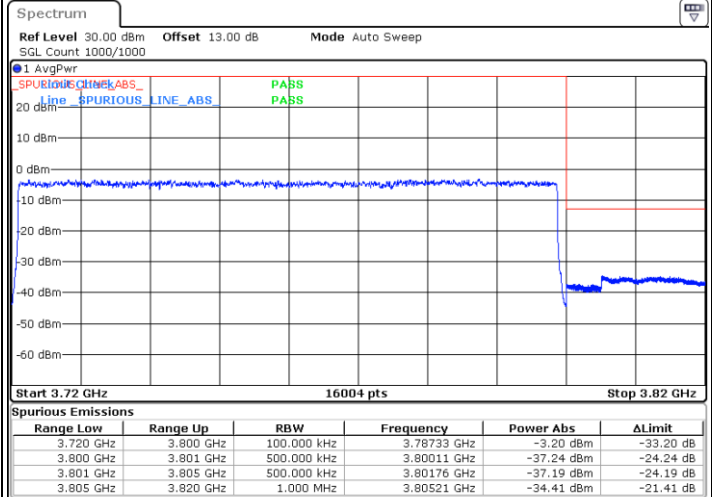
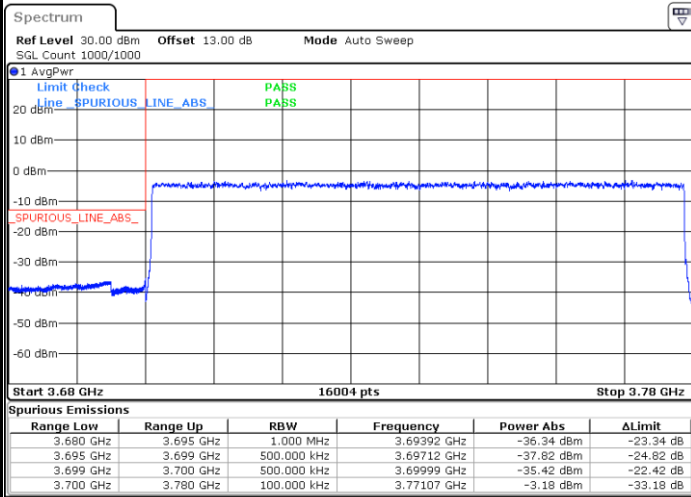




FR1 n78 / 80MHz / DFT-S OFDM / 16QAM / Full RB

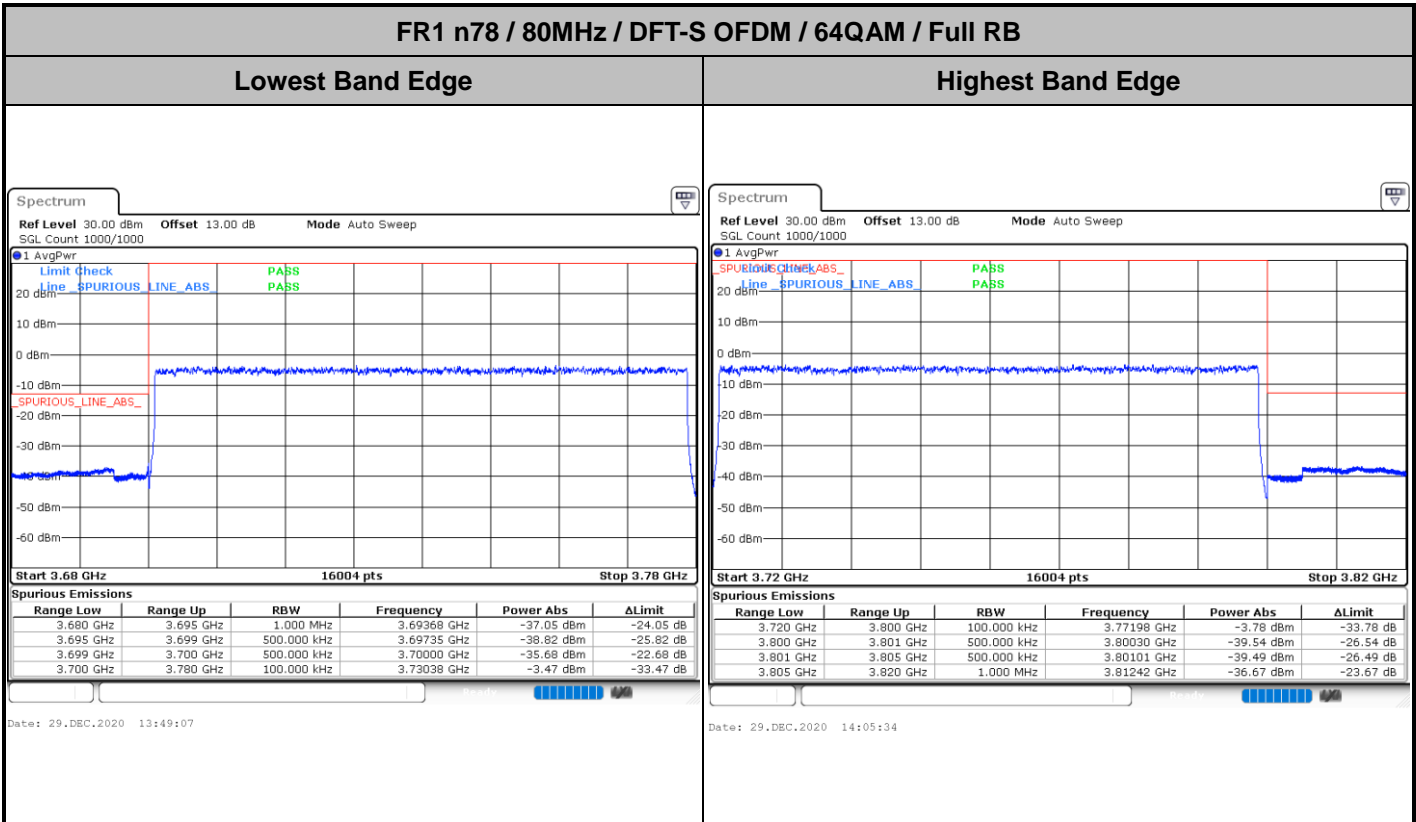
Lowest Band Edge

Highest Band Edge



Date: 29,DEC.2020 13:47:01

Date: 29,DEC.2020 14:03:50

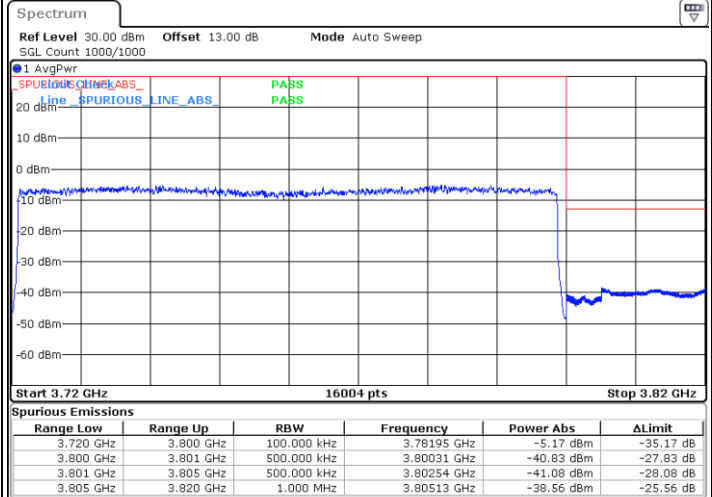
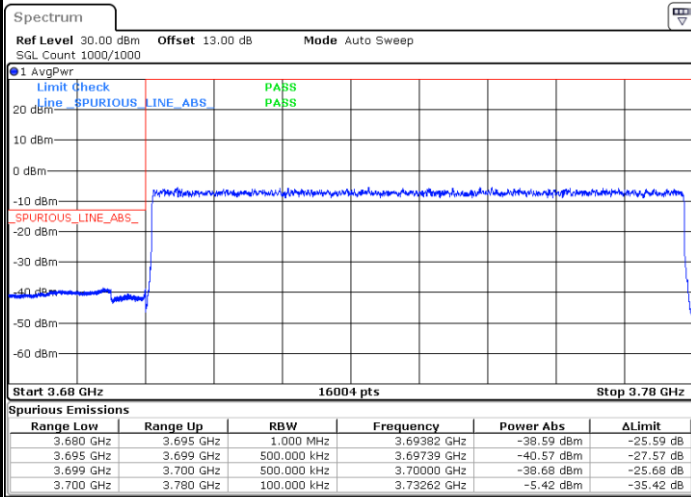




