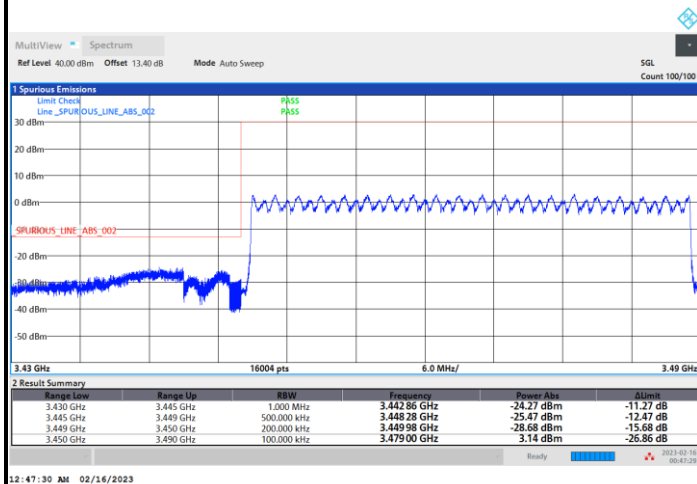


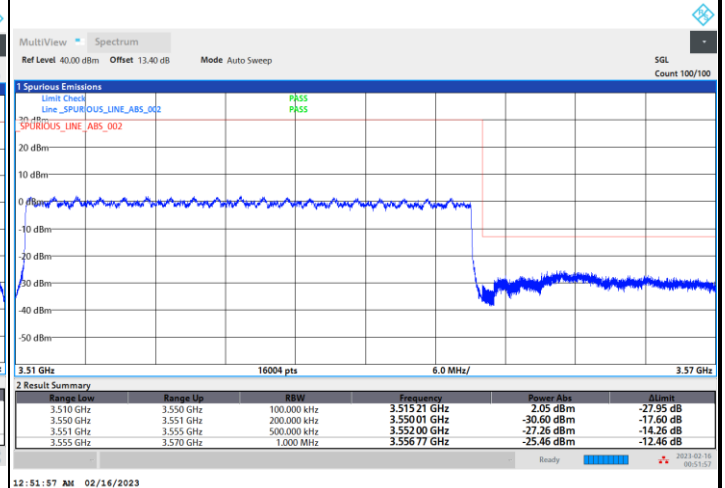


FR1 n77 / 40MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

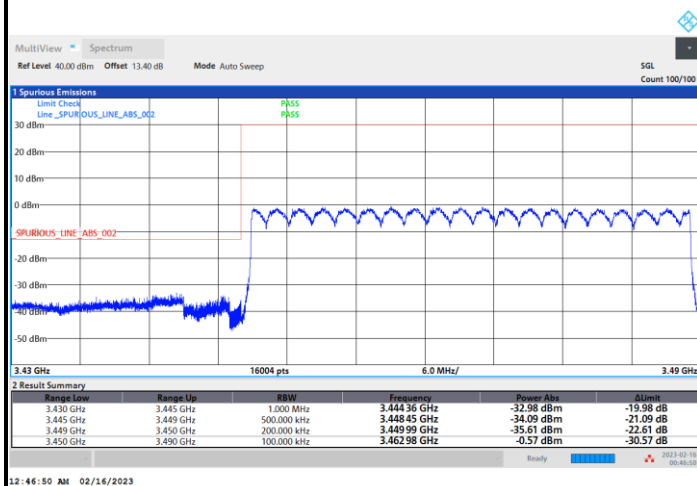


Highest Band Edge / Full RB

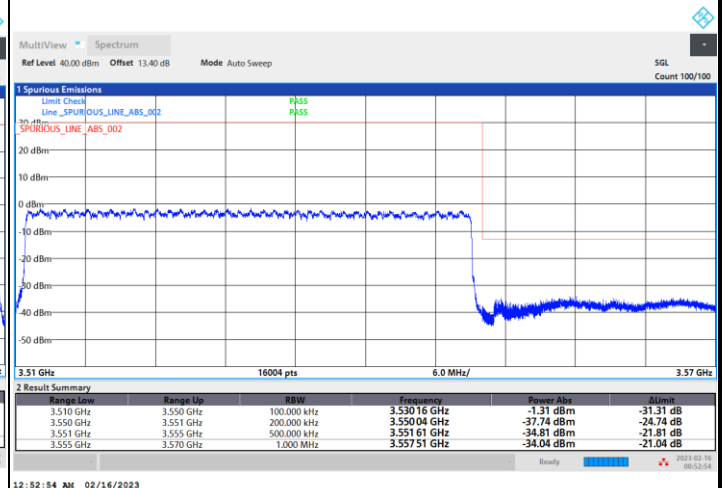


FR1 n77 / 40MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB



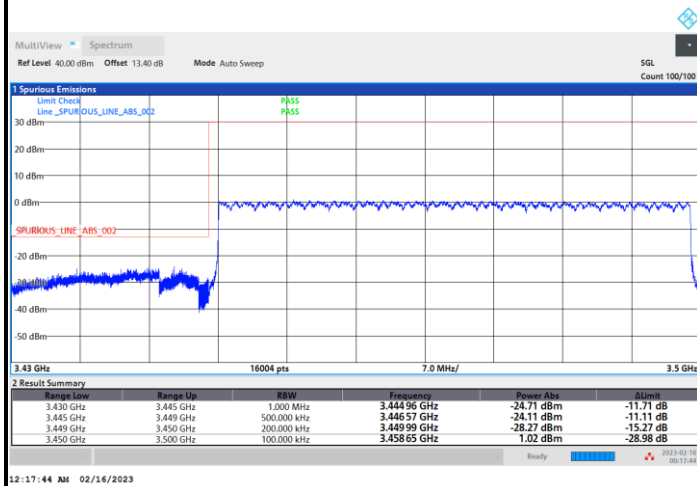
Highest Band Edge / Full RB



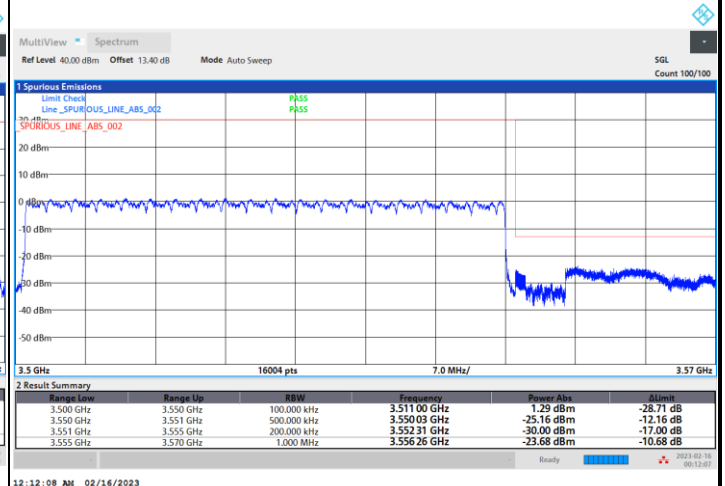


FR1 n77 / 50MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

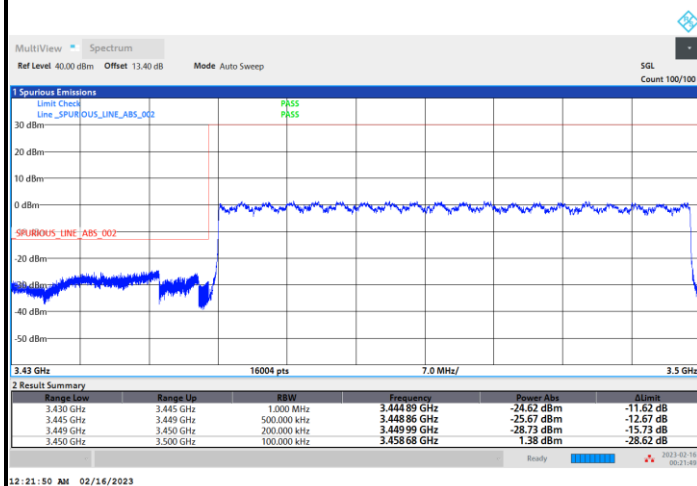


Highest Band Edge / Full RB

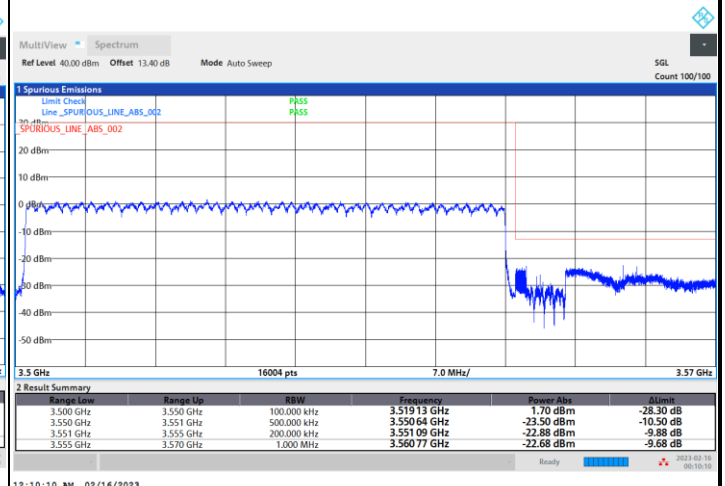


FR1 n77 / 50MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB



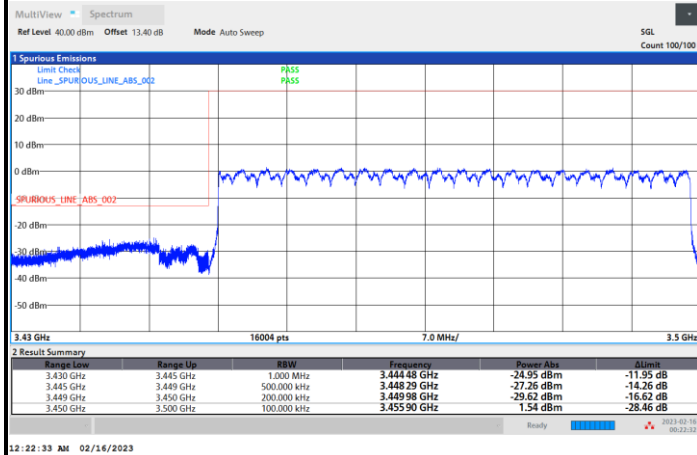
Highest Band Edge / Full RB



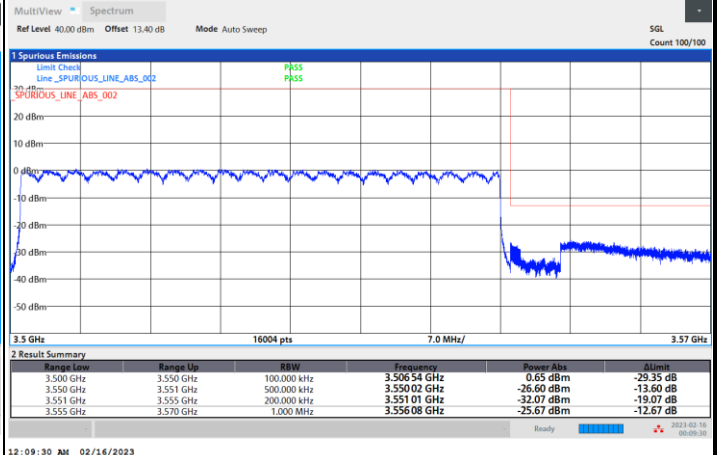


FR1 n77 / 50MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

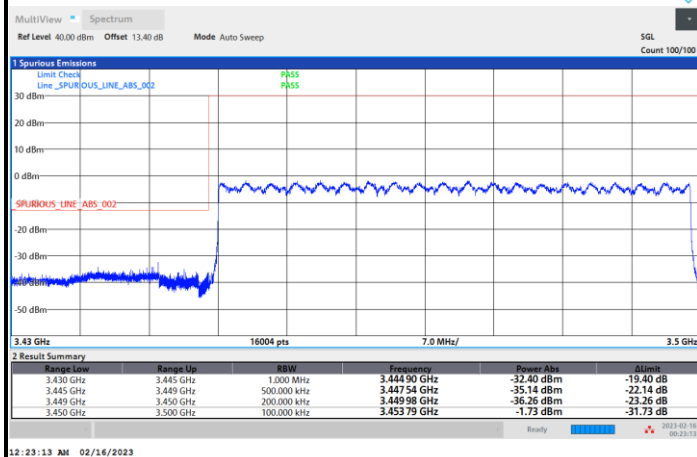


Highest Band Edge / Full RB

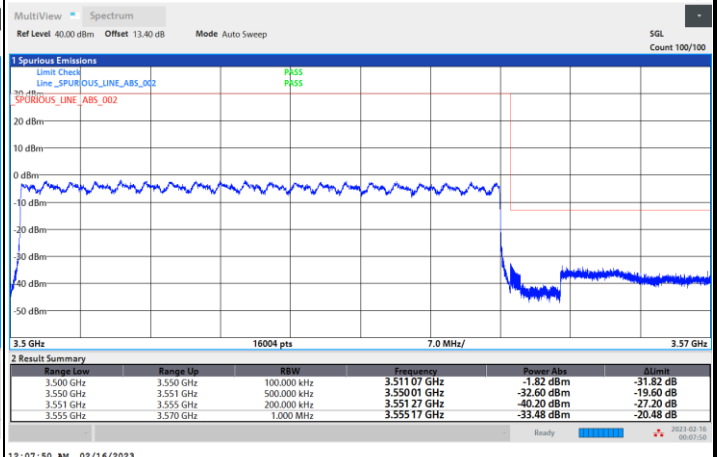


FR1 n77 / 50MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB



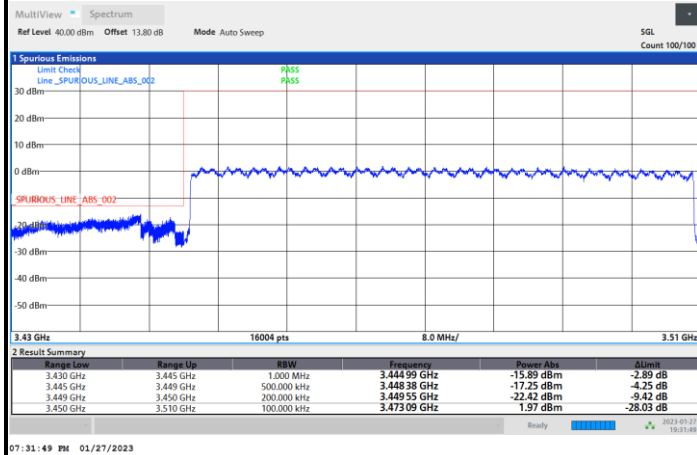
Highest Band Edge / Full RB



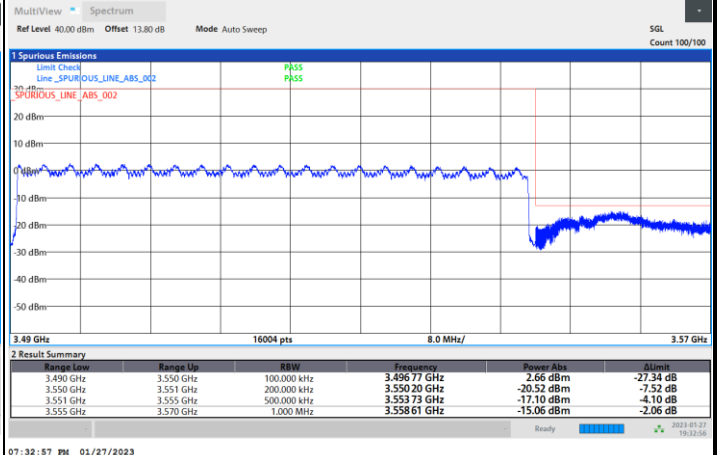


FR1 n77 / 60MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

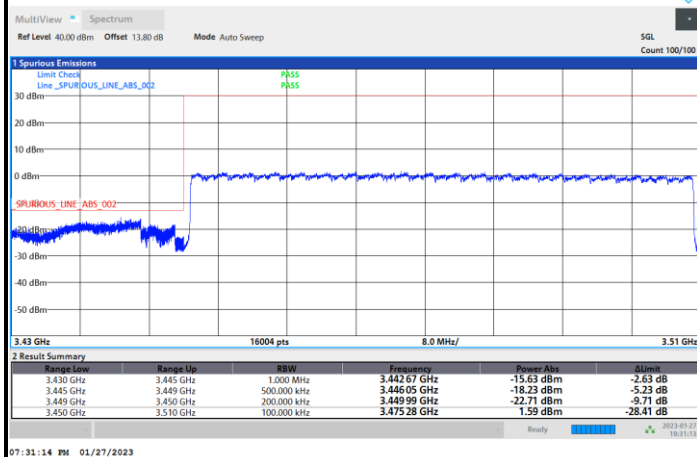


Highest Band Edge / Full RB

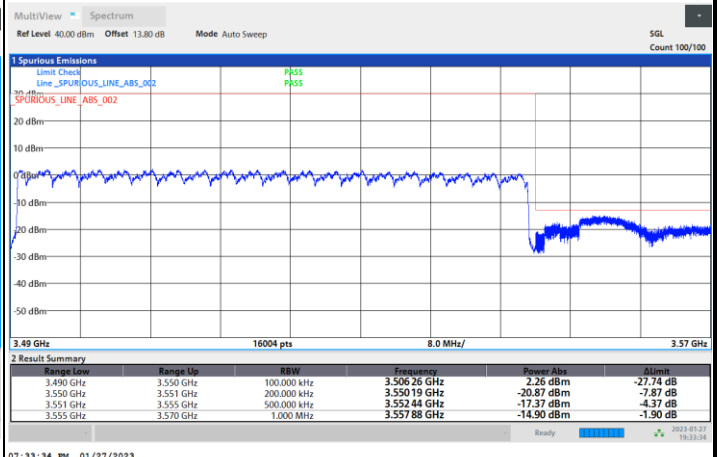


