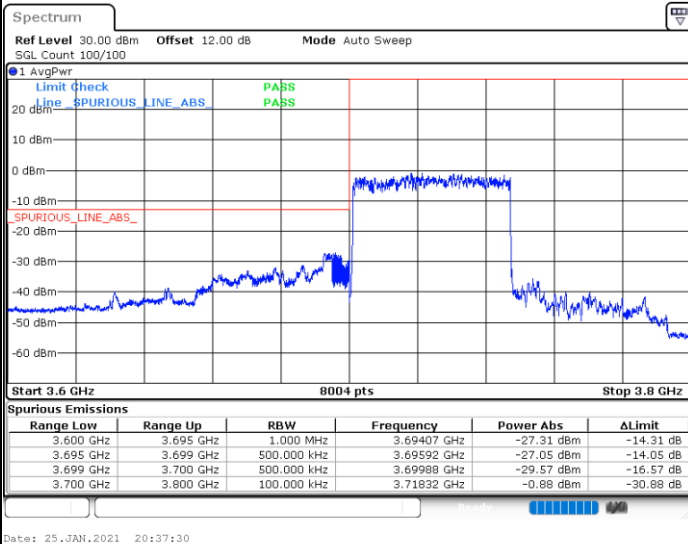
Lowest Band Edge / 1 RB

Channel Power < -13dBm Pass



Lowest Band Edge / Full RB

Channel Power < -13dBm Pass

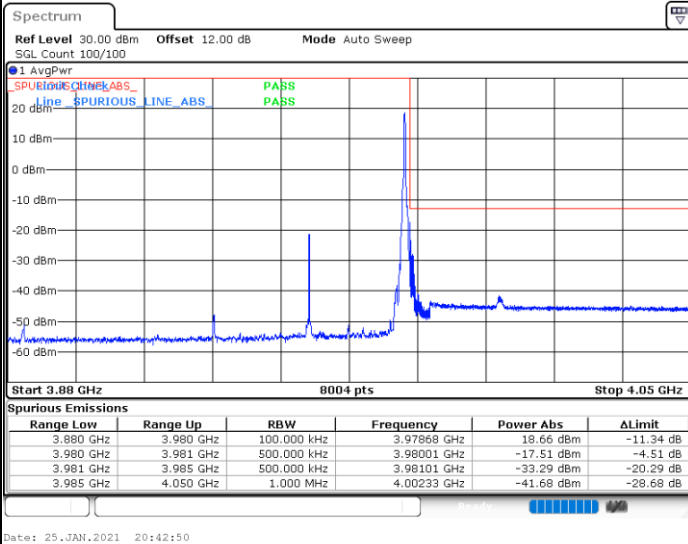




FR1 n77+5A / 50MHz / DFT-S OFDM BPSK

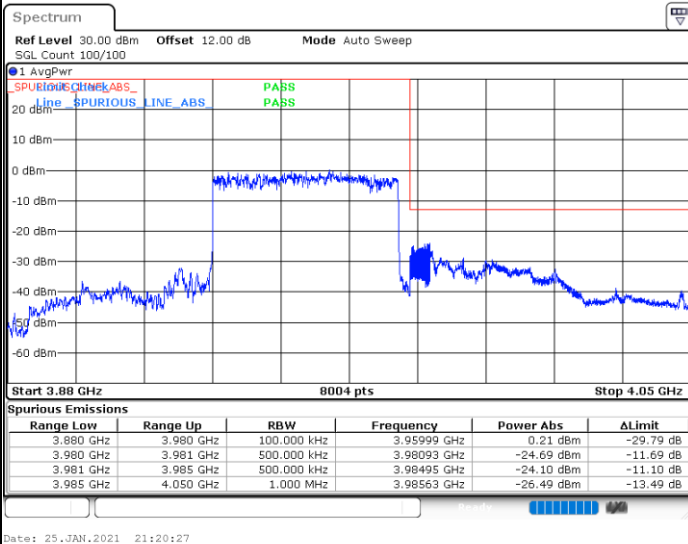
Highest Band Edge / 1 RB

Channel Power < -13dBm Pass



Highest Band Edge / Full RB

Channel Power < -13dBm Pass

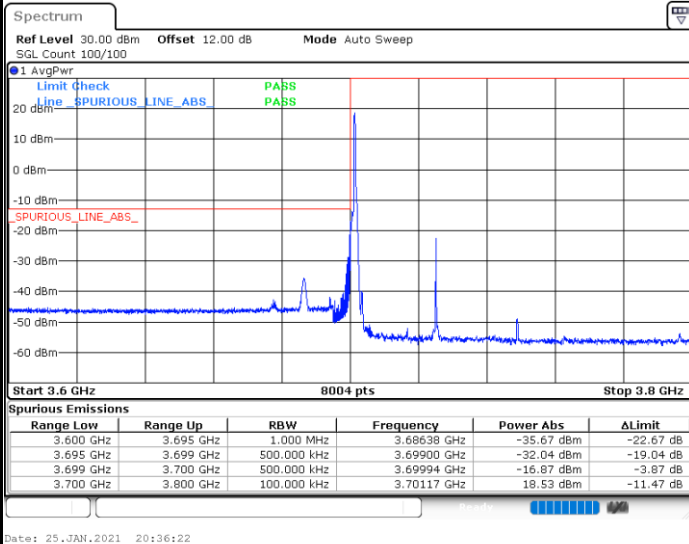




FR1 n77+5A / 50MHz / DFT-S OFDM QPSK

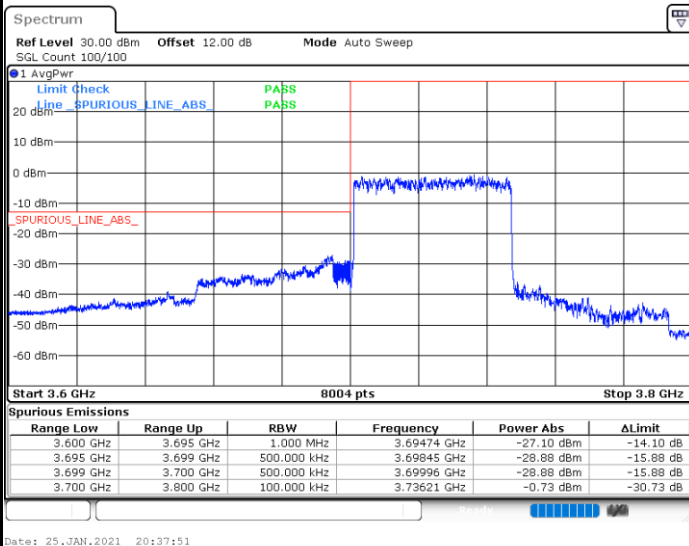
Lowest Band Edge / 1 RB

Channel Power < -13dBm Pass



Lowest Band Edge / Full RB

Channel Power < -13dBm Pass

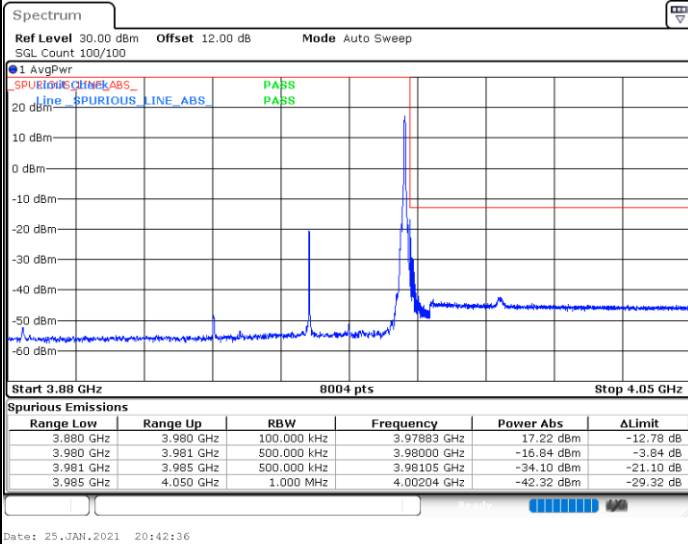




FR1 n77+5A / 50MHz / DFT-S OFDM QPSK

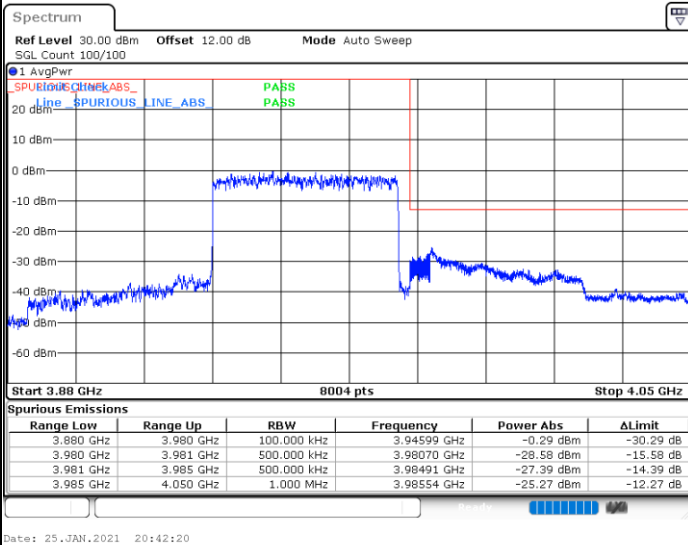