FR1 n78 / 80MHz / DFT-S OFDM / 256QAM / Full RB

Lowest Band Edge

Highest Band Edge



Date: 29,DEC.2020 13:53:00

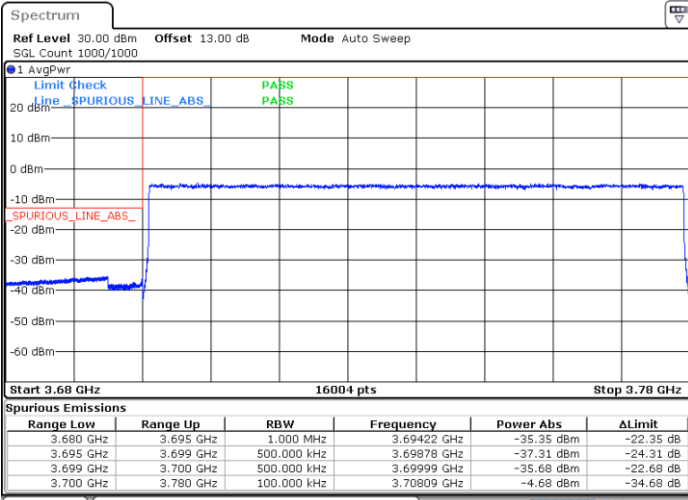
Date: 29,DEC.2020 14:09:11



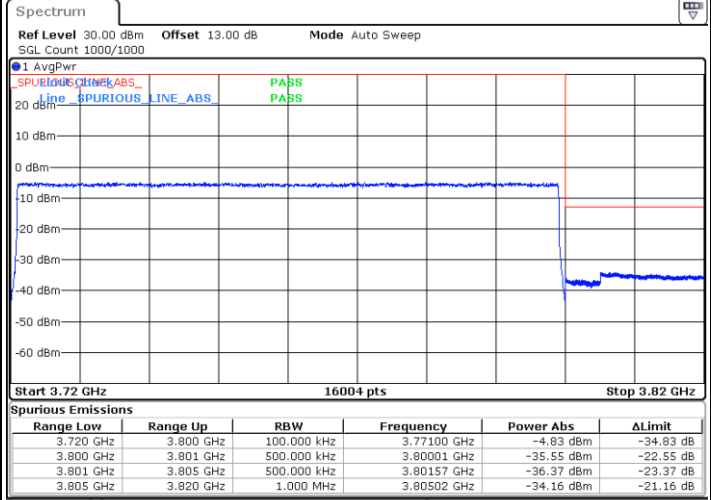
FR1 n78 / 80MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge

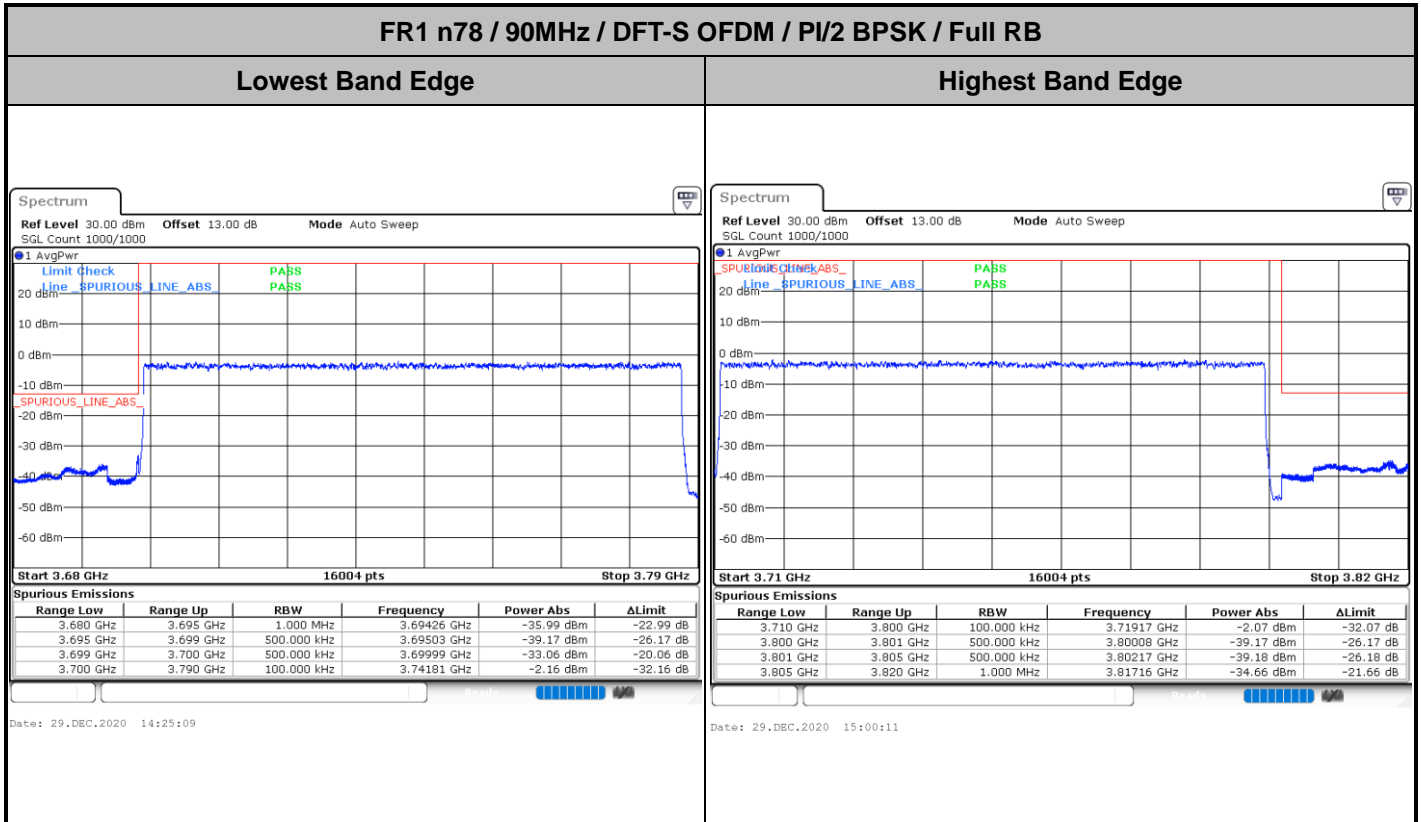
Highest Band Edge



Date: 29,DEC.2020 13:40:34



Date: 29,DEC.2020 14:19:04

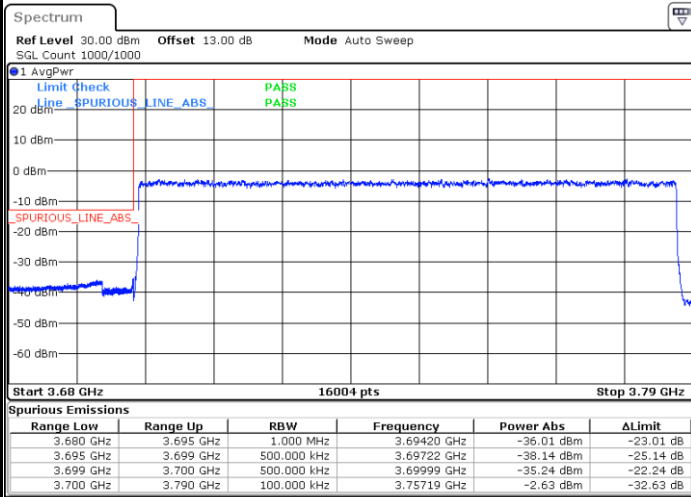




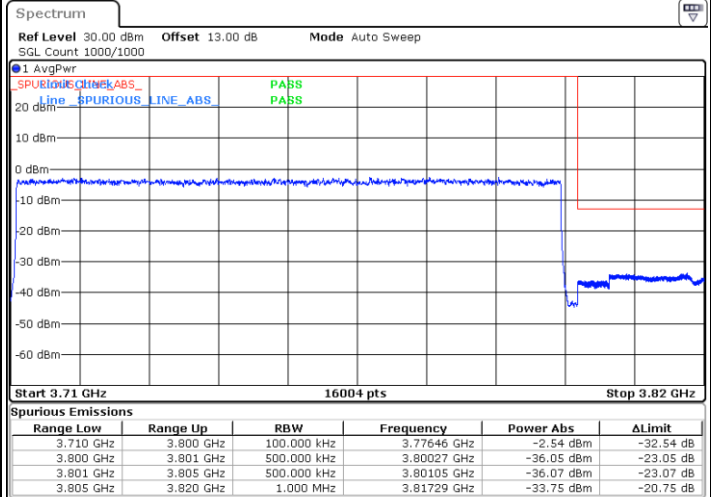
FR1 n78 / 90MHz / DFT-S OFDM / QPSK / Full RB

Lowest Band Edge

Highest Band Edge



Date: 29,DEC.2020 14:26:58



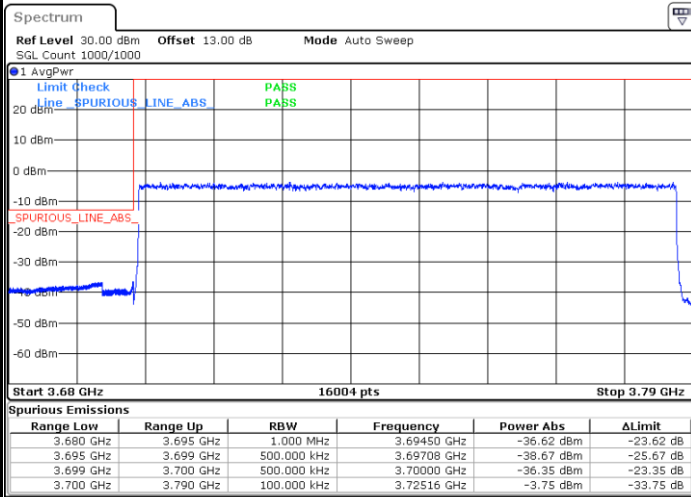
Date: 29,DEC.2020 15:04:44



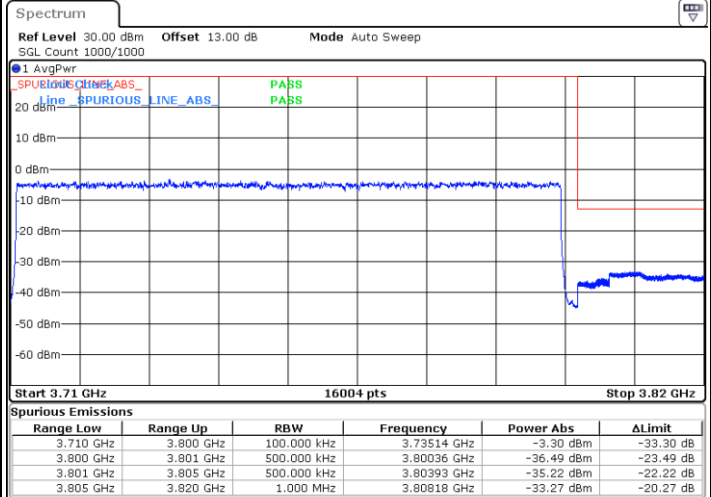
FR1 n78 / 90MHz / DFT-S OFDM / 16QAM / Full RB

Lowest Band Edge

Highest Band Edge



Date: 29,DEC.2020 14:37:01



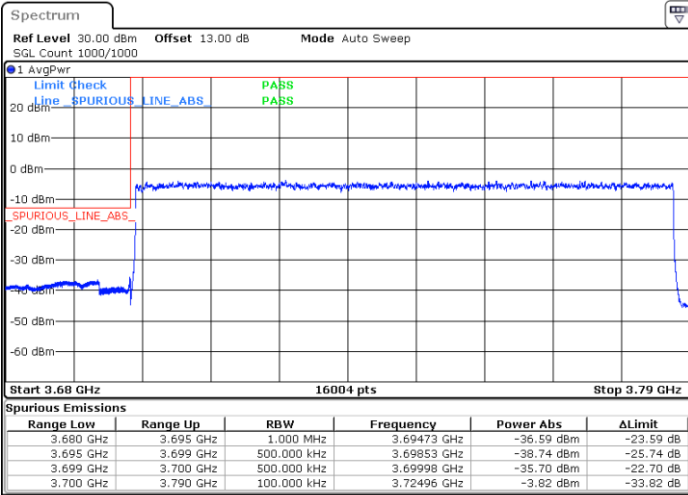
Date: 29,DEC.2020 15:07:33



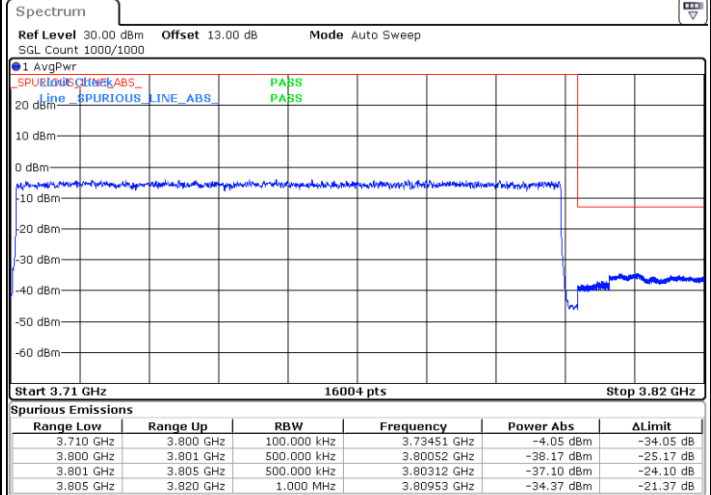
FR1 n78 / 90MHz / DFT-S OFDM / 64QAM / Full RB