FR1 n77 / 60MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB



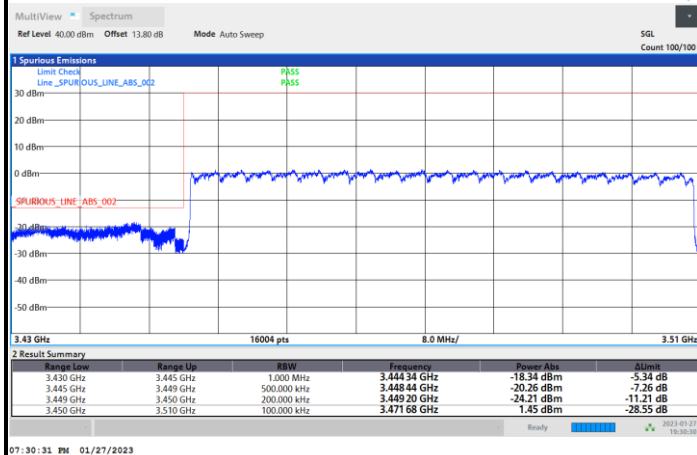
Highest Band Edge / Full RB



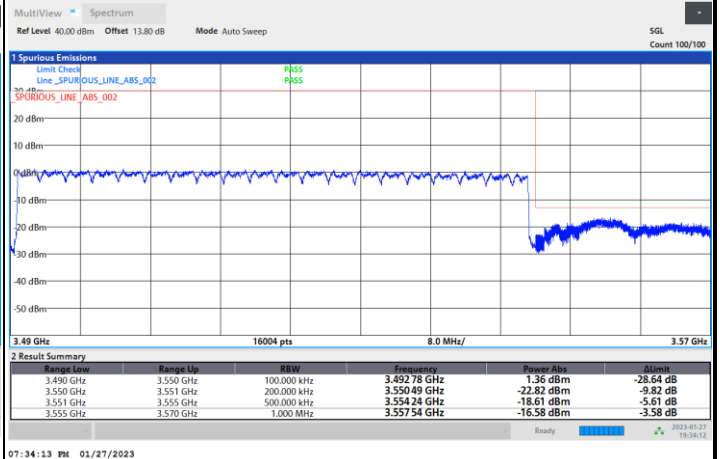


FR1 n77 / 60MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

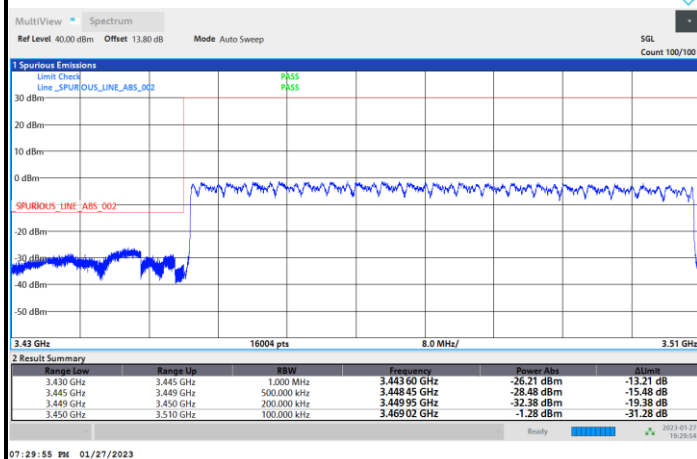


Highest Band Edge / Full RB

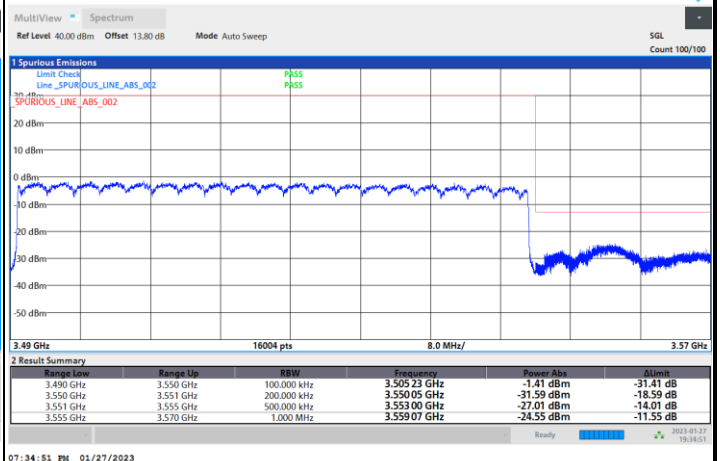


