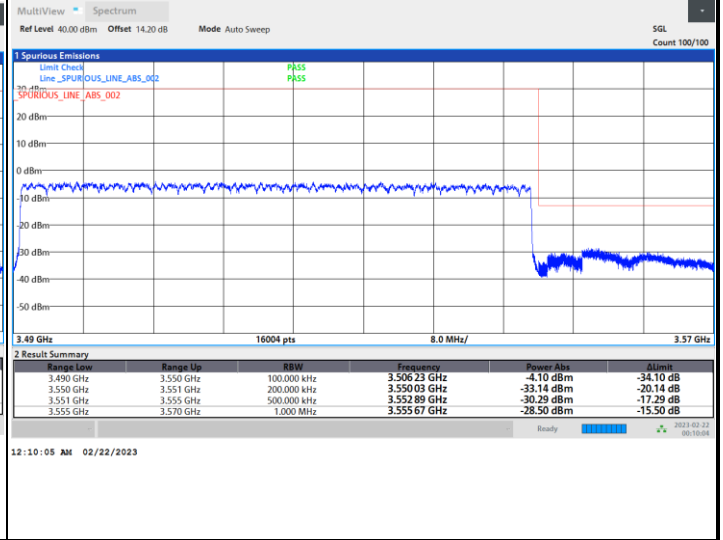
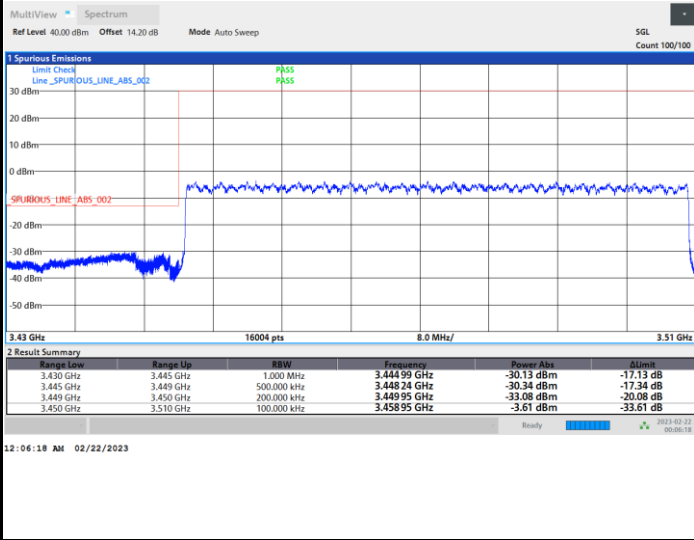




FR1 n77 / 60MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

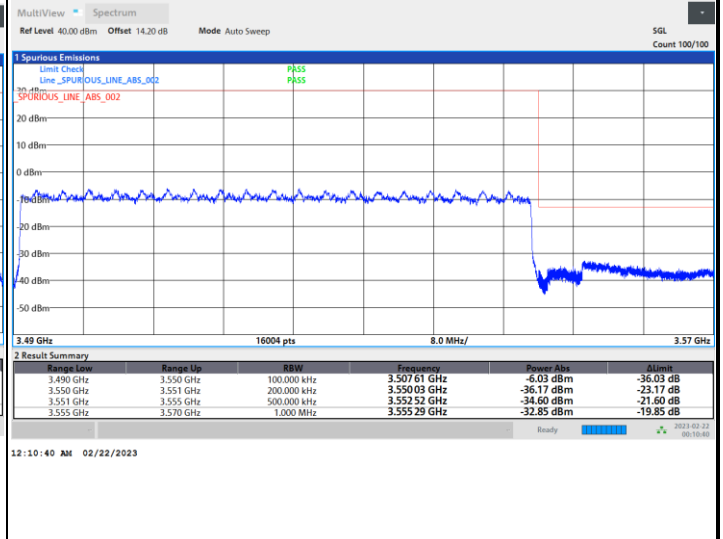
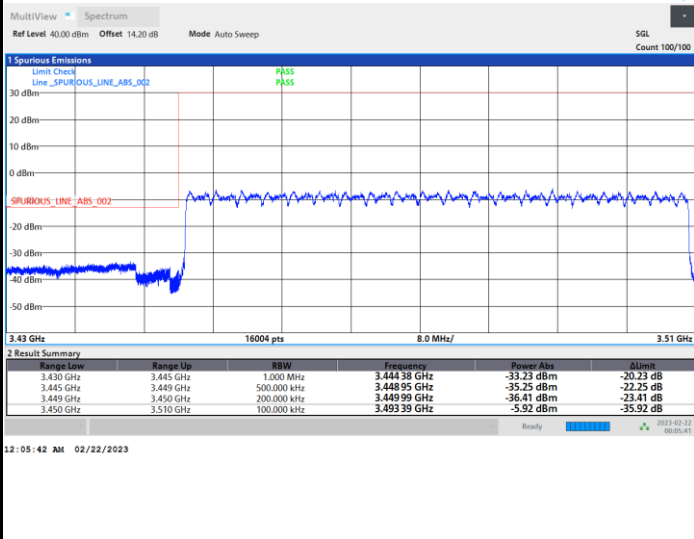
Highest Band Edge / Full RB