Highest Band Edge / 1 RB

Channel Power < -13dBm Pass



Highest Band Edge / Full RB

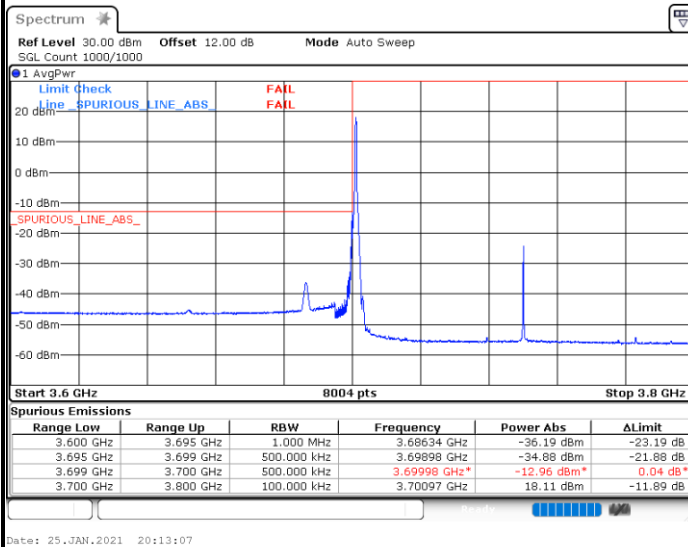
Channel Power < -13dBm Pass



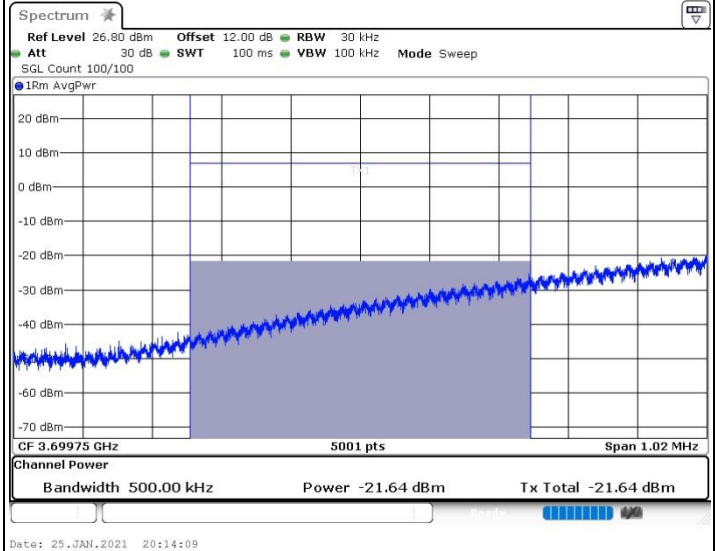


FR1 n77+5A / 100MHz / DFT-S OFDM BPSK

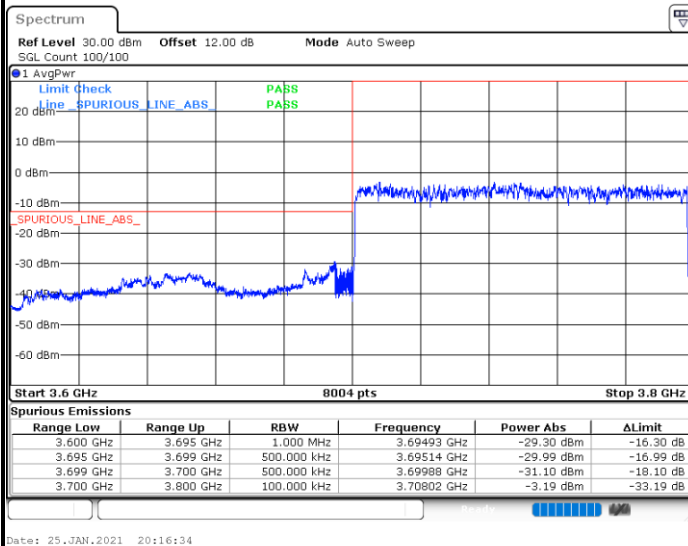
Lowest Band Edge / 1 RB



Channel Power < -13dBm Pass



Lowest Band Edge / Full RB



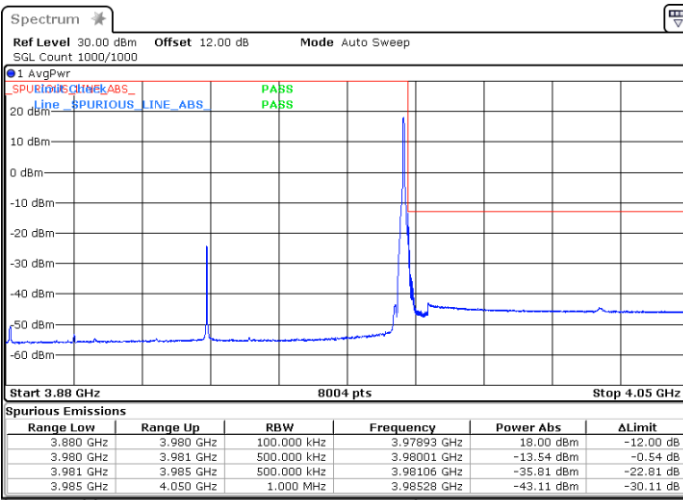
Channel Power < -13dBm Pass

/

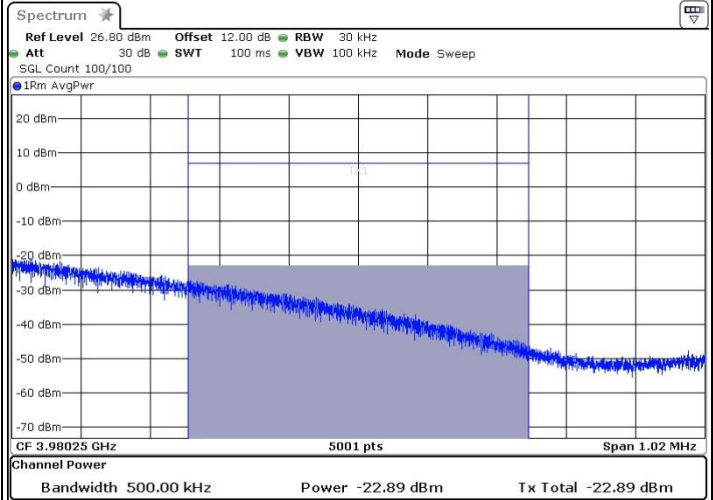


FR1 n77+5A / 100MHz / DFT-S OFDM BPSK

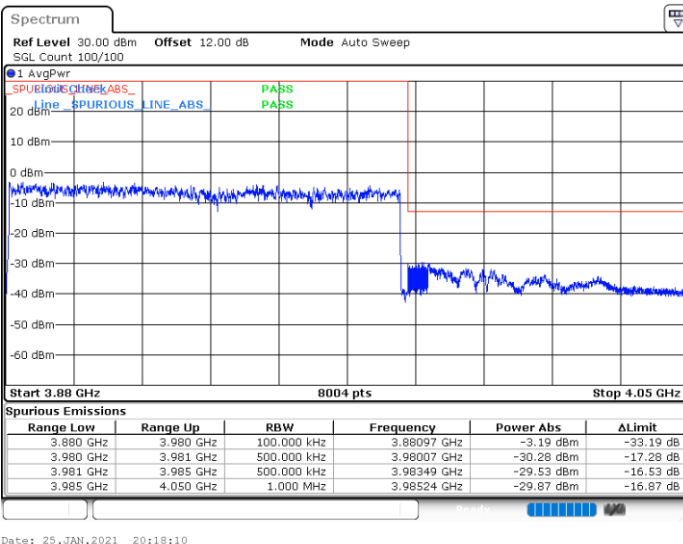
Highest Band Edge / 1 RB



Channel Power < -13dBm Pass



Highest Band Edge / Full RB



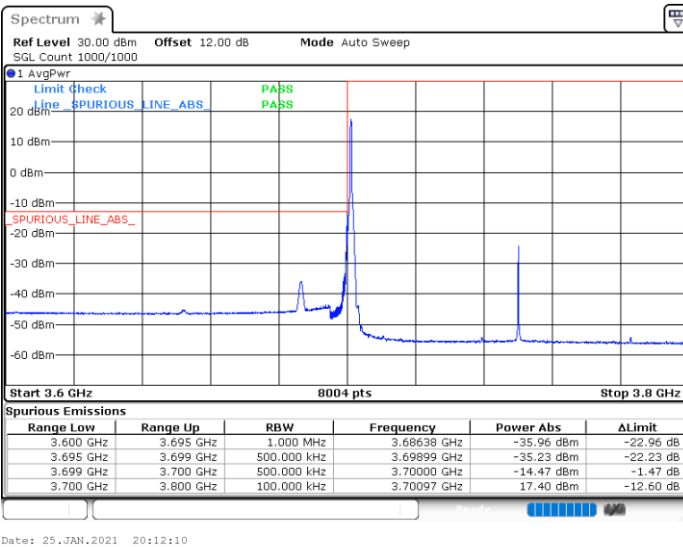
Channel Power < -13dBm Pass