Lowest Band Edge

Highest Band Edge



Date: 29,DEC.2020 14:39:57



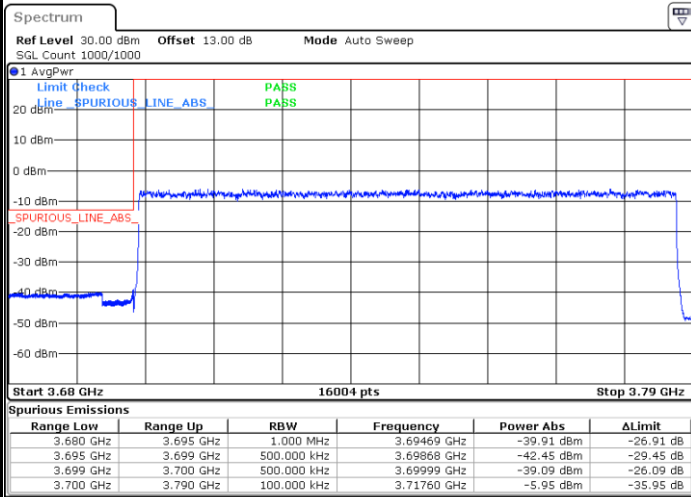
Date: 29,DEC.2020 15:09:33



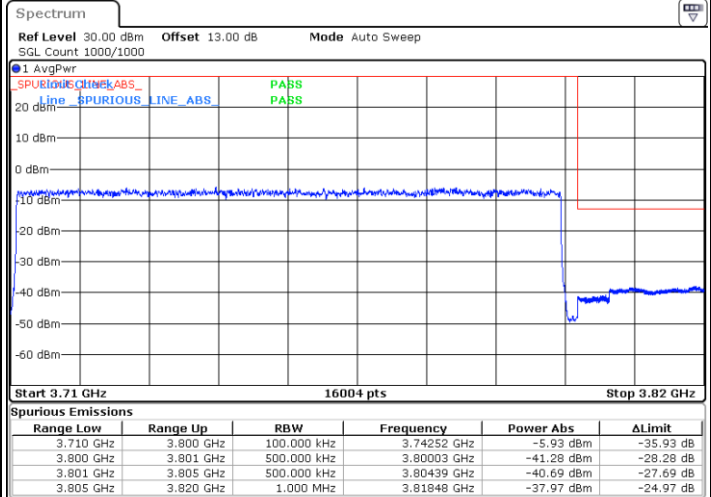
FR1 n78 / 90MHz / DFT-S OFDM / 256QAM / Full RB

Lowest Band Edge

Highest Band Edge



Date: 29,DEC.2020 14:47:45



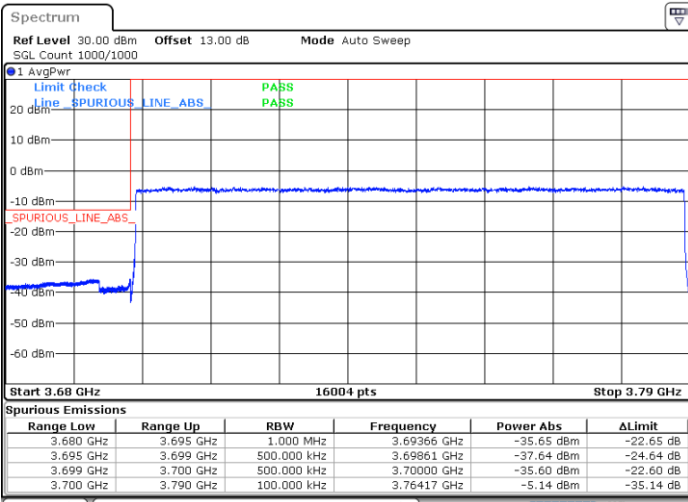
Date: 29,DEC.2020 15:11:47



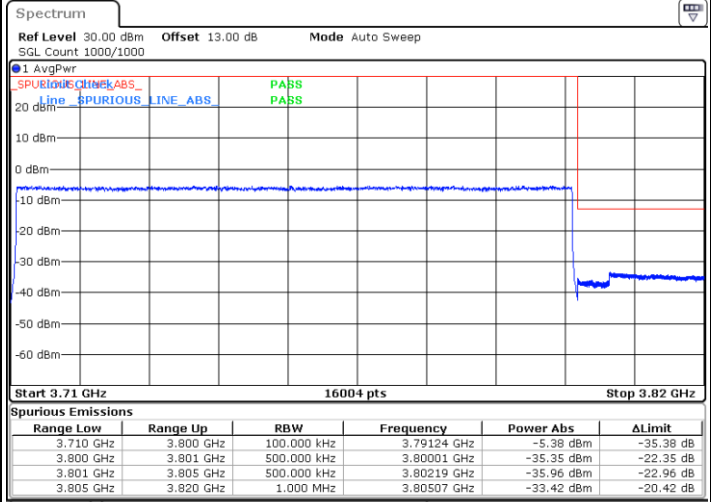
FR1 n78 / 90MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge

Highest Band Edge



Date: 29,DEC.2020 14:23:11



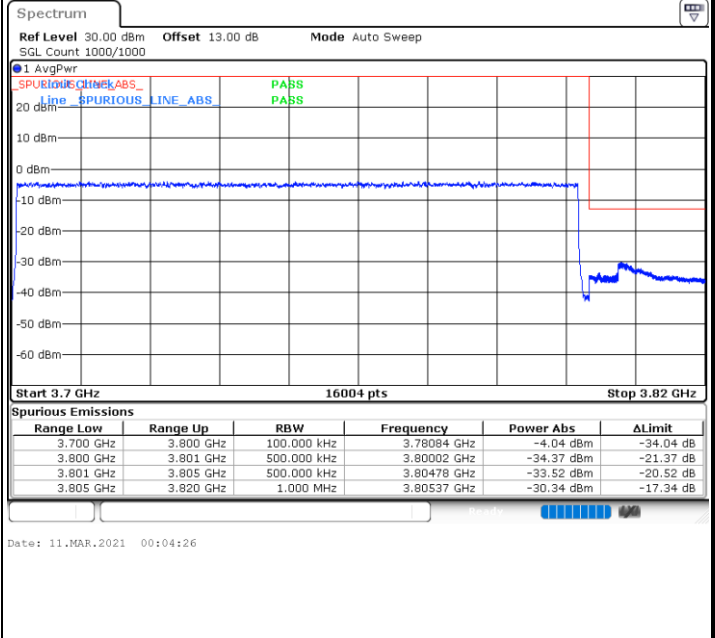
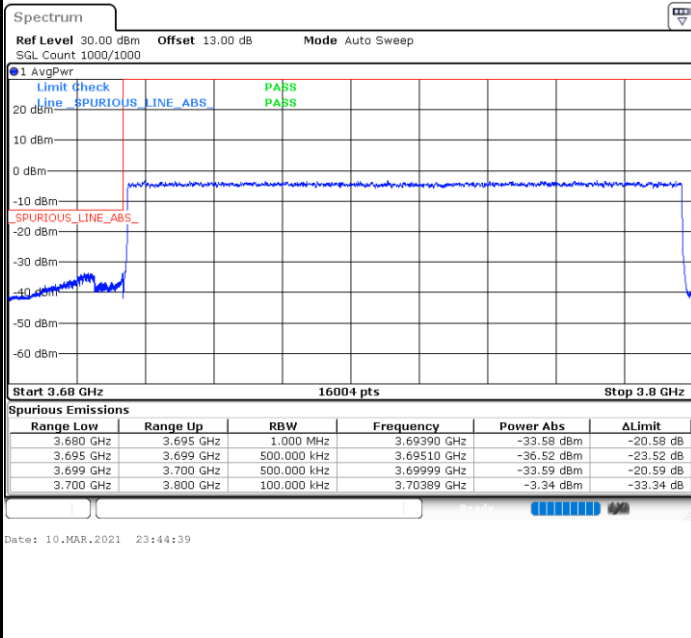
Date: 29,DEC.2020 15:17:44