FR1 n77 / 60MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

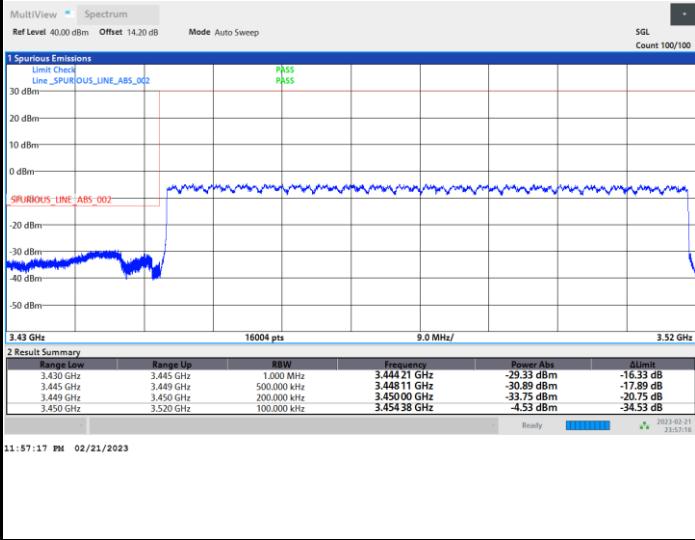




FR1 n77 / 70MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

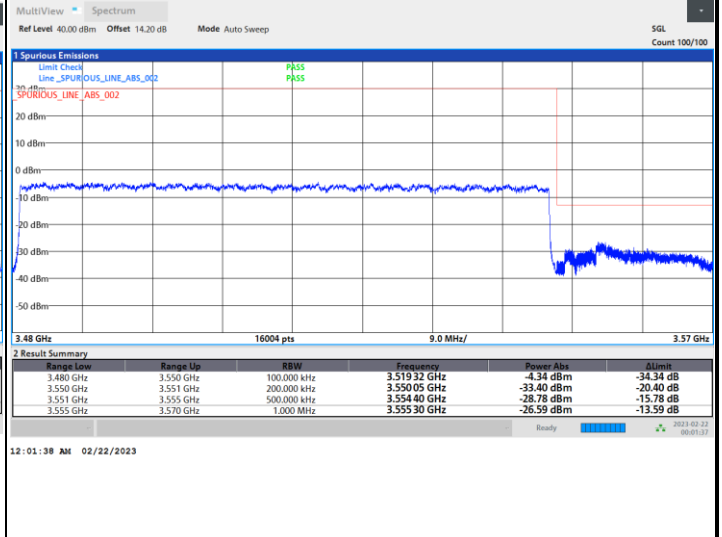
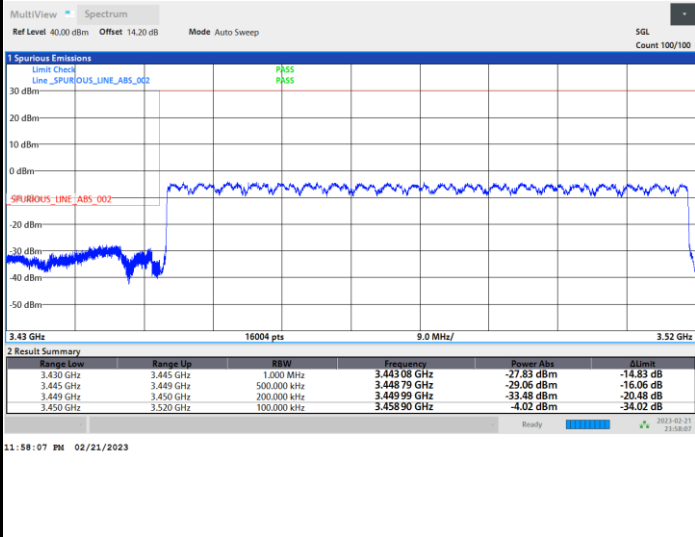
Highest Band Edge / Full RB



FR1 n77 / 70MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

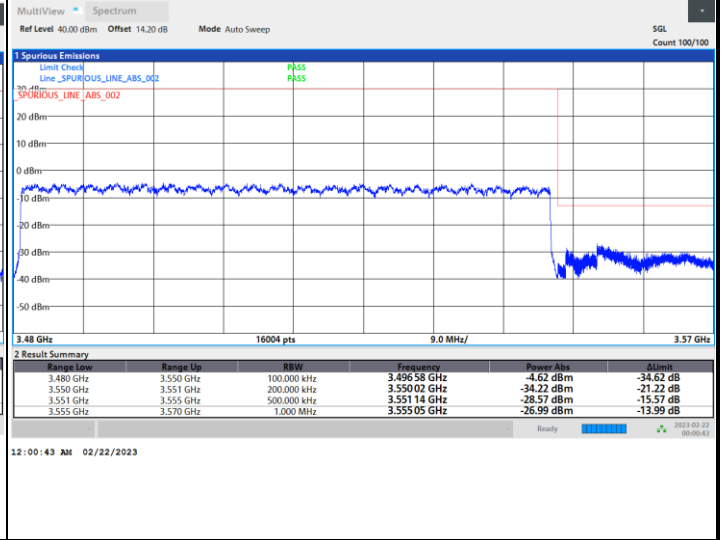
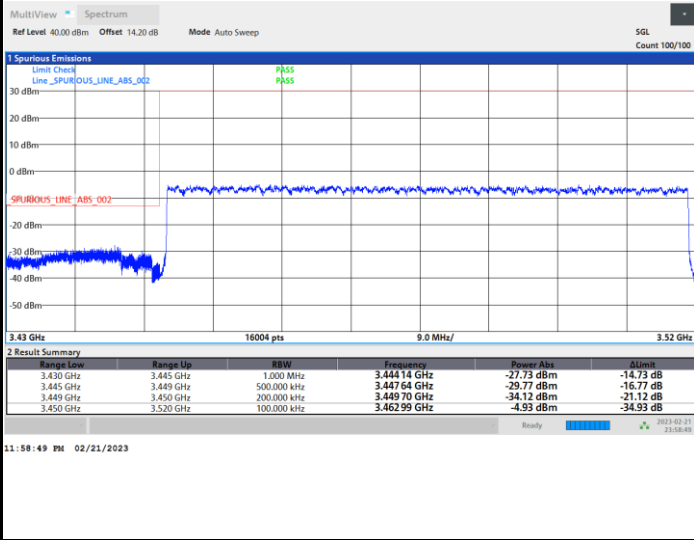




FR1 n77 / 70MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

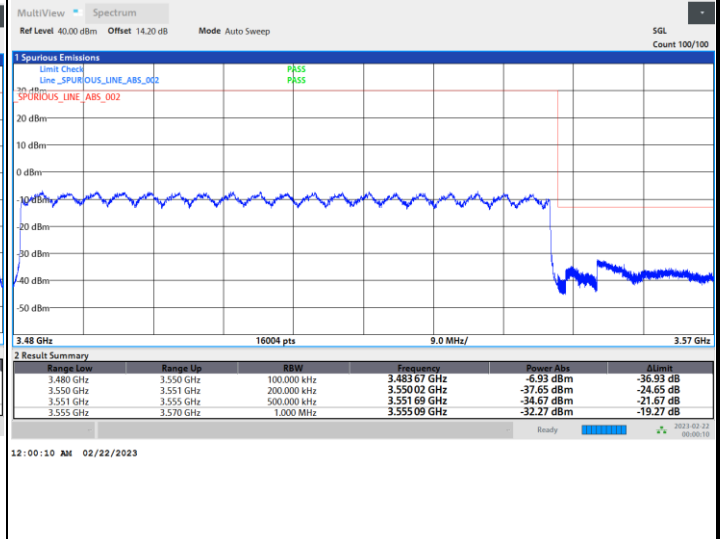
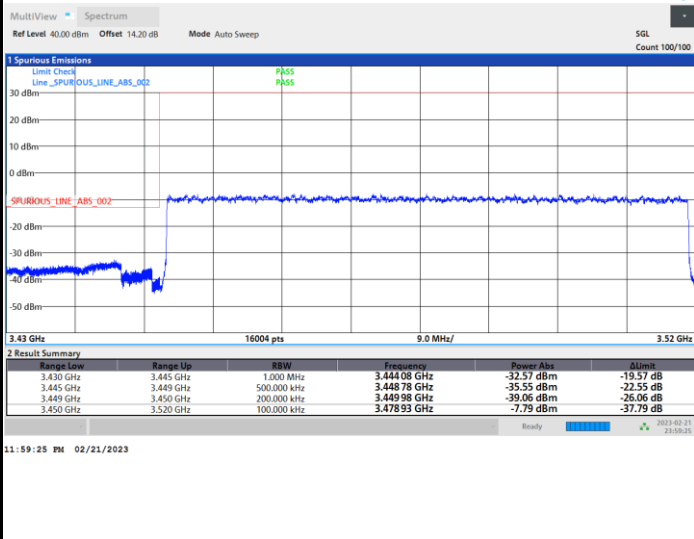
Highest Band Edge / Full RB