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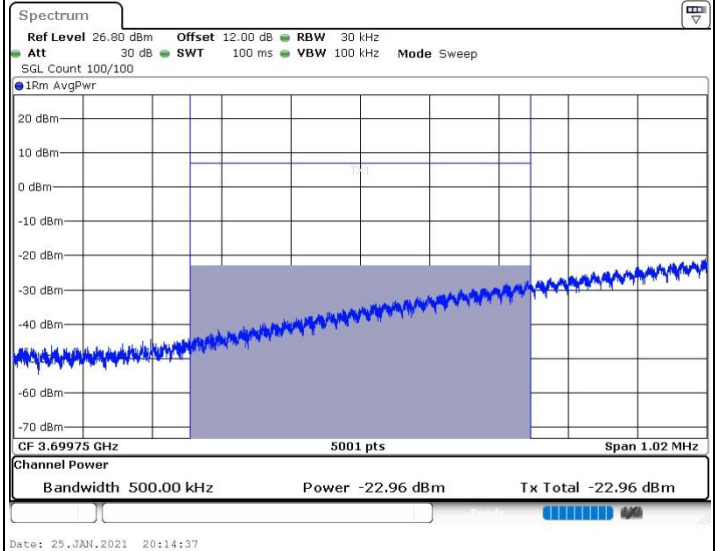


FR1 n77+5A / 100MHz / DFT-S OFDM QPSK

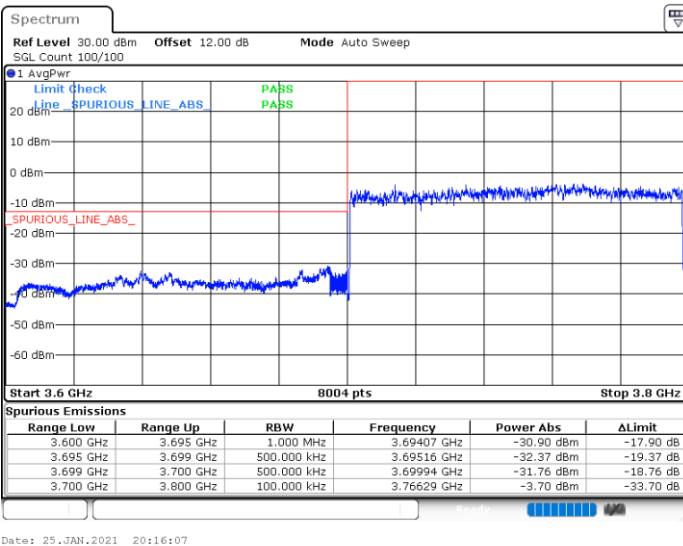
Lowest Band Edge / 1 RB



Channel Power < -13dBm Pass



Lowest Band Edge / Full RB



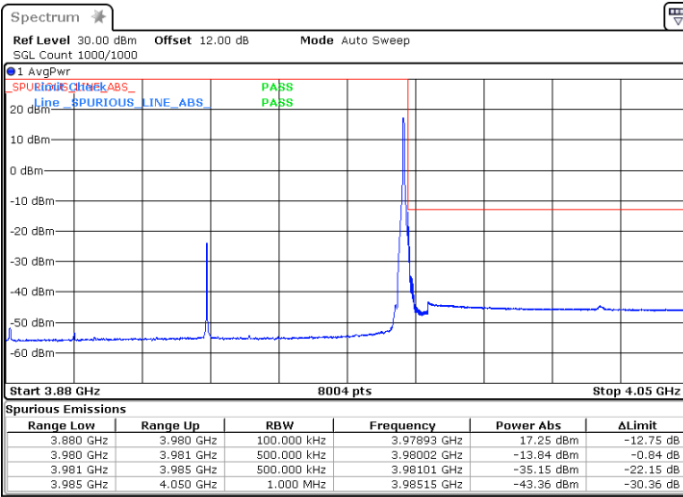
Channel Power < -13dBm Pass

/

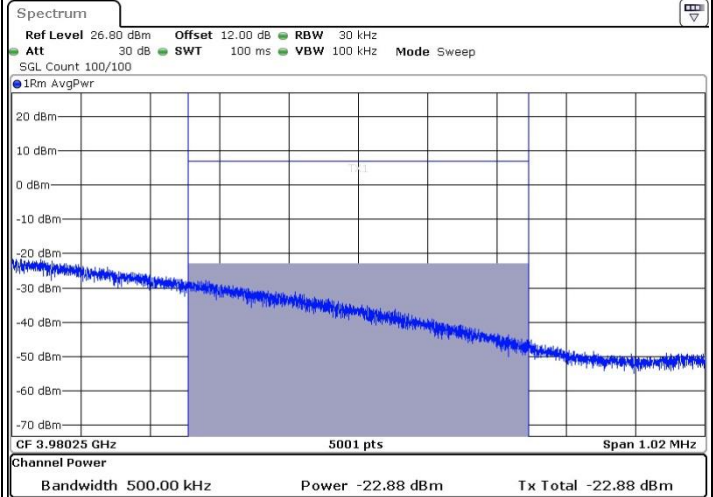


FR1 n77+5A / 100MHz / DFT-S OFDM QPSK

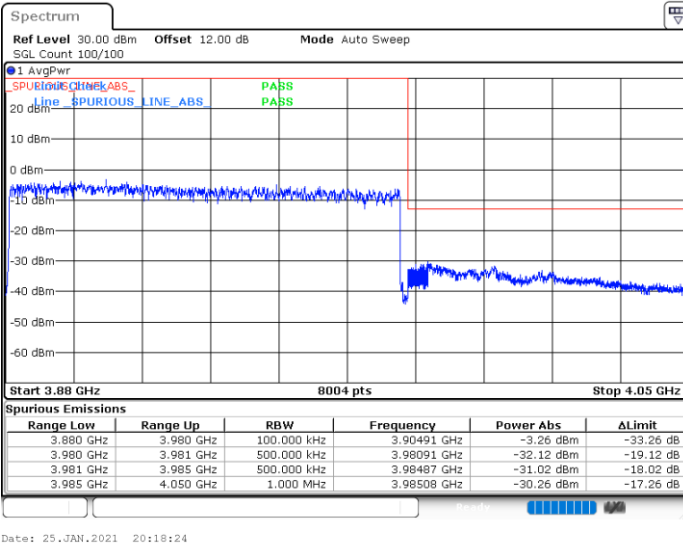
Highest Band Edge / 1 RB



Channel Power < -13dBm Pass



Highest Band Edge / Full RB



Channel Power < -13dBm Pass

/

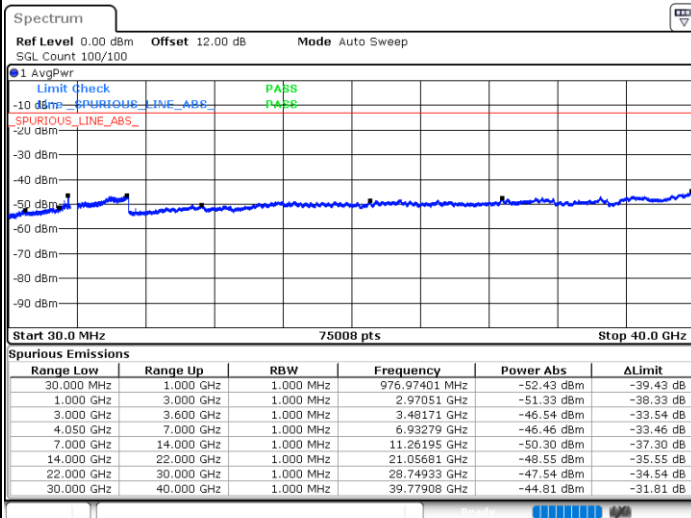


Conducted Spurious Emission

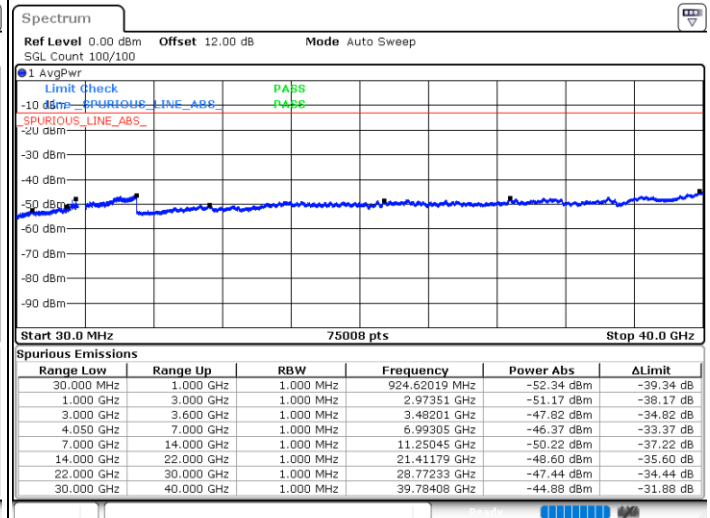
FR1 n77+5A / 20MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB

Middle Channel / 1RB

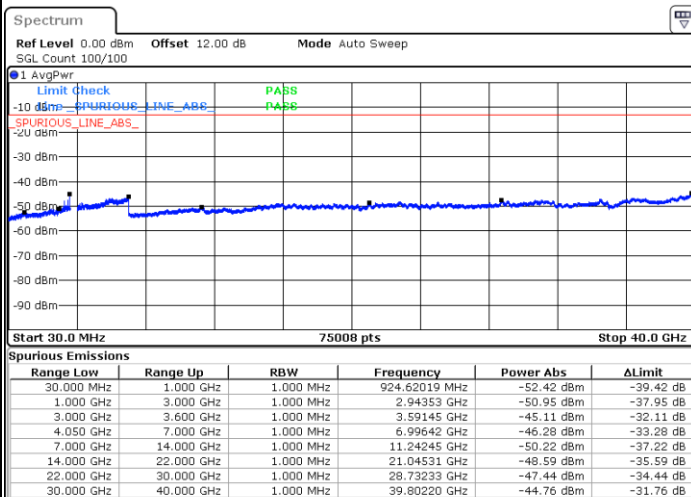


Date: 28.JAN.2021 16:04:18



Date: 28.JAN.2021 16:10:44

Highest Channel / 1RB



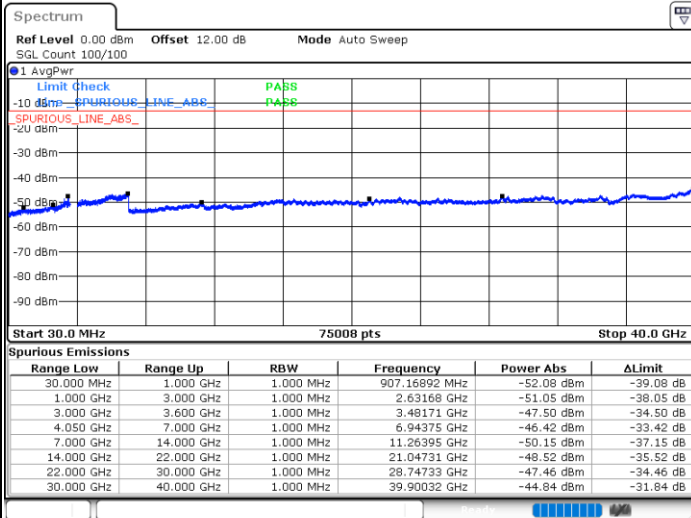
Date: 28.JAN.2021 16:17:08



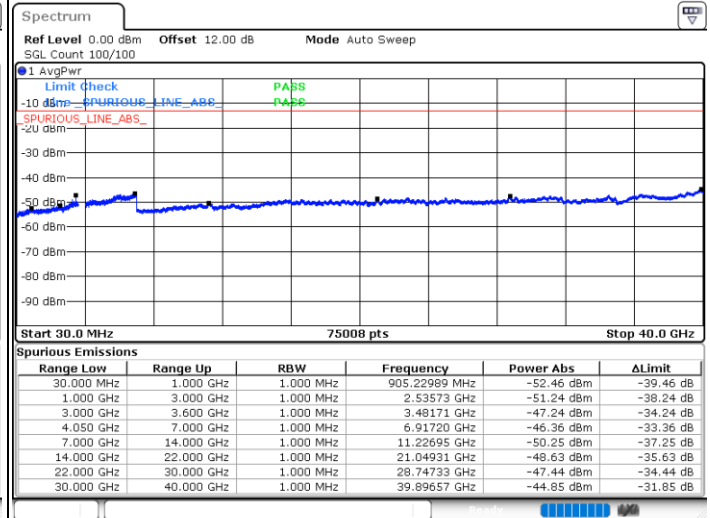
FR1 n77+5A / 20MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB

Middle Channel / 1RB

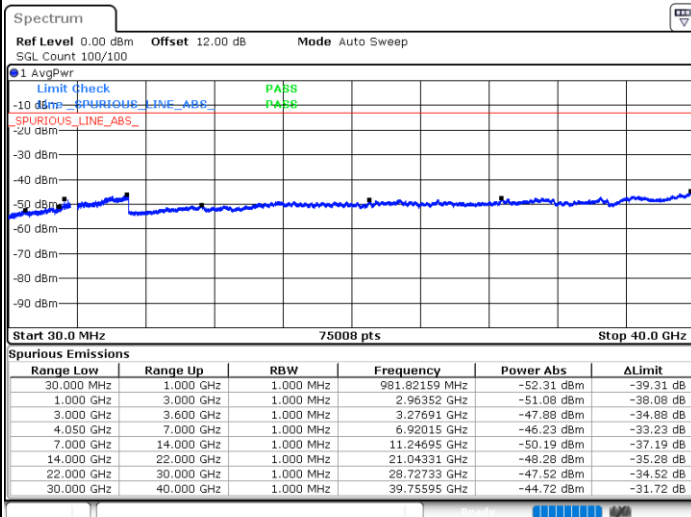


Date: 28.JAN.2021 16:06:44



Date: 28.JAN.2021 16:08:47

Highest Channel / 1RB



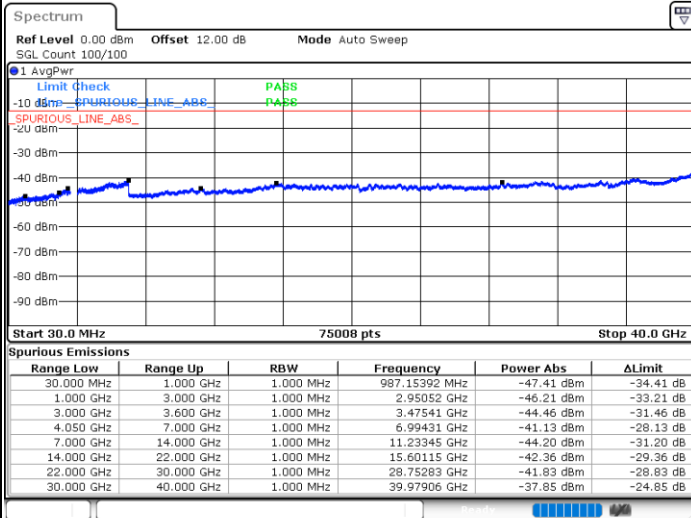
Date: 28.JAN.2021 16:25:54



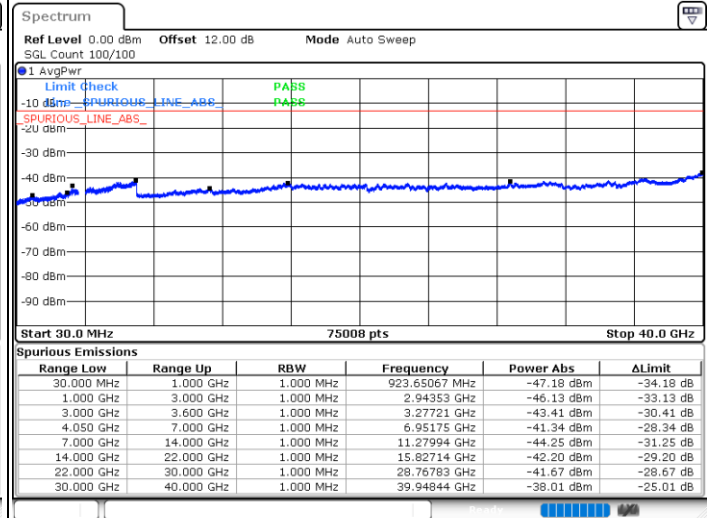
FR1 n77+5A / 50MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB

Middle Channel / 1RB

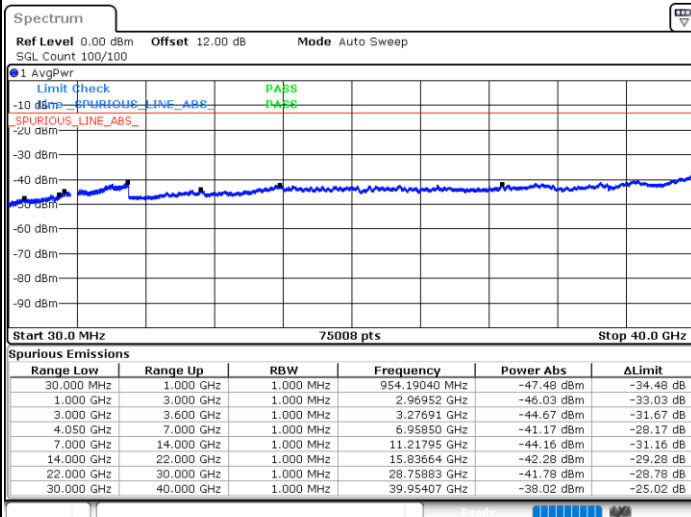


Date: 28.JAN.2021 15:47:44



Date: 28.JAN.2021 15:50:15

Highest Channel / 1RB



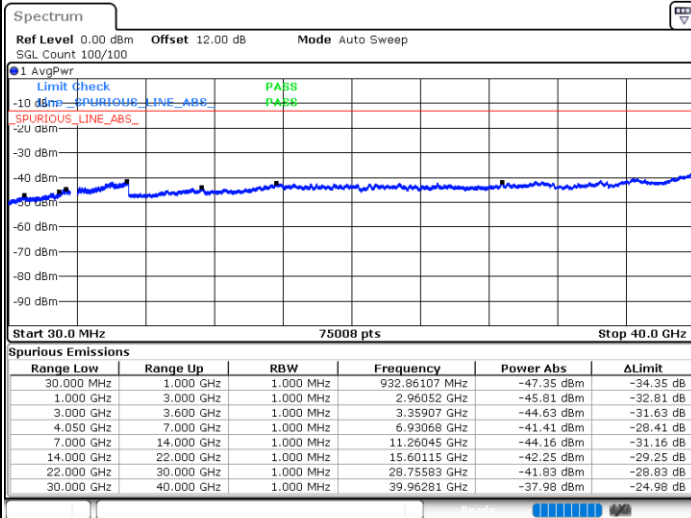
Date: 28.JAN.2021 15:59:50



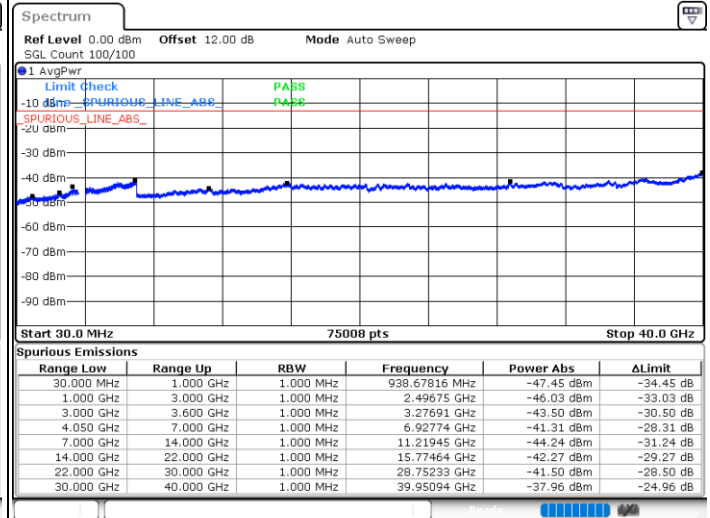
FR1 n77+5A / 50MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB

Middle Channel / 1RB

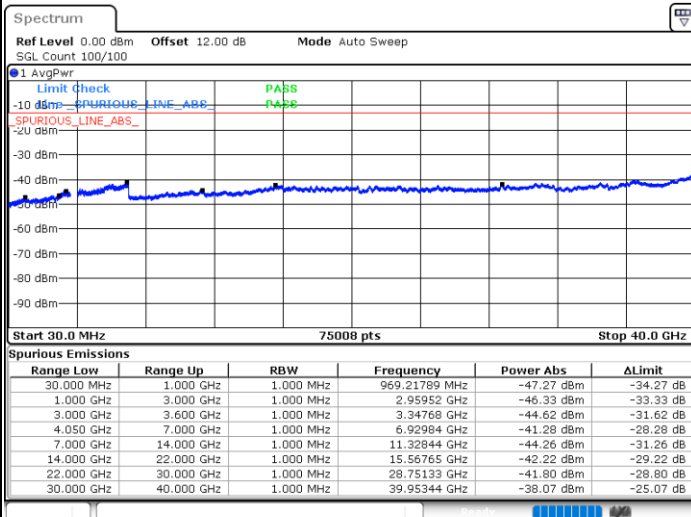


Date: 28.JAN.2021 15:45:02



Date: 28.JAN.2021 15:52:47

Highest Channel / 1RB

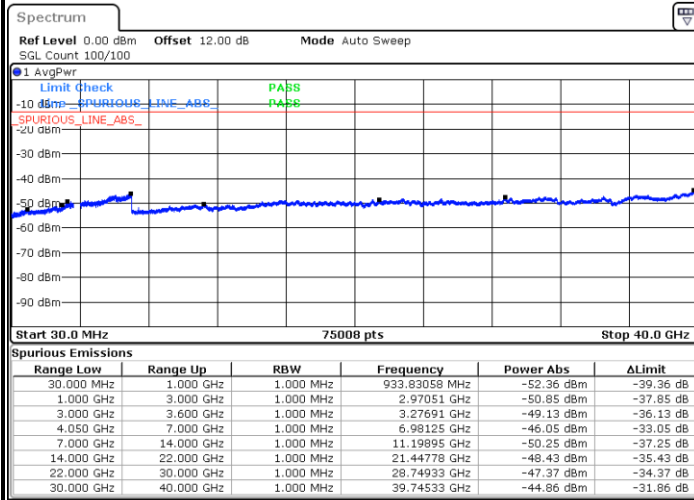


Date: 28.JAN.2021 15:56:47



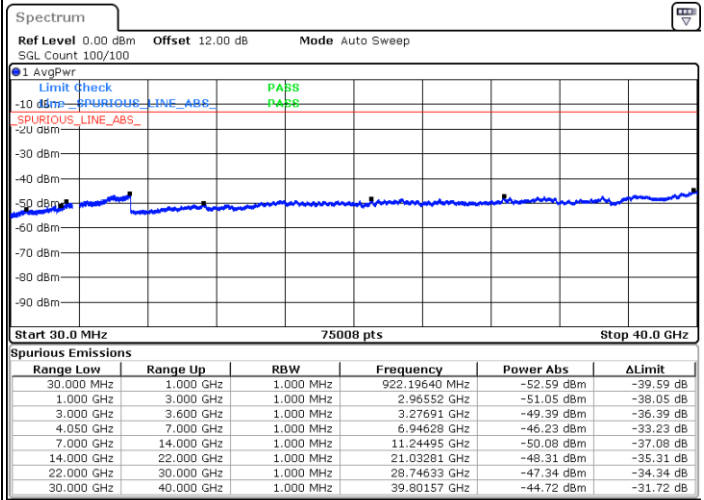
FR1 n77+5A / 100MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB



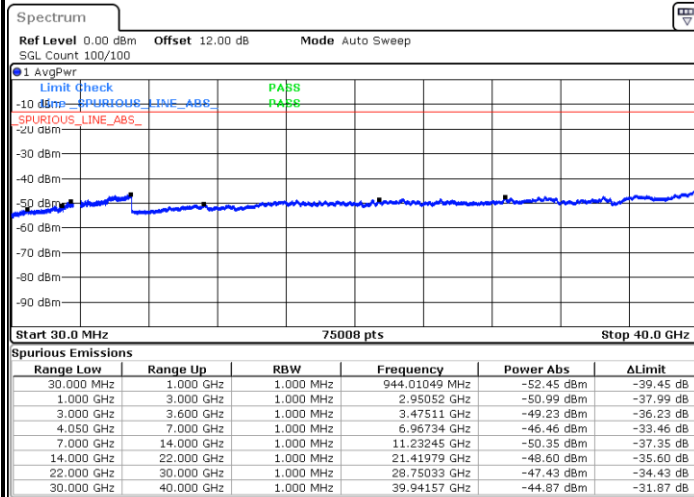
Date: 28.JAN.2021 15:32:02

Middle Channel / 1RB



Date: 28.JAN.2021 15:33:52

Highest Channel / 1RB

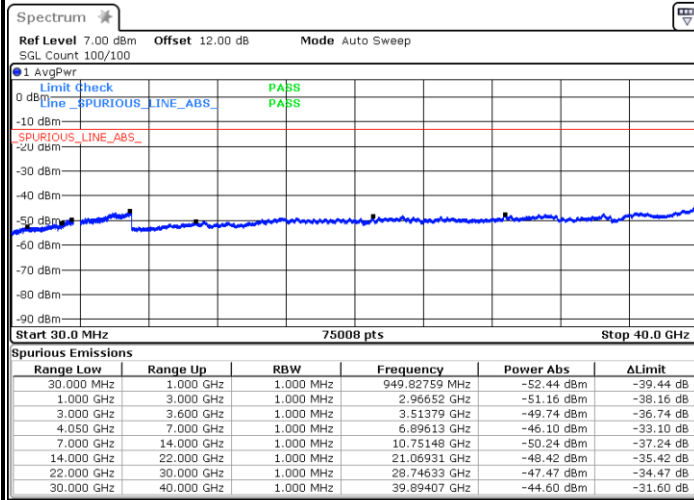


Date: 28.JAN.2021 15:41:47



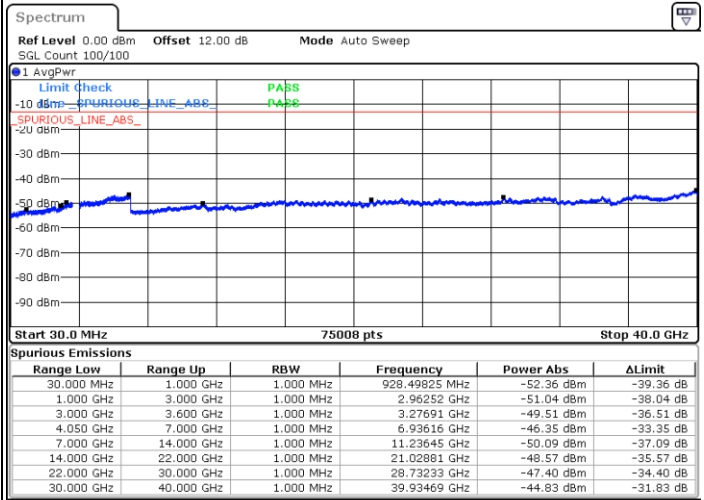
FR1 n77+5A / 100MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB



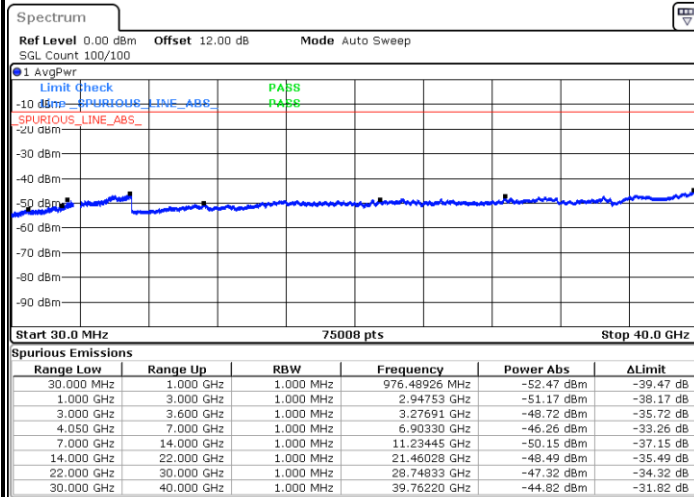
Date: 28.JAN.2021 15:28:08

Middle Channel / 1RB



Date: 28.JAN.2021 15:36:18

Highest Channel / 1RB



Date: 28.JAN.2021 15:39:39

Frequency Stability

Test Conditions		NR n77+5A (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Within Band
		Deviation (ppm)	Result
50	Normal Voltage	0.0012	PASS
40	Normal Voltage	0.0018	
30	Normal Voltage	0.0015	
20(Ref.)	Normal Voltage	0.0021	
10	Normal Voltage	0.0019	
0	Normal Voltage	0.0014	
-10	Normal Voltage	0.0023	
-20	Normal Voltage	0.0017	
-30	Normal Voltage	0.0014	
20	Maximum Voltage	0.0023	
20	Normal Voltage	0.0018	
20	Battery End Point	0.0019	

Note:

1. Normal Voltage =7.74 V. ; Battery End Point (BEP) =7.2 V. ; Maximum Voltage =8.9 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Bottom Antenna:

5G NR n7 / NR 20MHz / QPSK DFT-s-OFDM									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	5001.40	-56.09	-25	-31.09	-78.84	-61.65	7.12	12.68	H
	7502.10	-53.39	-25	-28.39	-79.79	-56.72	8.26	11.59	H
	10002.80	-50.98	-25	-25.98	-81.00	-52.51	10.45	11.98	H
	5001.40	-54.65	-25	-29.65	-79.08	-60.21	7.12	12.68	V
	7502.10	-53.35	-25	-28.35	-79.74	-56.68	8.26	11.59	V
	10002.80	-50.43	-25	-25.43	-81.09	-51.96	10.45	11.98	V
Middle	5051.50	-55.50	-25	-30.50	-78.60	-61.06	7.14	12.70	H
	7577.25	-53.59	-25	-28.59	-79.67	-56.89	8.30	11.60	H
	10103.00	-50.57	-25	-25.57	-80.74	-52.09	10.48	12.00	H
	5051.50	-54.29	-25	-29.29	-78.72	-59.85	7.14	12.70	V
	7577.25	-53.41	-25	-28.41	-79.49	-56.71	8.30	11.60	V
	10103.00	-49.38	-25	-24.38	-80.48	-50.90	10.48	12.00	V
Highest	5101.50	-54.83	-25	-29.83	-78.28	-60.39	7.16	12.72	H
	7652.25	-53.93	-25	-28.93	-79.80	-57.23	8.33	11.63	H
	10203.00	-50.38	-25	-25.38	-80.74	-51.98	10.50	12.10	H
	5101.50	-53.98	-25	-28.98	-78.41	-59.54	7.16	12.72	V
	7652.25	-52.63	-25	-27.63	-79.53	-55.93	8.33	11.63	V
	10203.00	-48.98	-25	-23.98	-80.61	-50.58	10.50	12.10	V

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



5G NR n41 HPUE / NR 100MHz / QPSK DFT-s-OFDM									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	4994.80	-56.30	-25	-31.30	-79.05	-61.86	7.12	12.68	H
	7492.20	-53.23	-25	-28.23	-79.63	-56.56	8.26	11.59	H
	9989.60	-50.80	-25	-25.80	-80.79	-52.33	10.45	11.98	H
	4994.80	-53.57	-25	-28.57	-78	-59.13	7.12	12.68	V
	7492.20	-53.39	-25	-28.39	-79.78	-56.72	8.26	11.59	V
	9989.60	-50.42	-25	-25.42	-80.99	-51.95	10.45	11.98	V
Middle	5089.00	-55.70	-25	-30.70	-79.15	-61.26	7.14	12.70	H
	7633.50	-53.88	-25	-28.88	-79.80	-57.18	8.30	11.60	H
	10178.00	-50.27	-25	-25.27	-80.59	-51.79	10.48	12.00	H
	5089.00	-54.44	-25	-29.44	-78.87	-60.00	7.14	12.70	V
	7633.50	-52.91	-25	-27.91	-79.51	-56.21	8.30	11.60	V
	10178.00	-48.95	-25	-23.95	-80.49	-50.47	10.48	12.00	V
Highest	5182.80	-55.07	-25	-30.07	-79.11	-60.63	7.16	12.72	H
	7774.20	-53.82	-25	-28.82	-79.34	-57.12	8.33	11.63	H
	10365.60	-50.19	-25	-25.19	-80.84	-51.79	10.50	12.10	H
	5182.80	-52.88	-25	-27.88	-77.31	-58.44	7.16	12.72	V
	7774.20	-50.44	-25	-25.44	-79.39	-53.74	8.33	11.63	V
	10365.60	-48.03	-25	-23.03	-80.54	-49.63	10.50	12.10	V

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



5G NR n41 UL MIMO / NR 100MHz / QPSK CP OFDM									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	4995.60	-60.53	-25	-35.53	-77.91	-66.09	7.12	12.68	H
	7493.40	-55.61	-25	-30.61	-77.96	-58.94	8.26	11.59	H
	9991.20	-53.11	-25	-28.11	-80.23	-54.64	10.45	11.98	H
	4995.60	-60.68	-25	-35.68	-77.98	-66.24	7.12	12.68	V
	7493.40	-55.52	-25	-30.52	-77.79	-58.85	8.26	11.59	V
	9991.20	-53.95	-25	-28.95	-80.47	-55.48	10.45	11.98	V
Middle	5139.54	-60.60	-25	-35.60	-78.10	-66.16	7.14	12.70	H
	7709.31	-54.70	-25	-29.70	-77.21	-58.00	8.30	11.60	H
	10279.08	-52.51	-25	-27.51	-79.53	-54.03	10.48	12.00	H
	5139.54	-60.37	-25	-35.37	-77.81	-65.93	7.14	12.70	V
	7709.31	-54.98	-25	-29.98	-77.4	-58.28	8.30	11.60	V
	10279.08	-52.79	-25	-27.79	-79.52	-54.31	10.48	12.00	V
Highest	5283.54	-61.34	-25	-36.34	-78.30	-66.90	7.16	12.72	H
	7925.31	-54.93	-25	-29.93	-78.44	-58.23	8.33	11.63	H
	10567.08	-52.34	-25	-27.34	-79.56	-53.94	10.50	12.10	H
	5283.54	-61.67	-25	-36.67	-78.68	-67.23	7.16	12.72	V
	7925.31	-54.67	-25	-29.67	-78.23	-57.97	8.33	11.63	V
	10567.08	-52.80	-25	-27.80	-79.94	-54.40	10.50	12.10	V