FR1 n78 / 100MHz / DFT-S OFDM / PI/2 BPSK / Full RB

Lowest Band Edge

Highest Band Edge

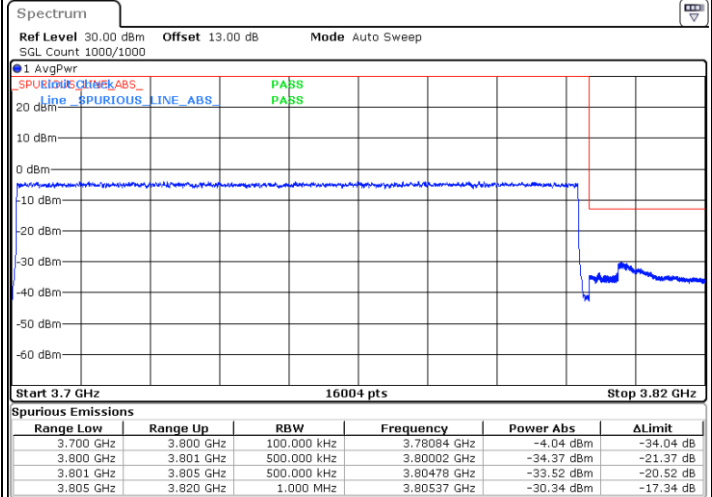
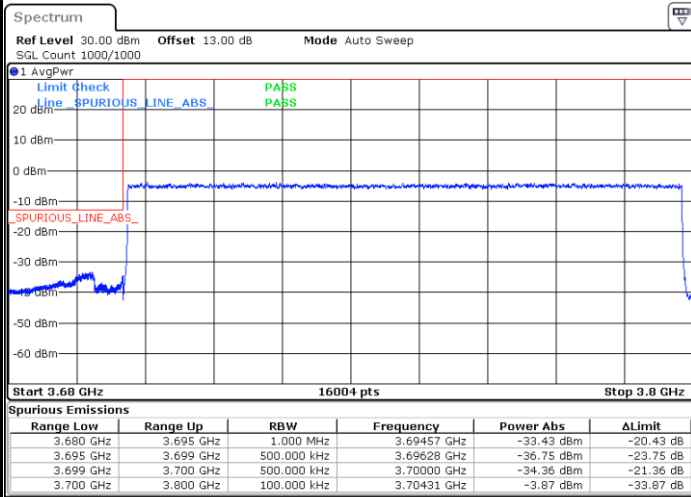




FR1 n78 / 100MHz / DFT-S OFDM / QPSK / Full RB

Lowest Band Edge

Highest Band Edge



Date: 10.MAR.2021 23:40:05

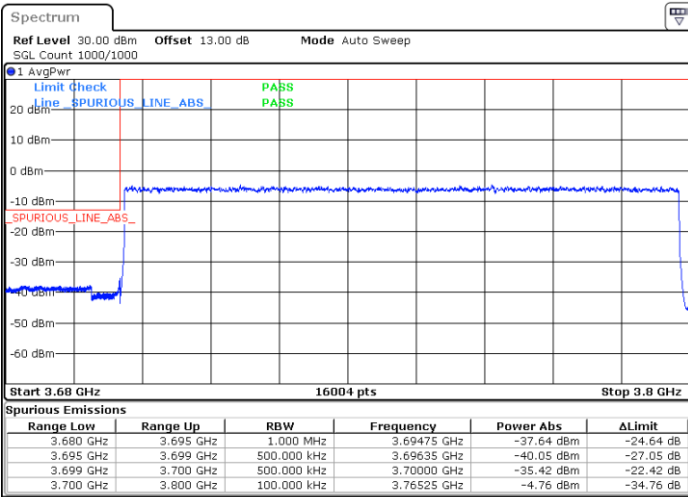
Date: 11.MAR.2021 00:04:26



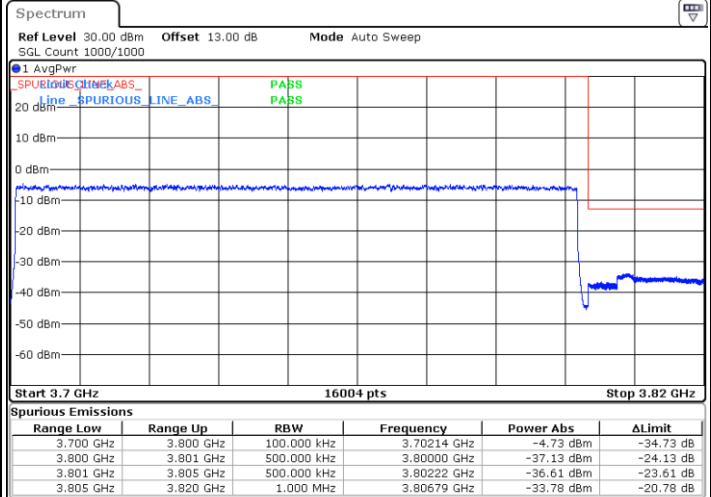
FR1 n78 / 100MHz / DFT-S OFDM / 16QAM / Full RB

Lowest Band Edge

Highest Band Edge



Date: 10.MAR.2021 23:33:11



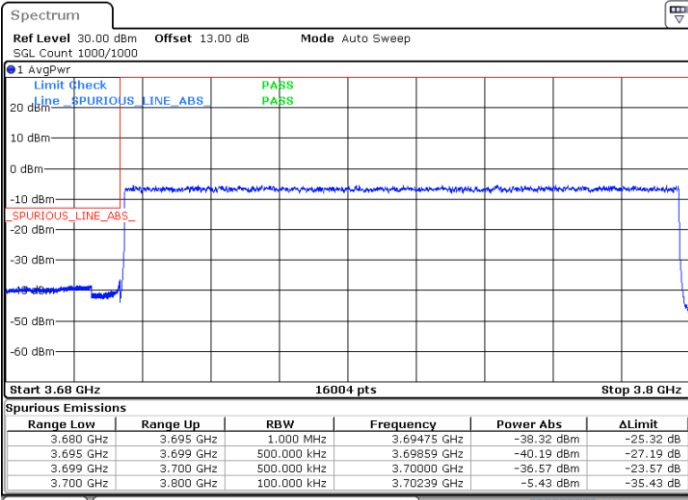
Date: 11.MAR.2021 00:11:24



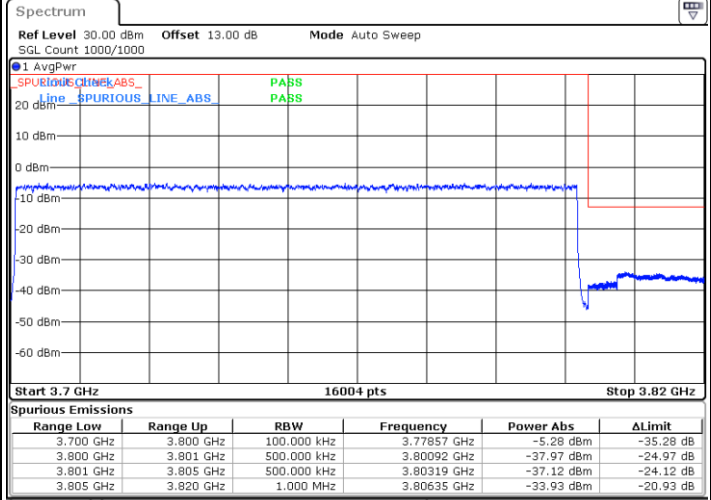
FR1 n78 / 100MHz / DFT-S OFDM / 64QAM / Full RB