FR1 n77 / 70MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

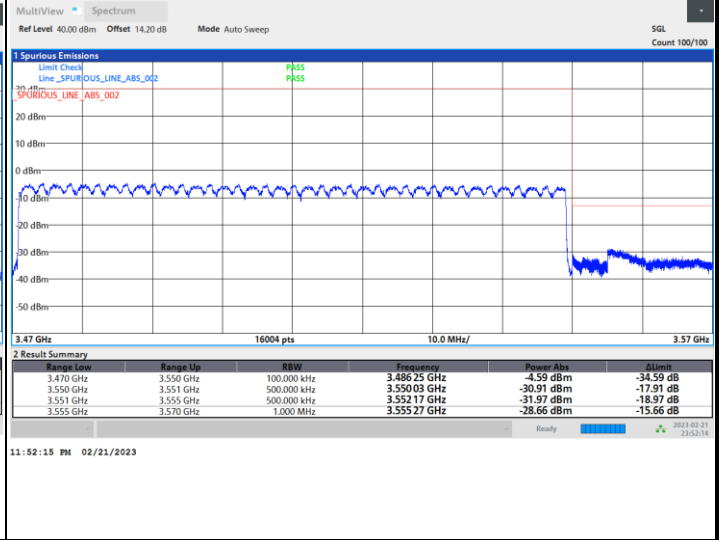
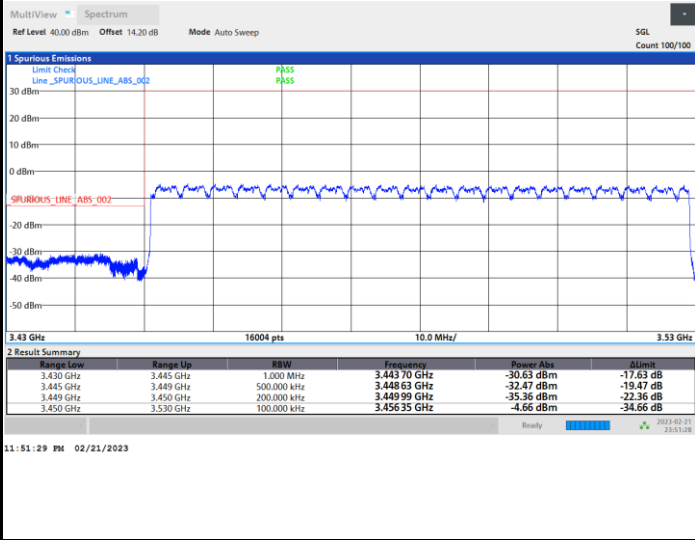




FR1 n77 / 80MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

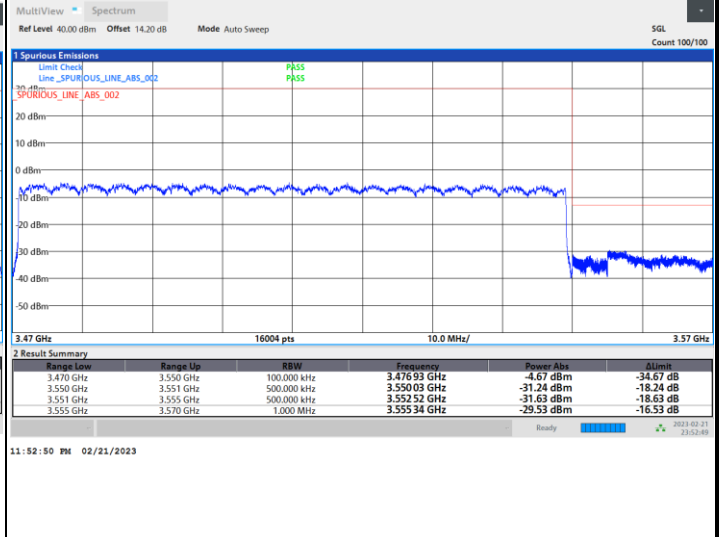
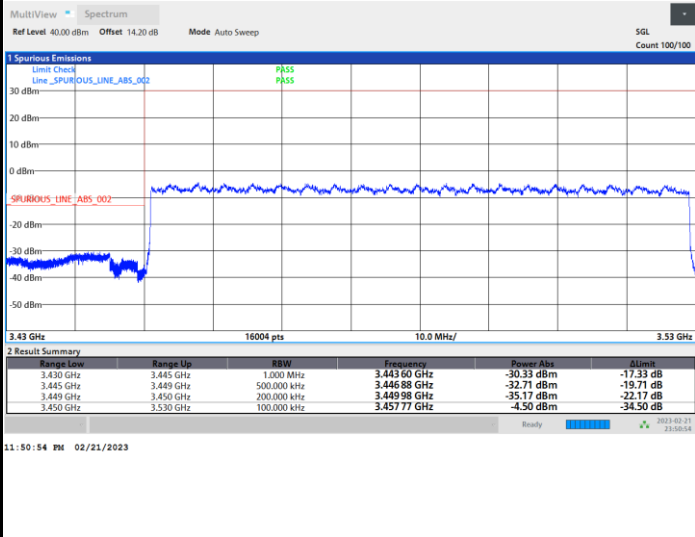
Highest Band Edge / Full RB



FR1 n77 / 80MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

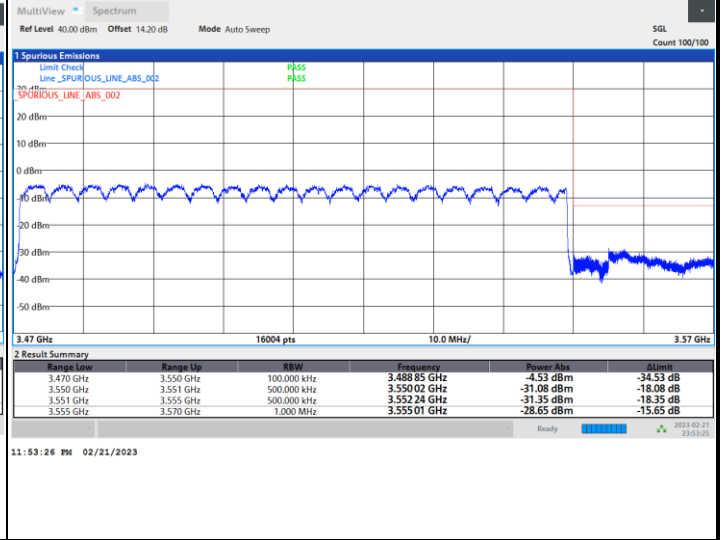
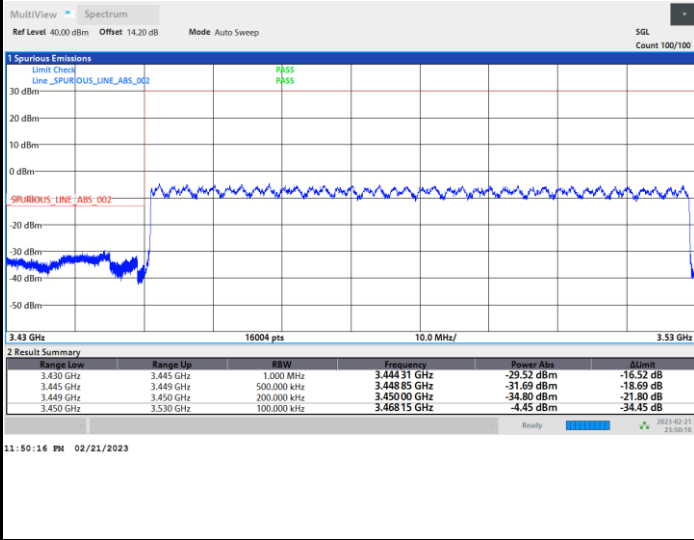