FR1 n77 / 60MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB



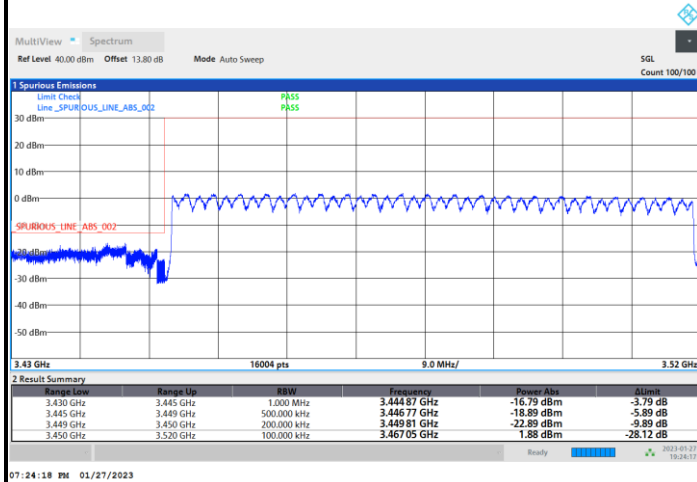
Highest Band Edge / Full RB



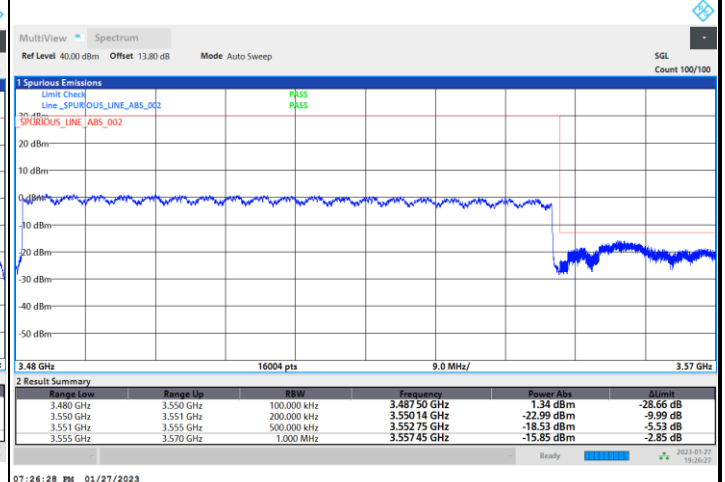


FR1 n77 / 70MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

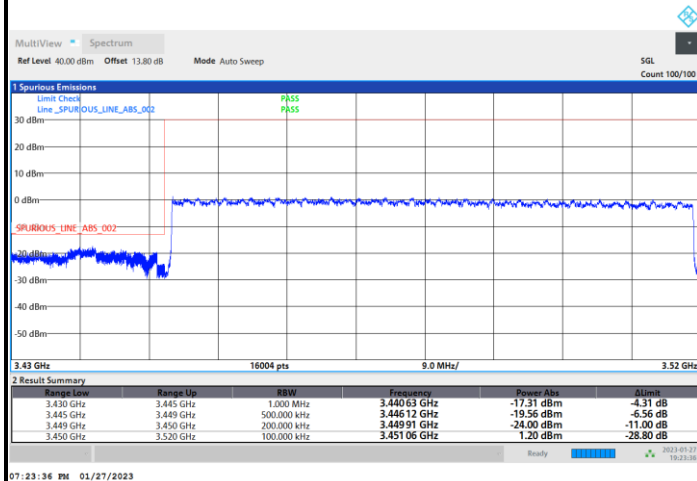


Highest Band Edge / Full RB

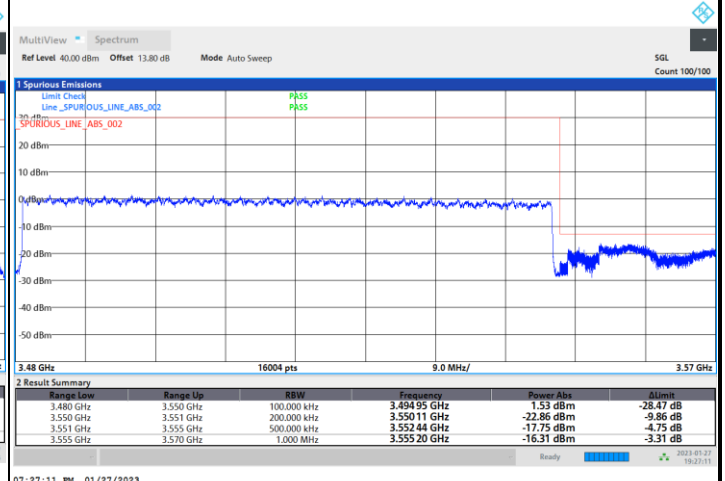