Lowest Band Edge

Highest Band Edge



Date: 10.MAR.2021 23:28:46



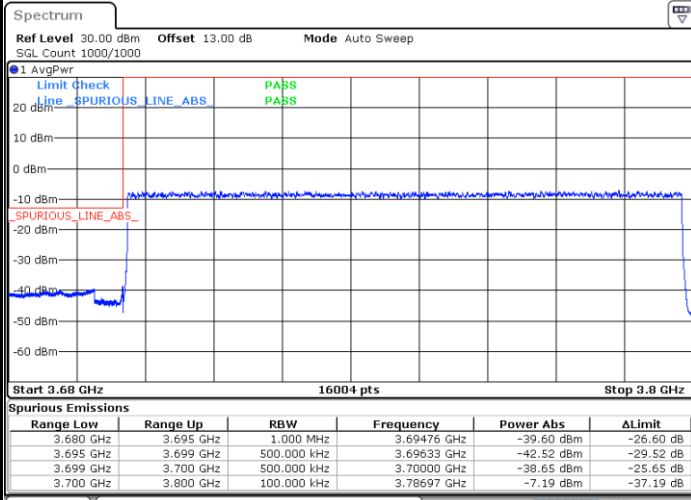
Date: 11.MAR.2021 00:16:47



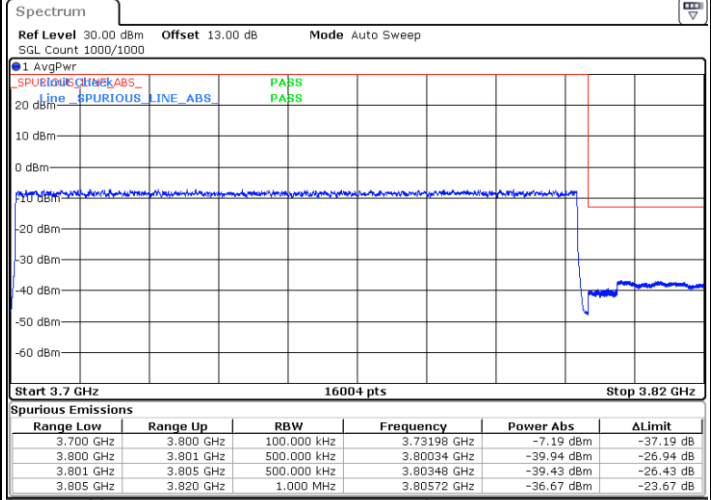
FR1 n78 / 100MHz / DFT-S OFDM / 256QAM / Full RB

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 10.MAR.2021 23:19:50



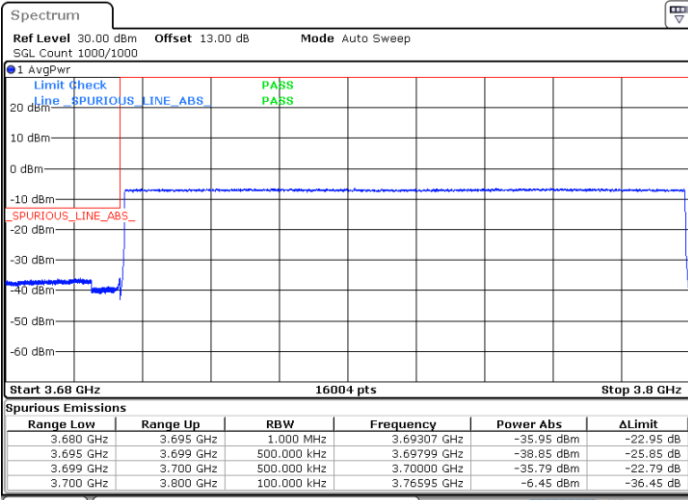
Date: 11.MAR.2021 00:22:51



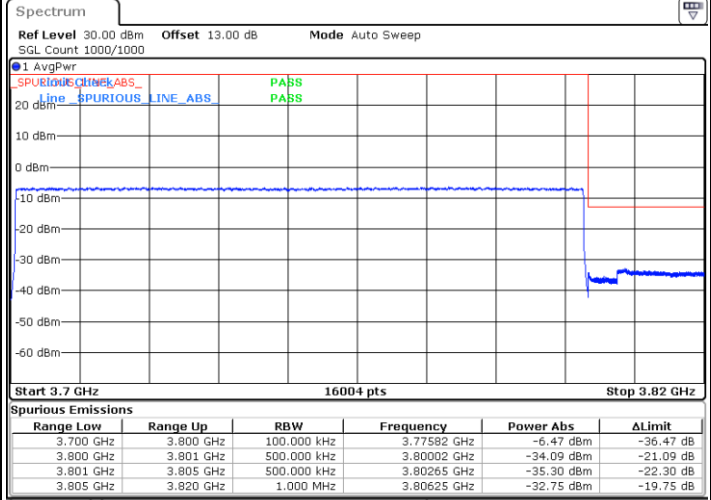
FR1 n78 / 100MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge

Highest Band Edge



Date: 10.MAR.2021 23:49:30



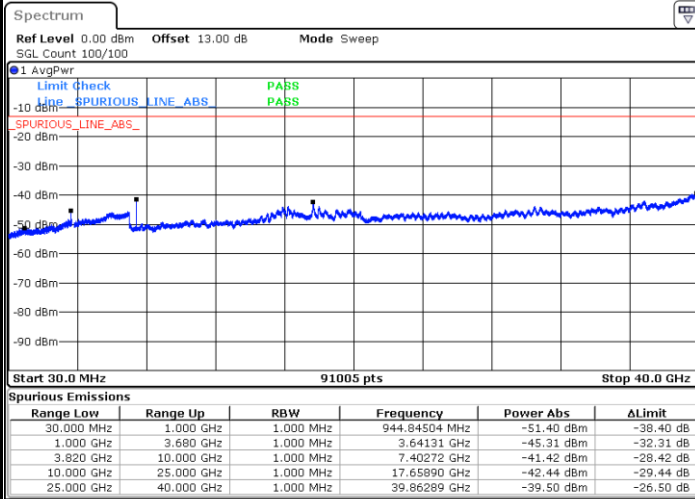
Date: 10.MAR.2021 23:55:38



Conducted Spurious Emission

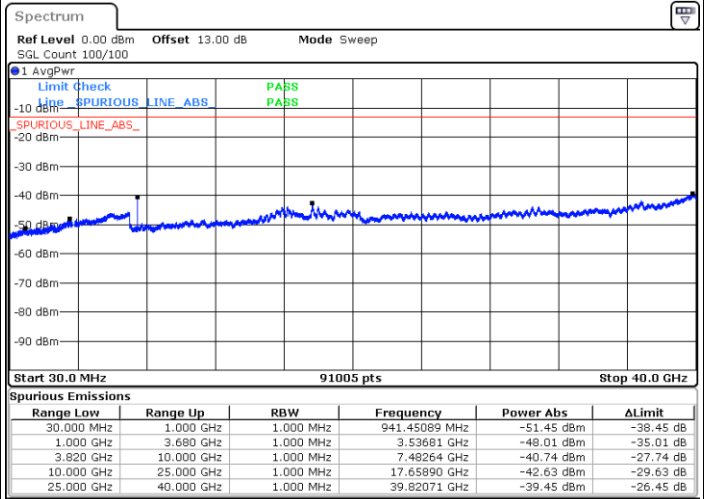
FR1 n78 / 20MHz / DFT-S OFDM / QPSK / 1RB1

Lowest Channel



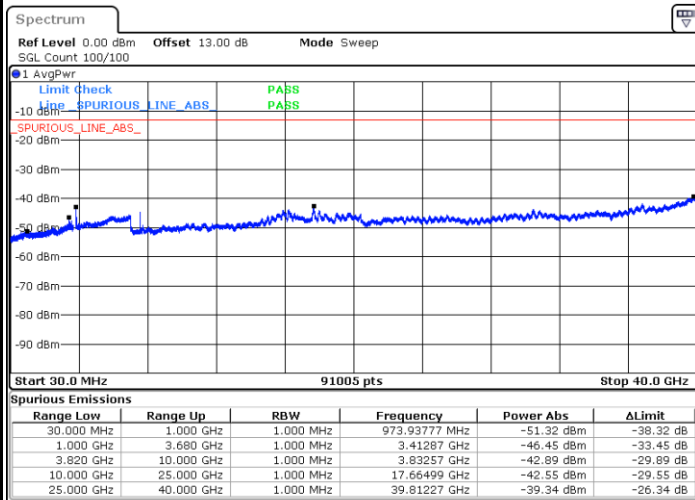
Date: 24.DEC.2020 10:20:21

Middle Channel



Date: 29.DEC.2020 09:30:09

Highest Channel



Date: 29.DEC.2020 10:35:32



Frequency Stability

Test Conditions		FR1 n78 (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0010	PASS
40	Normal Voltage	0.0010	
30	Normal Voltage	0.0029	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0026	
0	Normal Voltage	0.0027	
-10	Normal Voltage	0.0039	
-20	Normal Voltage	0.0027	
-30	Normal Voltage	0.0175	
20	Maximum Voltage	0.0038	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0024	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.60 V. ; Maximum Voltage =4.45 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