FR1 n77 / 80MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

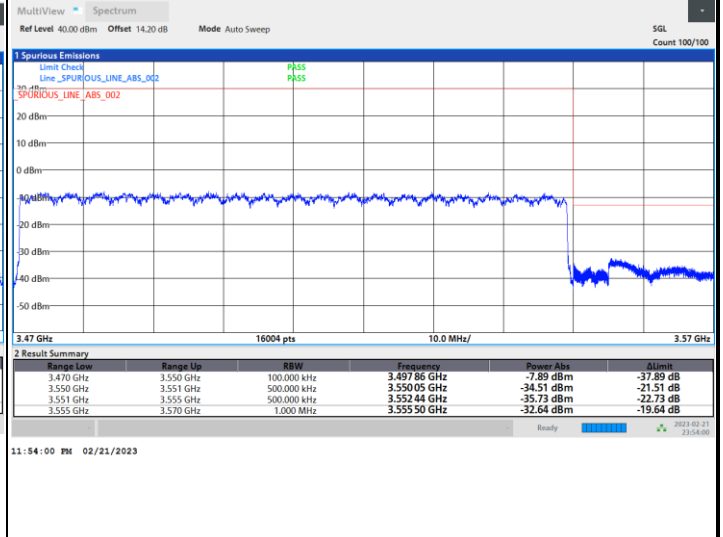
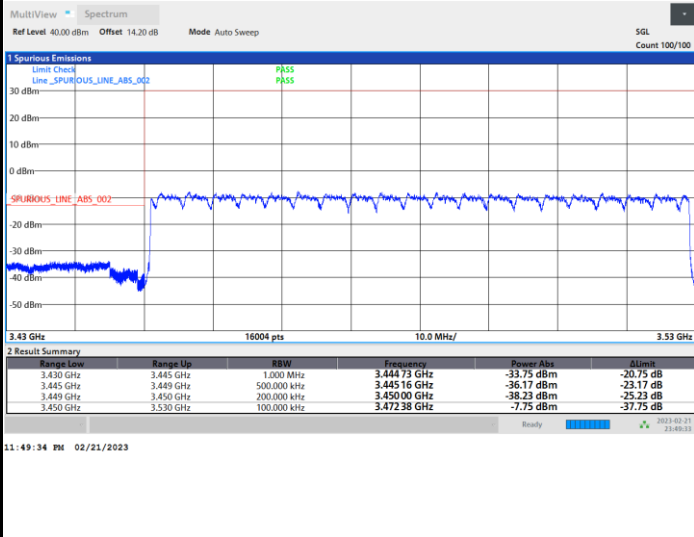
Highest Band Edge / Full RB



FR1 n77 / 80MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

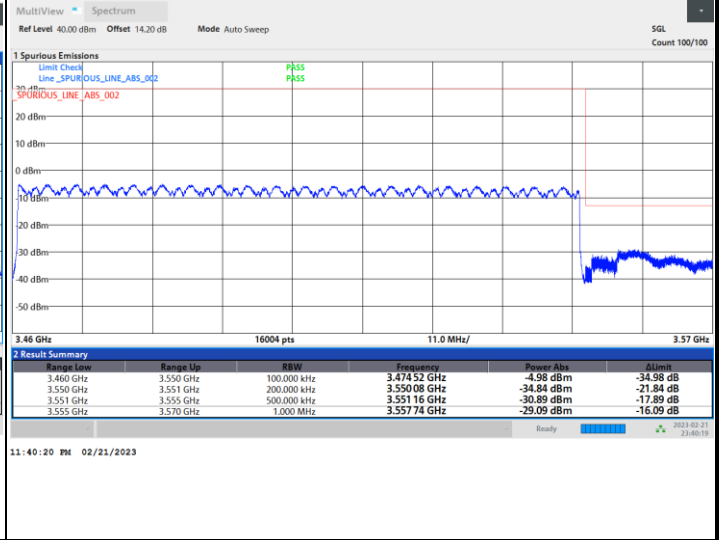
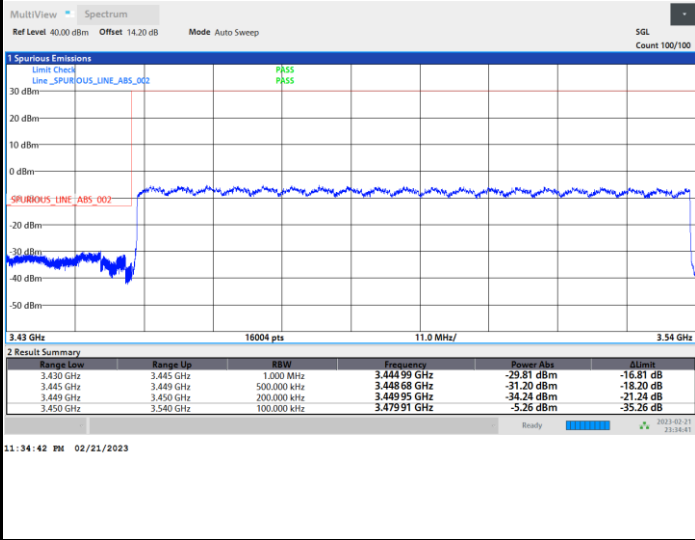




FR1 n77 / 90MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

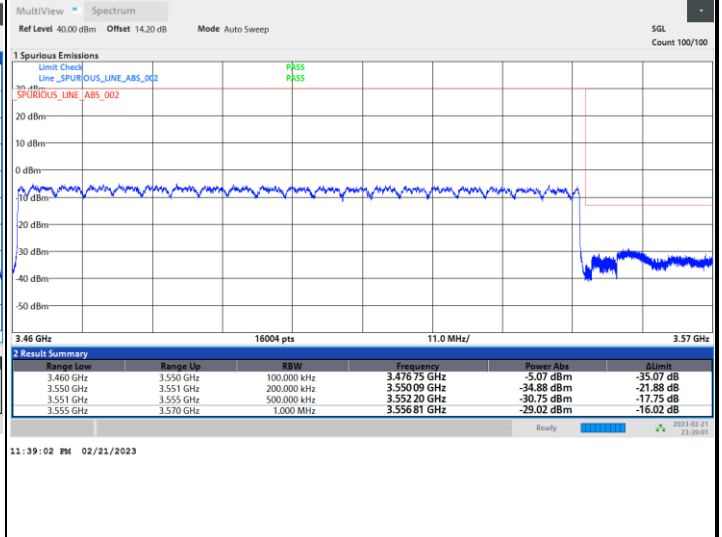
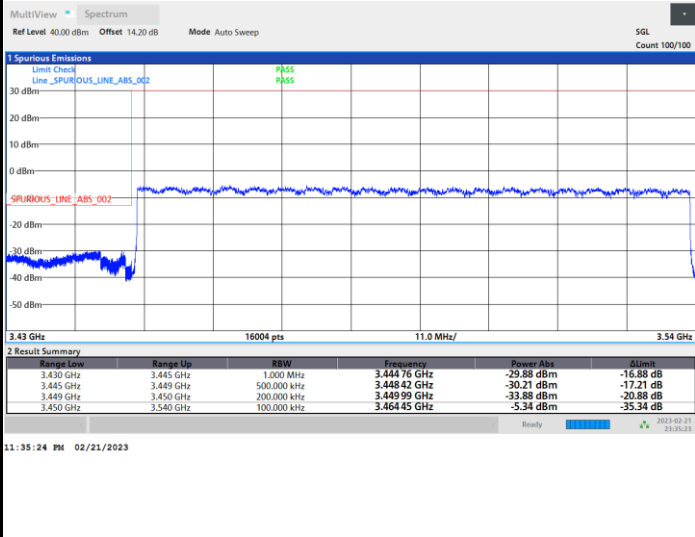
Highest Band Edge / Full RB