FR1 n77 / 70MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB



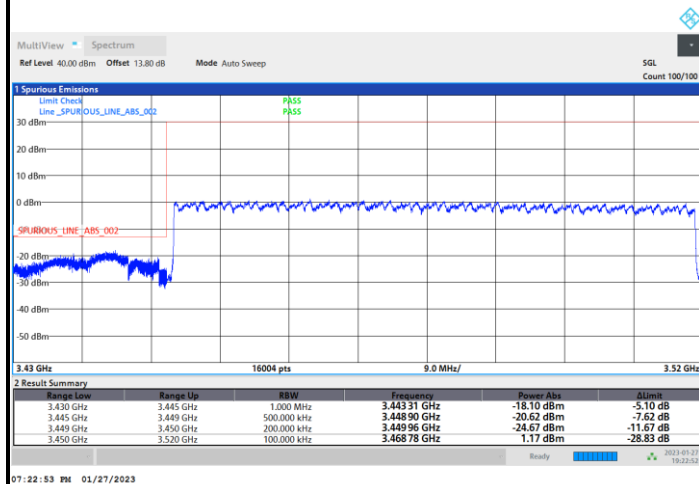
Highest Band Edge / Full RB



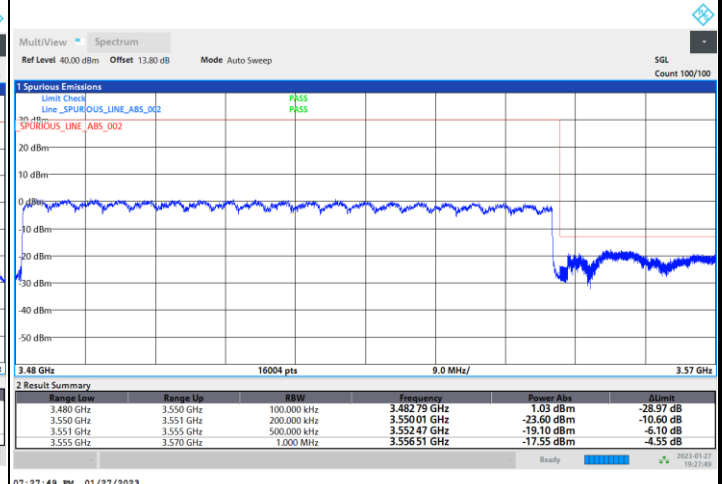


FR1 n77 / 70MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

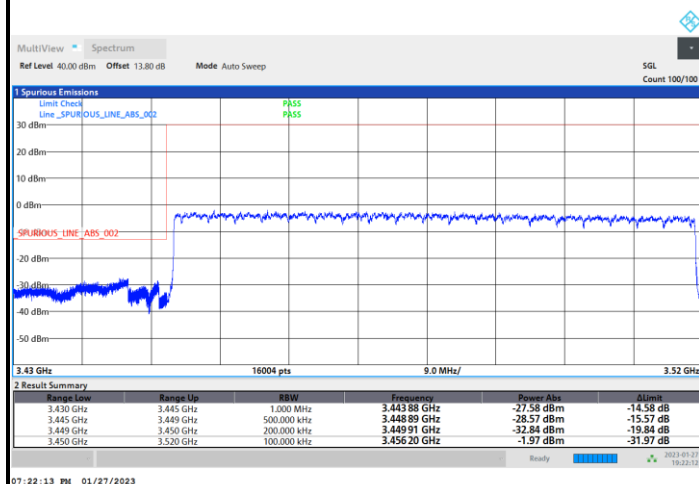


Highest Band Edge / Full RB