<Primary Antenna>

<Ant. 2>

EN-DC 26A-n41A

EN-DC 26A-n41A / 20MHz / PI/2 BPSK									
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	4997	-32.99	-25	-7.99	-64.6	-43.98	1.61	12.60	H
	7489	-36.99	-25	-11.99	-73.15	-46.12	1.98	11.12	H
	10000	-44.42	-25	-19.42	-73.93	-53.32	2.40	11.30	H
									H
									H
	4997	-31.73	-25	-6.73	-62.89	-42.72	1.61	12.60	V
	7489	-28.88	-25	-3.88	-64.99	-38.01	1.98	11.12	V
	10000	-43.87	-25	-18.87	-74.18	-52.77	2.40	11.30	V
									V
									V
Middle	5172	-39.39	-25	-14.39	-71.19	-50.58	1.65	12.84	H
	7755	-36.85	-25	-11.85	-72.56	-45.98	2.03	11.15	H
	10340	-43.96	-25	-18.96	-74.33	-52.59	2.39	11.03	H
									H
									H
									H
	5172	-33.08	-25	-8.08	-64.68	-44.27	1.65	12.84	V
	7755	-34.47	-25	-9.47	-69.93	-43.60	2.03	11.15	V
	10340	-43.58	-25	-18.58	-74.01	-52.21	2.39	11.03	V
									V
								V	
								V	



Highest	5340	-30.32	-25	-5.32	-62.58	-41.70	1.70	13.08	H
	8020	-46.48	-25	-21.48	-73.58	-55.66	2.06	11.24	H
	10680	-42.89	-25	-17.89	-73.71	-51.31	2.48	10.90	H
									H
									H
									H
									H
	5340	-33.62	-25	-8.62	-65.54	-45.00	1.70	13.08	V
	8020	-46.52	-25	-21.52	-73.52	-55.70	2.06	11.24	V
	10680	-42.99	-25	-17.99	-73.57	-51.41	2.48	10.90	V
									V
									V
									V
									V

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



EN-DC 66A-n41A

EN-DC 66A-n41A / 20MHz / PI/2 BPSK									
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	4992	-52.25	-25	-27.25	-74.25	-63.24	1.61	12.60	H
	7494	-47.48	-25	-22.48	-73.87	-56.60	1.99	11.11	H
	9999	-44.97	-25	-19.97	-74.52	-53.87	2.40	11.30	H
									H
									H
									H
									H
	4992	-52.96	-25	-27.96	-74.5	-63.95	1.61	12.60	V
	7494	-48.01	-25	-23.01	-74.36	-57.13	1.99	11.11	V
	9999	-44.25	-25	-19.25	-74.6	-53.15	2.40	11.30	V
									V
									V
									V
									V
Middle	5166	-52.99	-25	-27.99	-74.94	-64.17	1.65	12.83	H
	7752	-48.30	-25	-23.30	-74.21	-57.43	2.03	11.15	H
	10341	-44.06	-25	-19.06	-74.48	-52.69	2.39	11.03	H
									H
									H
									H
									H
	5166	-53.06	-25	-28.06	-74.8	-64.24	1.65	12.83	V
	7752	-48.55	-25	-23.55	-74.22	-57.68	2.03	11.15	V
	10341	-44.22	-25	-19.22	-74.69	-52.85	2.39	11.03	V
									V
									V
									V
									V



Highest	5340	-53.03	-25	-28.03	-75.45	-64.41	1.70	13.08	H
	8016	-46.47	-25	-21.47	-73.63	-55.64	2.06	11.23	H
	10683	-43.06	-25	-18.06	-73.92	-51.47	2.49	10.90	H
									H
									H
									H
									H
	5340	-53.21	-25	-28.21	-75.29	-64.59	1.70	13.08	V
	8016	-47.06	-25	-22.06	-74.11	-56.23	2.06	11.23	V
	10683	-42.91	-25	-17.91	-73.53	-51.32	2.49	10.90	V
									V
									V
									V
									V

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



<Ant. 5>

5G NR n41 HPUE

SA-n41A / 20MHz / PI/2 BPSK									
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	4992	-52.48	-25	-27.48	-74.48	-63.47	1.61	12.60	H
	7494	-47.66	-25	-22.66	-74.05	-56.78	1.99	11.11	H
	9990	-44.72	-25	-19.72	-74.3	-53.63	2.40	11.30	H
									H
									H
									H
	4992	-52.82	-25	-27.82	-74.36	-63.81	1.61	12.60	V
	7494	-47.51	-25	-22.51	-73.86	-56.63	1.99	11.11	V
	9990	-44.23	-25	-19.23	-74.58	-53.14	2.40	11.30	V
									V
									V
									V
Middle	5166	-52.73	-25	-27.73	-74.74	-63.91	1.65	12.83	H
	7752	-48.15	-25	-23.15	-74.06	-57.28	2.03	11.15	H
	10341	-43.86	-25	-18.86	-74.28	-52.49	2.39	11.03	H
									H
									H
									H
	5166	-52.91	-25	-27.91	-74.65	-64.09	1.65	12.83	V
	7752	-48.65	-25	-23.65	-74.32	-57.78	2.03	11.15	V
	10341	-44.00	-25	-19.00	-74.47	-52.63	2.39	11.03	V
									V
									V
									V



Highest	5340	-52.48	-25	-27.48	-74.9	-63.86	1.70	13.08	H
	8010	-46.50	-25	-21.50	-73.68	-55.66	2.06	11.22	H
	10683	-43.27	-25	-18.27	-74.13	-51.68	2.49	10.90	H
									H
									H
									H
									H
	5340	-52.78	-25	-27.78	-74.86	-64.16	1.70	13.08	V
	8010	-46.54	-25	-21.54	-73.6	-55.70	2.06	11.22	V
	10683	-43.40	-25	-18.40	-74.02	-51.81	2.49	10.90	V
									V
									V
									V
									V