FR1 n77 / 90MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

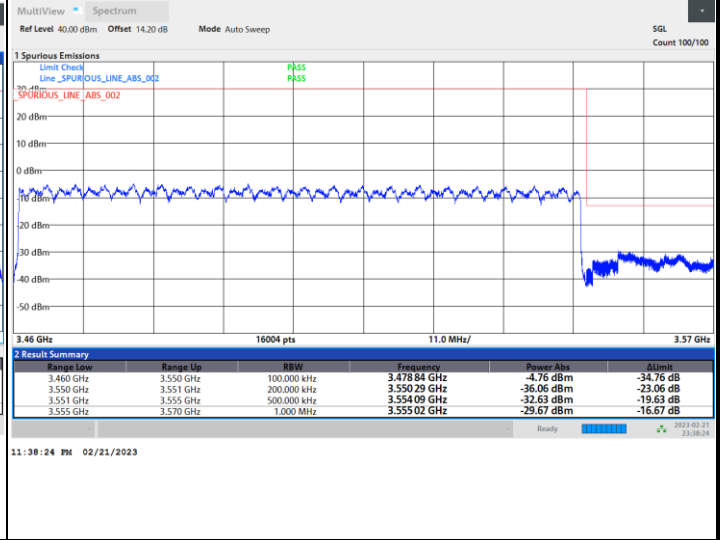
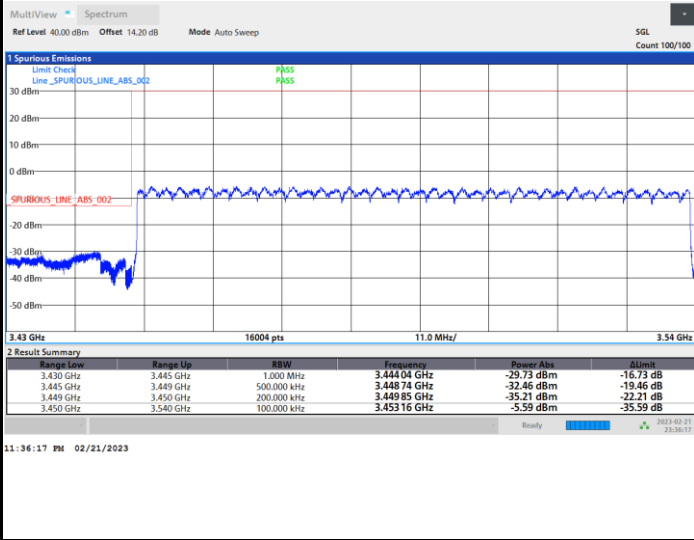




FR1 n77 / 90MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

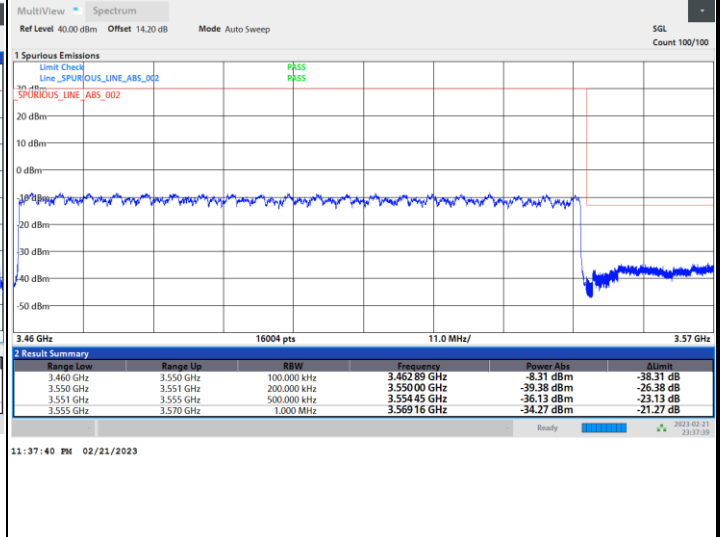
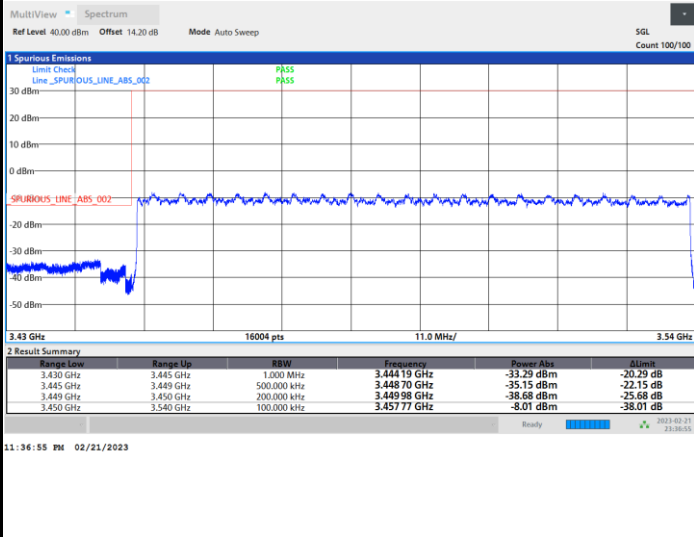
Highest Band Edge / Full RB



FR1 n77 / 90MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

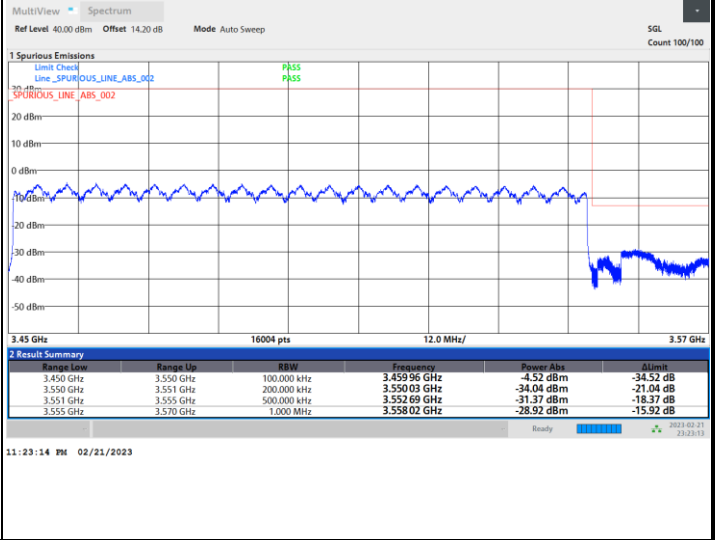
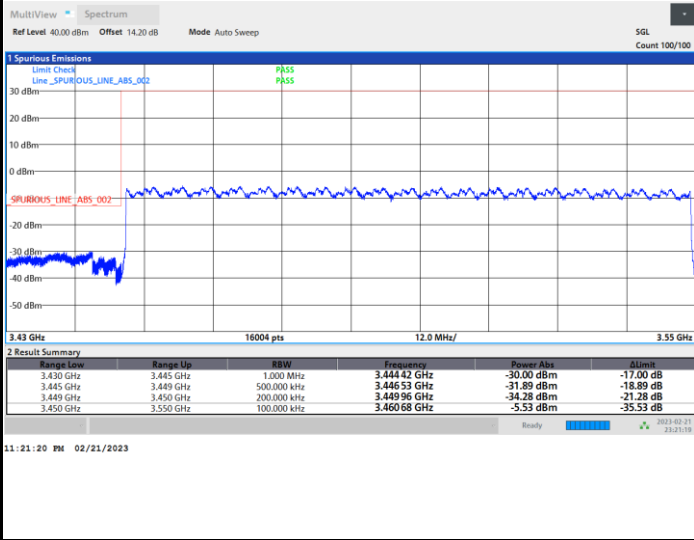