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



5G NR n71 / NR 20MHz / QPSK DFT-s-OFDM									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1327.46	-63.92	-13	-50.92	-70.72	-69.30	3.98	9.36	H
	1991.19	-47.48	-13	-34.48	-55.29	-53.18	4.85	10.55	H
	2654.92	-63.75	-13	-50.75	-74.55	-70.83	5.50	12.58	H
	1327.46	-64.50	-13	-51.50	-71.22	-69.88	3.98	9.36	V
	1991.19	-44.44	-13	-31.44	-52.66	-50.14	4.85	10.55	V
	2654.92	-63.71	-13	-50.71	-74.84	-70.79	5.50	12.58	V
Middle	1342.46	-64.01	-13	-51.01	-71.03	-69.41	4.00	9.40	H
	2013.69	-47.93	-13	-34.93	-56.02	-53.65	4.88	10.60	H
	2684.92	-63.74	-13	-50.74	-74.79	-70.82	5.52	12.60	H
	1342.46	-62.85	-13	-49.85	-69.81	-68.25	4.00	9.40	V
	2013.69	-47.05	-13	-34.05	-55.57	-52.77	4.88	10.60	V
	2684.92	-63.56	-13	-50.56	-74.92	-70.64	5.52	12.60	V
Highest	1357.46	-64.23	-13	-51.23	-71.56	-69.55	4.10	9.42	H
	2036.19	-49.80	-13	-36.80	-58.29	-55.53	4.90	10.63	H
	2714.92	-63.76	-13	-50.76	-75.06	-70.83	5.55	12.62	H
	1357.46	-63.32	-13	-50.32	-70.63	-68.64	4.10	9.42	V
	2036.19	-50.60	-13	-37.60	-59.5	-56.33	4.90	10.63	V
	2714.92	-63.23	-13	-50.23	-74.81	-70.30	5.55	12.62	V

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



EN-DC_5A_n7A / LTE 10MHz + NR 20MHz / QPSK DFT-s-OFDM									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n7 Lowest	5001.40	-59.63	-25	-34.63	-77.00	-65.19	7.12	12.68	H
	7502.10	-55.45	-25	-30.45	-77.78	-58.78	8.26	11.59	H
	10002.80	-52.40	-25	-27.40	-79.53	-53.93	10.45	11.98	H
	5001.40	-59.92	-25	-34.92	-77.21	-65.48	7.12	12.68	V
	7502.10	-55.21	-25	-30.21	-77.45	-58.54	8.26	11.59	V
	10002.80	-53.46	-25	-28.46	-79.98	-54.99	10.45	11.98	V
LTE Band5 Lowest	1664.18	-66.77	-25	-41.77	-73.02	-70.02	4.00	9.40	H
	2496.27	-64.78	-25	-39.78	-75.07	-68.35	4.88	10.60	H
	3328.36	-63.37	-25	-38.37	-75.54	-68.30	5.52	12.60	H
	1664.18	-66.87	-25	-41.87	-72.89	-70.12	4.00	9.40	V
	2496.27	-62.99	-25	-37.99	-73.62	-66.56	4.88	10.60	V
	3328.36	-63.10	-25	-38.10	-75.68	-68.03	5.52	12.60	V
NR n7 Middle	5051.50	-59.87	-25	-34.87	-77.29	-65.43	7.14	12.70	H
	7577.25	-55.57	-25	-30.57	-77.76	-58.87	8.30	11.60	H
	10103.00	-52.28	-25	-27.28	-79.37	-53.80	10.48	12.00	H
	5051.50	-59.87	-25	-34.87	-77.22	-65.43	7.14	12.70	V
	7577.25	-55.72	-25	-30.72	-77.72	-59.02	8.30	11.60	V
	10103.00	-52.95	-25	-27.95	-79.55	-54.47	10.48	12.00	V
LTE Band5 Middle	1664.18	-67.15	-25	-42.15	-73.40	-70.40	4.00	9.40	H
	2496.27	-64.27	-25	-39.27	-74.56	-67.84	4.88	10.60	H
	3328.36	-63.42	-25	-38.42	-75.59	-68.35	5.52	12.60	H
	1664.18	-67.10	-25	-42.10	-73.12	-70.35	4.00	9.40	V
	2496.27	-63.88	-25	-38.88	-74.51	-67.45	4.88	10.60	V
	3328.36	-63.02	-25	-38.02	-75.60	-67.95	5.52	12.60	V
NR n7 Highest	5101.50	-59.93	-25	-34.93	-77.40	-65.49	7.16	12.72	H
	7652.25	-55.31	-25	-30.31	-77.64	-58.61	8.33	11.63	H
	10203.00	-52.04	-25	-27.04	-79.10	-53.64	10.50	12.10	H
	5101.50	-59.96	-25	-34.96	-77.36	-65.52	7.16	12.72	V
	7652.25	-55.59	-25	-30.59	-77.75	-58.89	8.33	11.63	V
	10203.00	-52.31	-25	-27.31	-78.99	-53.91	10.50	12.10	V
LTE Band5 Highest	1664.18	-66.96	-25	-41.96	-73.21	-70.21	4.00	9.40	H
	2496.27	-64.12	-25	-39.12	-74.41	-67.69	4.88	10.60	H
	3328.36	-63.65	-25	-38.65	-75.82	-68.58	5.52	12.60	H
	1664.18	-66.93	-25	-41.93	-72.95	-70.18	4.00	9.40	V
	2496.27	-63.61	-25	-38.61	-74.24	-67.18	4.88	10.60	V
	3328.36	-63.36	-25	-38.36	-75.94	-68.29	5.52	12.60	V

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



EN-DC 2A_n41A / LTE 20MHz + NR 100MHz / QPSK DFT-s-OFDM									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n41 Lowest	4994.80	-59.49	-25	-34.49	-76.87	-65.05	7.12	12.68	H
	7484.36	-55.17	-25	-30.17	-77.58	-58.50	8.26	11.59	H
	9989.60	-52.24	-25	-27.24	-79.35	-53.77	10.45	11.98	H
	4994.80	-59.53	-25	-34.53	-76.83	-65.09	7.12	12.68	V
	7484.36	-55.29	-25	-30.29	-77.63	-58.62	8.26	11.59	V
	9989.60	-52.92	-25	-27.92	-79.44	-54.45	10.45	11.98	V
LTE Band2 Lowest	3742.18	-61.01	-25	-36.01	-75.64	-67.76	5.85	12.60	H
	5613.27	-60.35	-25	-35.35	-78.07	-66.15	7.30	13.10	H
	7492.2	-55.36	-25	-30.36	-77.72	-58.51	8.35	11.50	H
	3742.18	-60.70	-25	-35.70	-75.54	-67.45	5.85	12.60	V
	5613.27	-59.95	-25	-34.95	-77.58	-65.75	7.30	13.10	V
	7492.2	-55.29	-25	-30.29	-77.57	-58.44	8.35	11.50	V
NR n41 Middle	5089.00	-59.54	-25	-34.54	-76.99	-65.10	7.14	12.70	H
	7484.36	-55.17	-25	-30.17	-77.58	-58.47	8.30	11.60	H
	10178.00	-51.33	-25	-26.33	-78.39	-52.85	10.48	12.00	H
	5089.00	-59.60	-25	-34.60	-76.98	-65.16	7.14	12.70	V
	7484.36	-55.01	-25	-30.01	-77.35	-58.31	8.30	11.60	V
	10178.00	-52.42	-25	-27.42	-79.07	-53.94	10.48	12.00	V
LTE Band2 Middle	3742.18	-60.79	-25	-35.79	-75.42	-67.54	5.85	12.60	H
	5613.27	-59.91	-25	-34.91	-77.63	-65.71	7.30	13.10	H
	7633.50	-55.33	-25	-30.33	-77.59	-58.48	8.35	11.50	H
	3742.18	-60.74	-25	-35.74	-75.58	-67.49	5.85	12.60	V
	5613.27	-60.15	-25	-35.15	-77.78	-65.95	7.30	13.10	V
	7633.50	-55.59	-25	-30.59	-77.66	-58.74	8.35	11.50	V
NR n41 Highest	5182.80	-60.04	-25	-35.04	-77.58	-65.60	7.16	12.72	H
	7484.36	-55.22	-25	-30.22	-77.63	-58.52	8.33	11.63	H
	10365.60	-52.08	-25	-27.08	-79.08	-53.68	10.50	12.10	H
	5182.80	-60.19	-25	-35.19	-77.68	-65.75	7.16	12.72	V
	7484.36	-55.20	-25	-30.20	-77.54	-58.50	8.33	11.63	V
	10365.60	-52.78	-25	-27.78	-79.58	-54.38	10.50	12.10	V
LTE Band2 Highest	3742.18	-61.05	-25	-36.05	-75.68	-67.80	5.85	12.60	H
	5613.27	-60.11	-25	-35.11	-77.83	-65.91	7.30	13.10	H
	7774.2	-54.49	-25	-29.49	-77.24	-57.64	8.35	11.50	H
	3742.18	-60.83	-25	-35.83	-75.67	-67.58	5.85	12.60	V
	5613.27	-60.24	-25	-35.24	-77.87	-66.04	7.30	13.10	V
	7774.2	-54.78	-25	-29.78	-77.52	-57.93	8.35	11.50	V