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



<Ant. 7>

5G NR n78 HPUE

EN-DC 66A-n78A / 20MHz / PI/2 BPSK									
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	7405	-46.89	-13	-33.89	-73.95	-54.05	1.94	11.25	H
	11105	-42.47	-13	-29.47	-73.48	-48.74	2.61	11.03	H
	14808	-36.58	-13	-23.58	-71.98	-43.48	2.94	11.99	H
	18506	-55.52	-13	-42.52	-73.9	-69.37	1.90	17.90	H
	22207	-53.38	-13	-40.38	-75.84	-68.00	2.05	18.82	H
	25908	-50.98	-13	-37.98	-77.08	-65.95	1.96	19.08	H
									H
	7405	-46.79	-13	-33.79	-73.7	-53.95	1.94	11.25	V
	11105	-42.75	-13	-29.75	-73.6	-49.02	2.61	11.03	V
	14808	-38.55	-13	-25.55	-72	-45.45	2.94	11.99	V
	18506	-56.05	-13	-43.05	-73.57	-69.90	1.90	17.90	V
	22207	-52.75	-13	-39.75	-75.23	-67.37	2.05	18.82	V
	25908	-49.50	-13	-36.50	-76.71	-64.47	1.96	19.08	V
	Middle	7485	-47.08	-13	-34.08	-73.72	-54.07	1.98	11.12
11225		-42.40	-13	-29.40	-73.57	-48.86	2.56	11.17	H
14964		-35.91	-13	-22.91	-72.16	-43.26	2.98	12.48	H
18706		-55.06	-13	-42.06	-73.77	-68.98	1.83	17.90	H
22447		-52.41	-13	-39.41	-75.97	-67.00	1.98	18.72	H
26188		-50.49	-13	-37.49	-77.12	-65.24	2.09	18.99	H
									H
7485		-47.12	-13	-34.12	-73.71	-54.11	1.98	11.12	V
11225		-42.39	-13	-29.39	-73.4	-48.85	2.56	11.17	V
14964		-38.23	-13	-25.23	-72	-45.58	2.98	12.48	V
18706		-56.21	-13	-43.21	-74.12	-70.13	1.83	17.90	V
22447		-52.16	-13	-39.16	-75.77	-66.75	1.98	18.72	V
26188		-49.85	-13	-36.85	-77.7	-64.60	2.09	18.99	V



Highest	7565	-47.36	-13	-34.36	-73.56	-54.32	2.00	11.11	H
	11345	-41.79	-13	-28.79	-73.1	-48.45	2.51	11.31	H
	15126	-35.75	-13	-22.75	-72.18	-44.03	3.03	13.46	H
	18906	-55.59	-13	-42.59	-74.62	-69.58	1.76	17.90	H
	22687	-52.77	-13	-39.77	-76.74	-67.16	1.97	18.51	H
	26468	-50.90	-13	-37.90	-78.09	-65.21	2.36	18.82	H
									H
	7565	-47.67	-13	-34.67	-73.83	-54.63	2.00	11.11	V
	11345	-41.87	-13	-28.87	-73.02	-48.53	2.51	11.31	V
	15126	-37.86	-13	-24.86	-72.15	-46.14	3.03	13.46	V
	18906	-56.09	-13	-43.09	-74.39	-70.08	1.76	17.90	V
	22687	-52.53	-13	-39.53	-76.55	-66.92	1.97	18.51	V
	26468	-49.49	-13	-36.49	-78.16	-63.80	2.36	18.82	V
									V

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



<ASDIV Antenna>

<Ant. 0>

EN-DC 26A-n41A

EN-DC 26A-n41A / 20MHz / PI/2 BPSK									
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	4997	-39.61	-25	-14.61	-71.22	-50.60	1.61	12.60	H
	7489	-37.62	-25	-12.62	-73.78	-46.75	1.98	11.12	H
	10000	-44.85	-25	-19.85	-74.36	-53.75	2.40	11.30	H
									H
									H
									H
	4997	-39.70	-25	-14.70	-70.86	-50.69	1.61	12.60	V
	7489	-37.30	-25	-12.30	-73.41	-46.43	1.98	11.12	V
	10000	-43.95	-25	-18.95	-74.26	-52.85	2.40	11.30	V
									V
									V
									V
Middle	5172	-41.62	-25	-16.62	-73.42	-52.81	1.65	12.84	H
	7755	-37.29	-25	-12.29	-73	-46.42	2.03	11.15	H
	10340	-43.62	-25	-18.62	-73.99	-52.25	2.39	11.03	H
									H
									H
									H
	5172	-40.64	-25	-15.64	-72.24	-51.83	1.65	12.84	V
	7755	-37.99	-25	-12.99	-73.45	-47.12	2.03	11.15	V
	10340	-43.64	-25	-18.64	-74.07	-52.27	2.39	11.03	V
									V
									V
									V



Highest	5340	-42.28	-25	-17.28	-74.54	-53.66	1.70	13.08	H
	8020	-46.80	-25	-21.80	-73.9	-55.98	2.06	11.24	H
	10680	-43.46	-25	-18.46	-74.28	-51.88	2.48	10.90	H
									H
									H
									H
									H
	5340	-42.76	-25	-17.76	-74.68	-54.14	1.70	13.08	V
	8020	-46.74	-25	-21.74	-73.74	-55.92	2.06	11.24	V
	10680	-43.77	-25	-18.77	-74.35	-52.19	2.48	10.90	V
									V
									V
									V
									V

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



<Ant. 2>

5G NR n78 HPUE

EN-DC 66A-n78A / 20MHz / PI/2 BPSK									
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	7405	-46.52	-13	-33.52	-73.58	-53.68	1.94	11.25	H
	11105	-42.56	-13	-29.56	-73.57	-48.83	2.61	11.03	H
	14808	-36.84	-13	-23.84	-72.24	-43.74	2.94	11.99	H
	18506	-56.22	-13	-43.22	-74.6	-70.07	1.90	17.90	H
	22207	-53.89	-13	-40.89	-76.35	-68.51	2.05	18.82	H
	25908	-51.16	-13	-38.16	-77.26	-66.13	1.96	19.08	H
									H
	7405	-47.19	-13	-34.19	-74.1	-54.35	1.94	11.25	V
	11105	-42.67	-13	-29.67	-73.52	-48.94	2.61	11.03	V
	14808	-38.93	-13	-25.93	-72.38	-45.83	2.94	11.99	V
	18506	-56.99	-13	-43.99	-74.51	-70.84	1.90	17.90	V
	22207	-53.49	-13	-40.49	-75.97	-68.11	2.05	18.82	V
	25908	-50.12	-13	-37.12	-77.33	-65.09	1.96	19.08	V
	Middle	7485	-46.85	-13	-33.85	-73.49	-53.84	1.98	11.12
11225		-42.20	-13	-29.20	-73.37	-48.66	2.56	11.17	H
14964		-35.96	-13	-22.96	-72.21	-43.31	2.98	12.48	H
18706		-55.78	-13	-42.78	-74.49	-69.70	1.83	17.90	H
22447		-52.31	-13	-39.31	-75.87	-66.90	1.98	18.72	H
26188		-51.33	-13	-38.33	-77.96	-66.08	2.09	18.99	H
									H
7485		-46.55	-13	-33.55	-73.14	-53.54	1.98	11.12	V
11225		-42.58	-13	-29.58	-73.59	-49.04	2.56	11.17	V
14964		-38.39	-13	-25.39	-72.16	-45.74	2.98	12.48	V
18706		-56.32	-13	-43.32	-74.23	-70.24	1.83	17.90	V
22447		-52.36	-13	-39.36	-75.97	-66.95	1.98	18.72	V
26188		-49.86	-13	-36.86	-77.71	-64.61	2.09	18.99	V



Highest	7565	-47.67	-13	-34.67	-73.87	-54.63	2.00	11.11	H
	11345	-42.15	-13	-29.15	-73.46	-48.81	2.51	11.31	H
	15126	-35.56	-13	-22.56	-71.99	-43.84	3.03	13.46	H
	18906	-55.69	-13	-42.69	-74.72	-69.68	1.76	17.90	H
	22687	-52.59	-13	-39.59	-76.56	-66.98	1.97	18.51	H
	26468	-50.95	-13	-37.95	-78.14	-65.26	2.36	18.82	H
									H
	7565	-47.57	-13	-34.57	-73.73	-54.53	2.00	11.11	V
	11345	-41.88	-13	-28.88	-73.03	-48.54	2.51	11.31	V
	15126	-37.74	-13	-24.74	-72.03	-46.02	3.03	13.46	V
	18906	-56.44	-13	-43.44	-74.74	-70.43	1.76	17.90	V
	22687	-52.72	-13	-39.72	-76.74	-67.11	1.97	18.51	V
	26468	-49.25	-13	-36.25	-77.92	-63.56	2.36	18.82	V
									V

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

————THE END————