FR1 n77 / 100MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

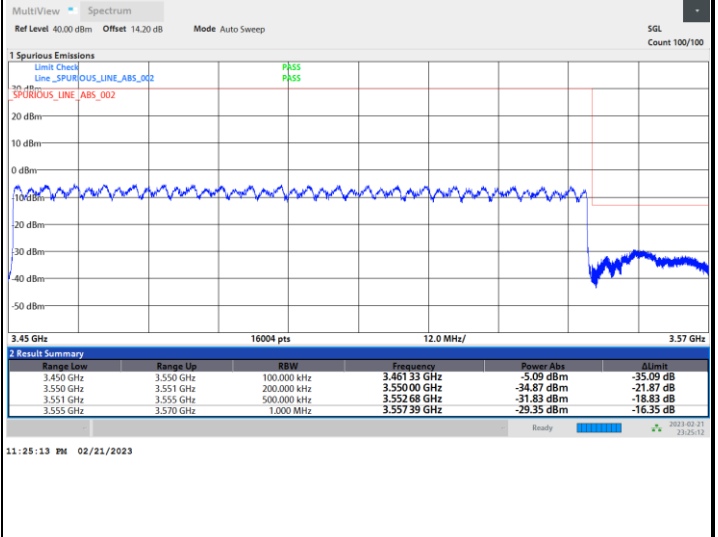
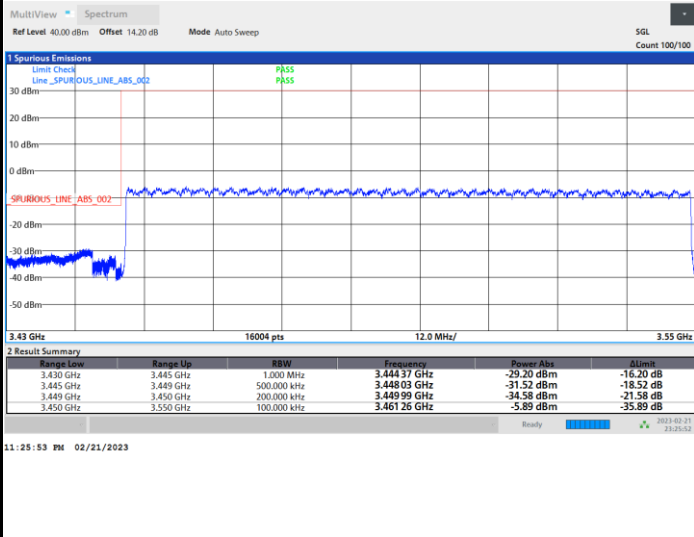
Highest Band Edge / Full RB



FR1 n77 / 100MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

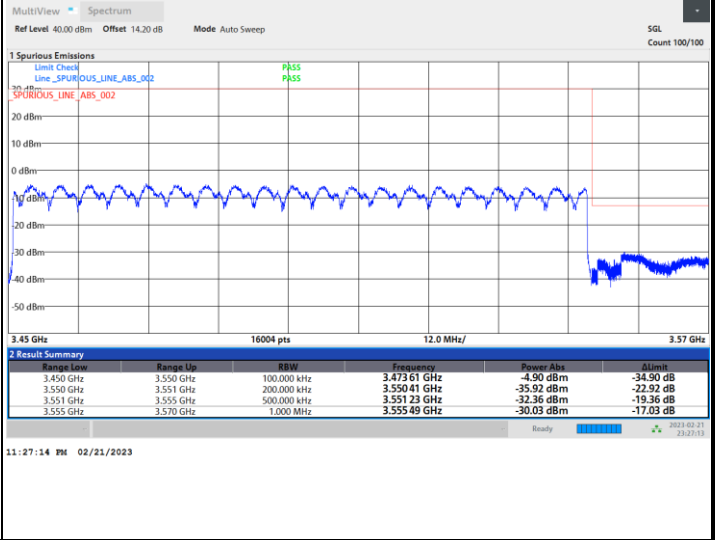
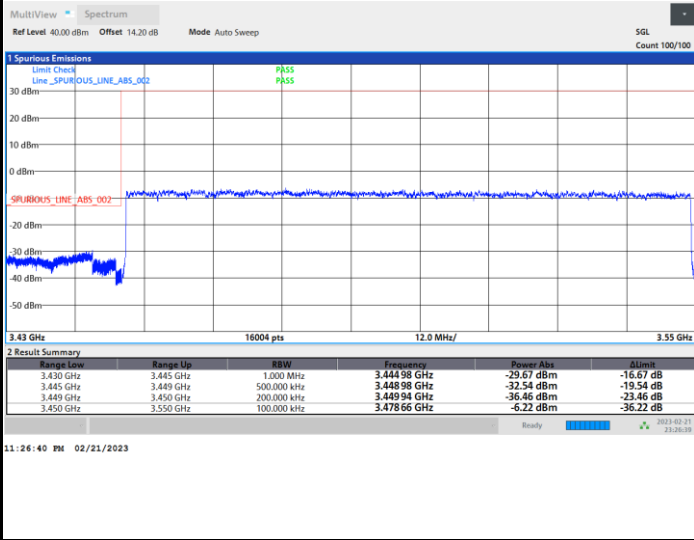




FR1 n77 / 100MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

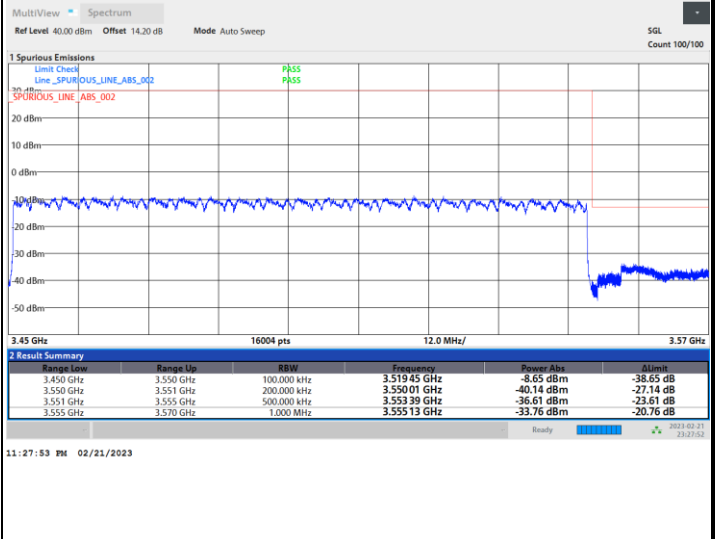
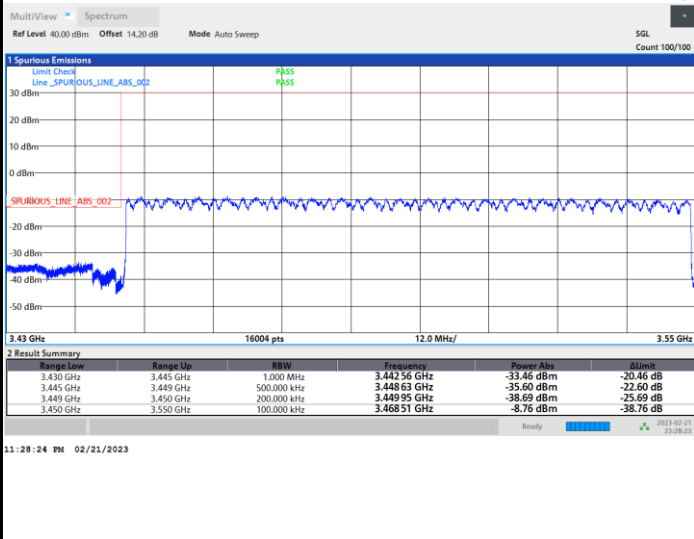
Highest Band Edge / Full RB