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



EN-DC_2A_n71A / LTE 20MHz + NR 20MHz / QPSK DFT-s-OFDM									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n71 Lowest	1328.36	-64.70	-13	-51.70	-71.51	-70.08	3.98	9.36	H
	1992.54	-65.98	-13	-52.98	-73.79	-71.68	4.85	10.55	H
	2656.72	-62.81	-13	-49.81	-73.63	-69.89	5.50	12.58	H
	1328.36	-64.95	-13	-51.95	-71.68	-70.33	3.98	9.36	V
	1992.54	-65.88	-13	-52.88	-74.11	-71.58	4.85	10.55	V
	2656.72	-63.69	-13	-50.69	-74.83	-70.77	5.50	12.58	V
LTE Band2 Lowest	3742.18	-61.14	-13	-48.14	-75.77	-67.89	5.85	12.60	H
	5613.27	-60.22	-13	-47.22	-77.94	-66.02	7.30	13.10	H
	7484.36	-55.14	-13	-42.14	-77.55	-58.29	8.35	11.50	H
	3742.18	-60.96	-13	-47.96	-75.8	-67.71	5.85	12.60	V
	5613.27	-60.50	-13	-47.50	-78.13	-66.30	7.30	13.10	V
	7484.36	-55.32	-13	-42.32	-77.66	-58.47	8.35	11.50	V
NR n71 Middle	1343.36	-64.65	-13	-51.65	-71.68	-70.05	4.00	9.40	H
	2015.04	-65.91	-13	-52.91	-74.03	-71.63	4.88	10.60	H
	2686.72	-63.66	-13	-50.66	-74.72	-70.74	5.52	12.60	H
	1343.36	-64.70	-13	-51.70	-71.68	-70.10	4.00	9.40	V
	2015.04	-64.56	-13	-51.56	-73.1	-70.28	4.88	10.60	V
	2686.72	-63.58	-13	-50.58	-74.95	-70.66	5.52	12.60	V
LTE Band2 Middle	3742.18	-61.08	-13	-48.08	-75.71	-67.83	5.85	12.60	H
	5613.27	-60.24	-13	-47.24	-77.96	-66.04	7.30	13.10	H
	7484.36	-55.30	-13	-42.30	-77.71	-58.45	8.35	11.50	H
	3742.18	-60.97	-13	-47.97	-75.81	-67.72	5.85	12.60	V
	5613.27	-60.39	-13	-47.39	-78.02	-66.19	7.30	13.10	V
	7484.36	-55.51	-13	-42.51	-77.85	-58.66	8.35	11.50	V
NR n71 Highest	1358.36	-64.50	-13	-51.50	-71.85	-69.82	4.10	9.42	H
	2037.54	-64.61	-13	-51.61	-73.12	-70.34	4.90	10.63	H
	2716.72	-62.95	-13	-49.95	-74.26	-70.02	5.55	12.62	H
	1358.36	-64.18	-13	-51.18	-71.51	-69.50	4.10	9.42	V
	2037.54	-65.29	-13	-52.29	-74.21	-71.02	4.90	10.63	V
	2716.72	-63.39	-13	-50.39	-74.99	-70.46	5.55	12.62	V
LTE Band2 Highest	3742.18	-60.72	-13	-47.72	-75.35	-67.47	5.85	12.60	H
	5613.27	-60.49	-13	-47.49	-78.21	-66.29	7.30	13.10	H
	7484.36	-55.78	-13	-42.78	-78.19	-58.93	8.35	11.50	H
	3742.18	-61.33	-13	-48.33	-76.17	-68.08	5.85	12.60	V
	5613.27	-60.45	-13	-47.45	-78.08	-66.25	7.30	13.10	V
	7484.36	-55.58	-13	-42.58	-77.92	-58.73	8.35	11.50	V

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



Top Antenna:

EN-DC_5A_n77A / LTE 10MHz + NR 100MHz / QPSK DFT-s-OFDM									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n77 Lowest	7403.16	-57.99	-13	-44.99	-55.44	-61.32	8.25	11.58	H
	11104.74	-53.36	-13	-40.36	-57.78	-54.91	10.45	12.00	H
	14806.32	-51.23	-13	-38.23	-57.81	-52.94	11.74	13.45	H
	7403.16	-58.06	-13	-45.06	-55.56	-61.39	8.25	11.58	V
	11104.74	-53.73	-13	-40.73	-57.86	-55.28	10.45	12.00	V
	14806.32	-50.94	-13	-37.94	-57.70	-52.65	11.74	13.45	V
LTE Band5 Lowest	1664.18	-71.08	-13	-58.08	-53.68	-74.33	4.00	9.40	H
	2496.27	-68.27	-13	-55.27	-54.40	-71.84	4.88	10.60	H
	3328.36	-66.85	-13	-53.85	-54.98	-71.78	5.52	12.60	H
	1664.18	-70.73	-13	-57.73	-53.1	-73.98	4.00	9.40	V
	2496.27	-67.90	-13	-54.90	-54.37	-71.47	4.88	10.60	V
	3328.36	-66.63	-13	-53.63	-55.17	-71.56	5.52	12.60	V
NR n77 Middle	7583.20	-58.63	-13	-45.63	-55.50	-61.93	8.30	11.60	H
	11374.80	-52.52	-13	-39.52	-58.19	-54.04	10.48	12.00	H
	15166.40	-52.96	-13	-39.96	-58.14	-54.66	11.80	13.50	H
	7583.20	-58.79	-13	-45.79	-55.45	-62.09	8.30	11.60	V
	11374.80	-52.76	-13	-39.76	-58.23	-54.28	10.48	12.00	V
	15166.40	-52.48	-13	-39.48	-57.97	-54.18	11.80	13.50	V
LTE Band5 Middle	1664.18	-71.18	-13	-58.18	-53.78	-74.43	4.00	9.40	H
	2496.27	-68.20	-13	-55.20	-54.33	-71.77	4.88	10.60	H
	3328.36	-66.91	-13	-53.91	-55.04	-71.84	5.52	12.60	H
	1664.18	-70.47	-13	-57.47	-52.84	-73.72	4.00	9.40	V
	2496.27	-67.89	-13	-54.89	-54.36	-71.46	4.88	10.60	V
	3328.36	-66.17	-13	-53.17	-54.71	-71.10	5.52	12.60	V
NR n77 Highest	7763.00	-58.23	-13	-45.23	-55.36	-61.55	8.30	11.62	H
	11644.50	-52.71	-13	-39.71	-58.34	-54.39	10.52	12.20	H
	15526.00	-54.31	-13	-41.31	-57.72	-56.01	11.85	13.55	H
	7743.00	-58.17	-13	-45.17	-55.22	-61.49	8.30	11.62	V
	11644.50	-52.83	-13	-39.83	-58.49	-54.51	10.52	12.20	V
	15526.00	-54.22	-13	-41.22	-57.83	-55.92	11.85	13.55	V
LTE Band5 Highest	1664.18	-71.42	-13	-58.42	-54.02	-74.67	4.00	9.40	H
	2496.27	-68.30	-13	-55.30	-54.43	-71.87	4.88	10.60	H
	3328.36	-66.83	-13	-53.83	-54.96	-71.76	5.52	12.60	H
	1664.18	-70.24	-13	-57.24	-52.61	-73.49	4.00	9.40	V
	2496.27	-68.21	-13	-55.21	-54.68	-71.78	4.88	10.60	V
	3328.36	-66.75	-13	-53.75	-55.29	-71.68	5.52	12.60	V

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