FR1 n77 / 100MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

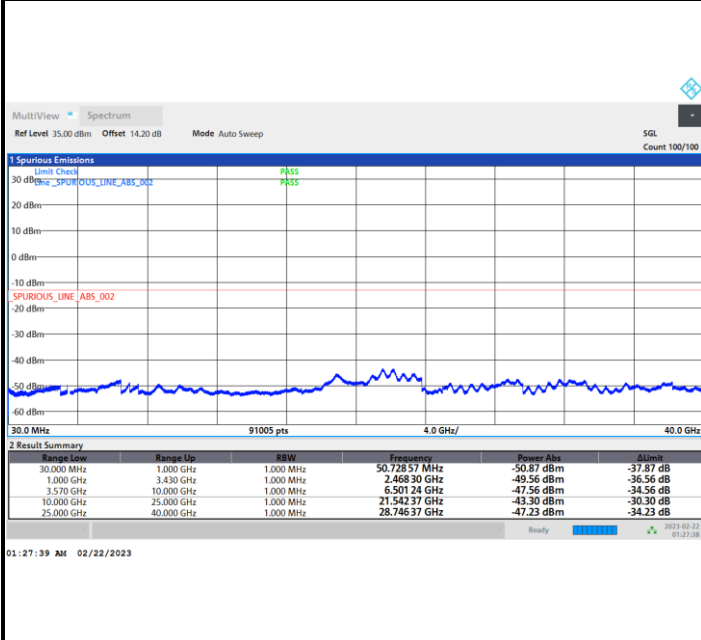




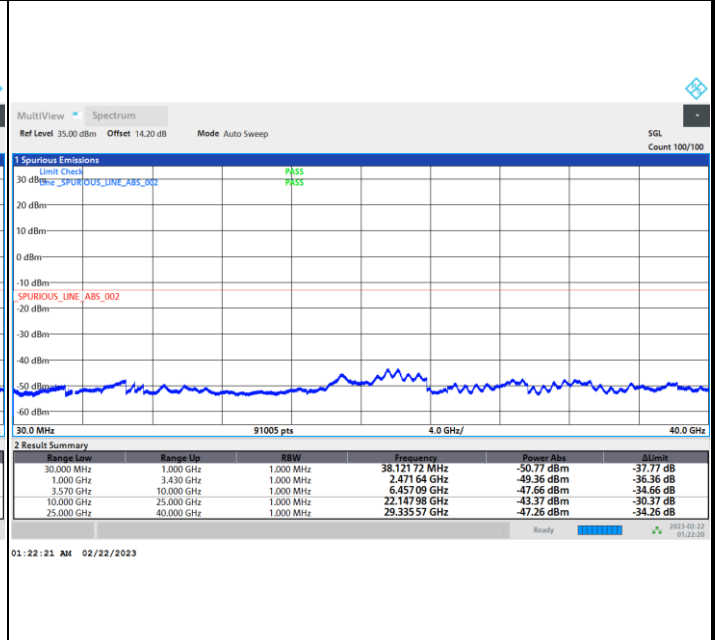
Conducted Spurious Emission

FR1 n77 / 10MHz / CP OFDM / QPSK / 1RB1

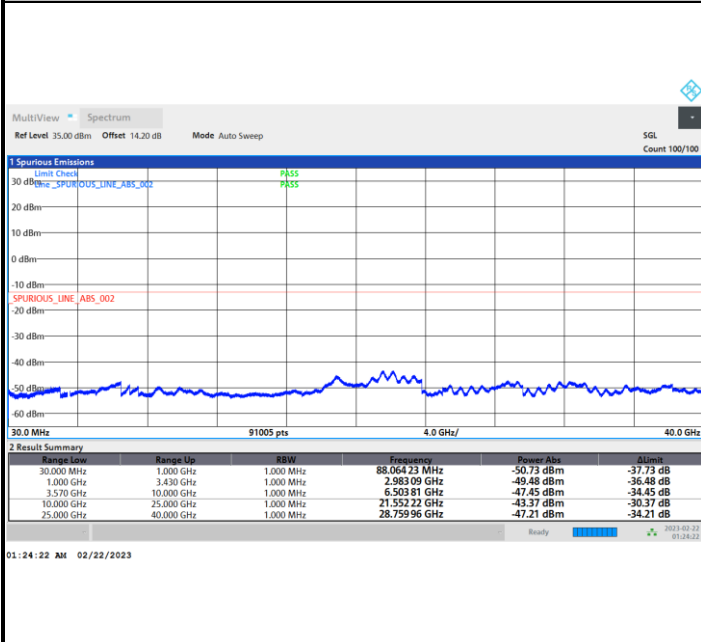
Lowest Channel



Middle Channel



Highest Channel





Frequency Stability

Test Conditions		FR1 n77 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0001	PASS
40	Normal Voltage	0.0034	
30	Normal Voltage	0.0039	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0008	
0	Normal Voltage	0.0029	
-10	Normal Voltage	0.0015	
-20	Normal Voltage	0.0010	
-30	Normal Voltage	0.0004	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0045	

Note:

1. Normal Voltage = 3.85 V. ; Battery End Point (BEP) = 3.40 V. ; Maximum Voltage = 4.40 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

<Ant. 2 + Ant. 1>

EN-DC 4A-n78A

EN-DC 4A-n78A / 20MHz / PI/2 BPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	6983	-41.22	-13	-28.22	-69.71	-49.10	1.84	11.87	H
	10474	-37.01	-13	-24.01	-71.96	-43.42	2.25	10.82	H
	13965	-30.46	-13	-17.46	-72.71	-38.07	2.66	12.43	H
	20948	-59.60	-13	-46.60	-72.31	-72.03	3.24	17.82	H
	24439	-56.44	-13	-43.44	-73.79	-69.20	3.76	18.66	H
	27930	-57.76	-13	-44.76	-77.25	-71.32	3.97	19.67	H
									H
	6983	-41.20	-13	-28.20	-69.85	-49.08	1.84	11.87	V
	10474	-37.48	-13	-24.48	-71.83	-43.89	2.25	10.82	V
	13965	-31.45	-13	-18.45	-73.04	-39.06	2.66	12.43	V
	20948	-57.53	-13	-44.53	-69.95	-69.96	3.24	17.82	V
	24439	-52.84	-13	-39.84	-69.88	-65.60	3.76	18.66	V
	27930	-58.07	-13	-45.07	-77.17	-71.63	3.97	19.67	V
									V

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



EN-DC 7A-n78A

EN-DC 7A-n78A / 20MHz / PI/2 BPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	6983	-40.40	-13	-27.40	-68.89	-48.28	1.84	11.87	H
	10474	-37.07	-13	-24.07	-72.02	-43.48	2.25	10.82	H
	13965	-31.09	-13	-18.09	-73.34	-38.70	2.66	12.43	H
	20948	-63.59	-13	-50.59	-76.3	-76.02	3.24	17.82	H
	24439	-59.98	-13	-46.98	-77.33	-72.74	3.76	18.66	H
	27930	-57.62	-13	-44.62	-77.11	-71.18	3.97	19.67	H
									H
	6983	-41.88	-13	-28.88	-70.53	-49.76	1.84	11.87	V
	10474	-37.71	-13	-24.71	-72.06	-44.12	2.25	10.82	V
	13965	-31.61	-13	-18.61	-73.2	-39.22	2.66	12.43	V
	20948	-58.37	-13	-45.37	-70.79	-70.80	3.24	17.82	V
	24439	-55.63	-13	-42.63	-72.67	-68.39	3.76	18.66	V
	27930	-58.08	-13	-45.08	-77.18	-71.64	3.97	19.67	V
									V

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



EN-DC 25A-n78A

EN-DC 25A-n78A / 20MHz / PI/2 BPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	6983	-40.73	-13	-27.73	-69.22	-48.61	1.84	11.87	H
	10474	-37.01	-13	-24.01	-71.96	-43.42	2.25	10.82	H
	13965	-30.67	-13	-17.67	-72.92	-38.28	2.66	12.43	H
	20948	-59.32	-13	-46.32	-72.03	-71.75	3.24	17.82	H
	24439	-56.30	-13	-43.30	-73.65	-69.06	3.76	18.66	H
	27930	-57.39	-13	-44.39	-76.88	-70.95	3.97	19.67	H
									H
	6983	-41.80	-13	-28.80	-70.45	-49.68	1.84	11.87	V
	10474	-37.79	-13	-24.79	-72.14	-44.20	2.25	10.82	V
	13965	-31.58	-13	-18.58	-73.17	-39.19	2.66	12.43	V
	20948	-57.63	-13	-44.63	-70.05	-70.06	3.24	17.82	V
	24439	-50.93	-13	-37.93	-67.97	-63.69	3.76	18.66	V
	27930	-57.83	-13	-44.83	-76.93	-71.39	3.97	19.67	V
									V

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



<Ant. 1 + Ant. 2>

EN-DC 13A-n78A

EN-DC 13A-n78A / 20MHz / PI/2 BPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	6983	-42.29	-13	-29.29	-70.78	-50.17	1.84	11.87	H
	10474	-37.17	-13	-24.17	-72.12	-43.58	2.25	10.82	H
	13695	-31.32	-13	-18.32	-73.57	-39.20	2.62	12.64	H
	20948	-63.61	-13	-50.61	-76.32	-76.04	3.24	17.82	H
	24439	-54.16	-13	-41.16	-71.51	-66.92	3.76	18.66	H
	27930	-57.42	-13	-44.42	-76.91	-70.98	3.97	19.67	H
									H
	6983	-43.27	-13	-30.27	-71.92	-51.15	1.84	11.87	V
	10474	-38.01	-13	-25.01	-72.36	-44.42	2.25	10.82	V
	13695	-31.99	-13	-18.99	-73.58	-39.87	2.62	12.64	V
	20948	-63.91	-13	-50.91	-76.33	-76.34	3.24	17.82	V
	24439	-51.66	-13	-38.66	-68.7	-64.42	3.76	18.66	V
	27930	-58.24	-13	-45.24	-77.34	-71.80	3.97	19.67	V
									V

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



EN-DC 26A-n78A

EN-DC 26A-n78A / 20MHz / PI/2 BPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	6983	-41.37	-13	-28.37	-69.86	-49.25	1.84	11.87	H
	10474	-37.11	-13	-24.11	-72.06	-43.52	2.25	10.82	H
	13965	-30.76	-13	-17.76	-73.01	-38.37	2.66	12.43	H
	20948	-63.65	-13	-50.65	-76.36	-76.09	3.24	17.82	H
	24439	-53.66	-13	-40.66	-71.01	-66.42	3.76	18.66	H
	27930	-57.54	-13	-44.54	-77.03	-71.10	3.97	19.67	H
									H
	6983	-41.82	-13	-28.82	-70.47	-49.70	1.84	11.87	V
	10474	-37.64	-13	-24.64	-71.99	-44.05	2.25	10.82	V
	13965	-31.66	-13	-18.66	-73.25	-39.27	2.66	12.43	V
	20948	-64.13	-13	-51.13	-76.55	-76.56	3.24	17.82	V
	24439	-49.36	-13	-36.36	-66.4	-62.12	3.76	18.66	V
	27930	-57.71	-13	-44.71	-76.81	-71.27	3.97	19.67	V
									V

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



EN-DC 71A-n78A

EN-DC 71A-n78A / 20MHz / PI/2 BPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	6983	-41.26	-13	-28.26	-69.75	-49.14	1.84	11.87	H
	10474	-37.59	-13	-24.59	-72.54	-44.00	2.25	10.82	H
	13965	-30.94	-13	-17.94	-73.19	-38.55	2.66	12.43	H
	20948	-63.28	-13	-50.28	-75.99	-75.71	3.24	17.82	H
	24439	-50.95	-13	-37.95	-68.3	-63.71	3.76	18.66	H
	27930	-57.62	-13	-44.62	-77.11	-71.18	3.97	19.67	H
									H
	6983	-43.51	-13	-30.51	-72.16	-51.39	1.84	11.87	V
	10474	-37.88	-13	-24.88	-72.23	-44.29	2.25	10.82	V
	13965	-31.73	-13	-18.73	-73.32	-39.34	2.66	12.43	V
	20948	-63.58	-13	-50.58	-76	-76.01	3.24	17.82	V
	24439	-56.37	-13	-43.37	-73.41	-69.13	3.76	18.66	V
	27930	-58.20	-13	-45.20	-77.3	-71.76	3.97	19.67	V
									V

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



MIMO <Ant. 1 + Ant. 2>

5G NR n77 MIMO

SA NR n77 MIMO / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	6903	-43.62	-13	-30.62	-72.03	-51.81	1.84	12.19	H
	10354	-36.67	-13	-23.67	-71.47	-43.15	2.26	10.89	H
	13805	-31.30	-13	-18.30	-74.2	-39.07	2.63	12.56	H
	20708	-59.35	-13	-46.35	-72.05	-71.89	3.22	17.92	H
	24159	-57.62	-13	-44.62	-74.41	-70.18	3.78	18.50	H
	27610	-57.86	-13	-44.86	-77.55	-71.31	3.95	19.54	H
									H
	6903	-42.45	-13	-29.45	-71.36	-50.64	1.84	12.19	V
	10354	-38.27	-13	-25.27	-72.28	-44.75	2.26	10.89	V
	13805	-31.50	-13	-18.50	-73.37	-39.27	2.63	12.56	V
	20708	-62.54	-13	-49.54	-75	-75.08	3.22	17.92	V
	24159	-53.56	-13	-40.56	-69.99	-66.12	3.78	18.50	V
	27610	-58.31	-13	-45.31	-77.68	-71.76	3.95	19.54	V
									V
Middle	6983	-42.74	-13	-29.74	-71.23	-50.62	1.84	11.87	H
	10474	-37.41	-13	-24.41	-71.36	-43.82	2.25	10.82	H
	13965	-32.51	-13	-19.51	-74.76	-40.12	2.66	12.43	H
	20948	-61.07	-13	-48.07	-73.78	-73.50	3.24	17.82	H
	24439	-55.85	-13	-42.85	-73.2	-68.61	3.76	18.66	H
	27930	-57.35	-13	-44.35	-76.84	-70.91	3.97	19.67	H
									H
	6983	-42.98	-13	-29.98	-71.63	-50.86	1.84	11.87	V
	10474	-37.90	-13	-24.90	-72.25	-44.31	2.25	10.82	V
	13965	-33.22	-13	-20.22	-74.81	-40.83	2.66	12.43	V
	20948	-61.85	-13	-48.85	-74.27	-74.28	3.24	17.82	V
	24439	-59.13	-13	-46.13	-76.17	-71.89	3.76	18.66	V
	27930	-58.33	-13	-45.33	-77.43	-71.89	3.97	19.67	V



Highest	7063	-42.46	-13	-29.46	-71.21	-50.11	1.84	11.64	H
	10594	-38.21	-13	-25.21	-73.38	-44.56	2.24	10.74	H
	14125	-31.81	-13	-18.81	-73.9	-39.33	2.66	12.33	H
	21188	-62.79	-13	-49.79	-76.09	-75.38	3.29	18.03	H
	24719	-56.47	-13	-43.47	-73.94	-69.16	3.73	18.57	H
	28250	-57.26	-13	-44.26	-76.74	-70.68	3.98	19.55	H
									H
	7063	-42.86	-13	-29.86	-71.79	-50.51	1.84	11.64	V
	10594	-38.49	-13	-25.49	-73.19	-44.84	2.24	10.74	V
	14125	-32.36	-13	-19.36	-74.15	-39.88	2.66	12.33	V
	21188	-63.97	-13	-50.97	-76.96	-76.56	3.29	18.03	V
	24719	-56.58	-13	-43.58	-73.74	-69.27	3.73	18.57	V
	28250	-57.92	-13	-44.92	-76.99	-71.34	3.98	19.55	V
									V

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