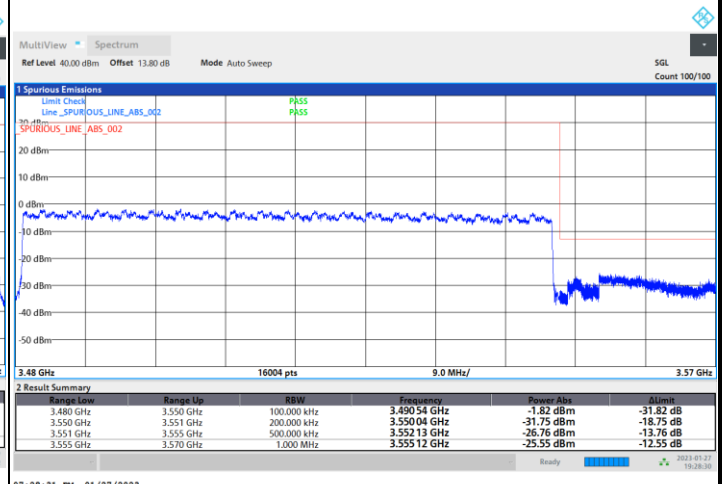


FR1 n77 / 70MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB



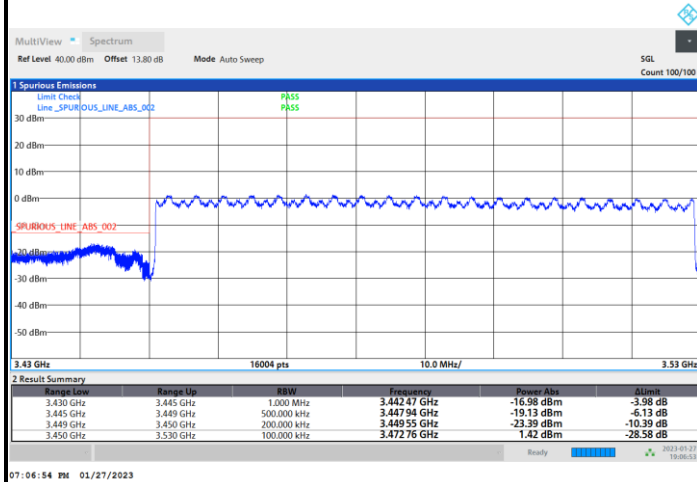
Highest Band Edge / Full RB



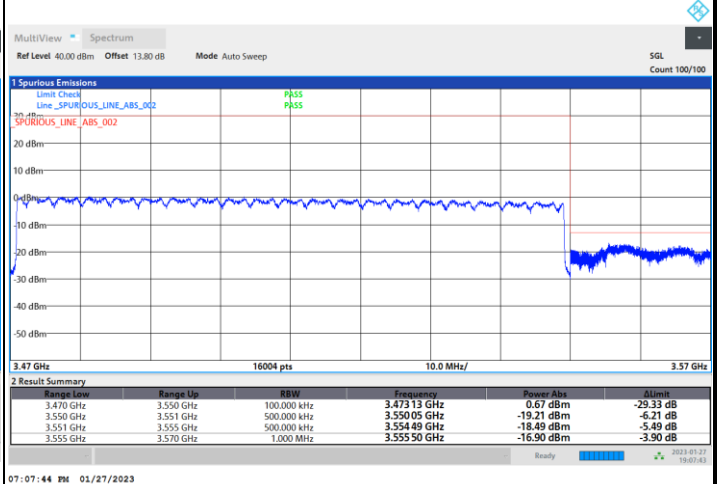


FR1 n77 / 80MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

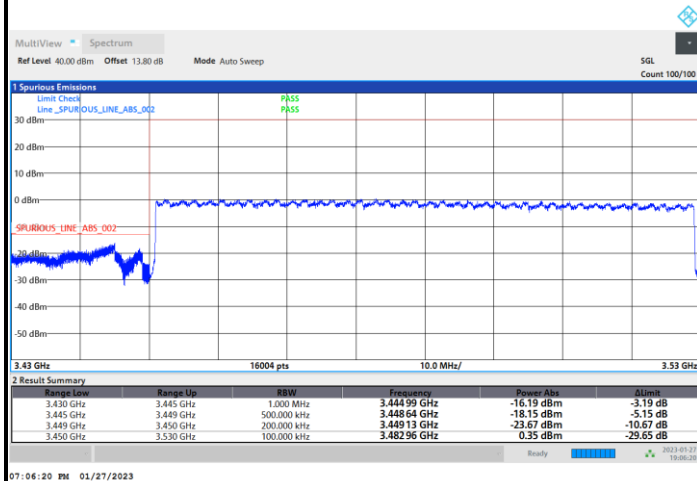


Highest Band Edge / Full RB

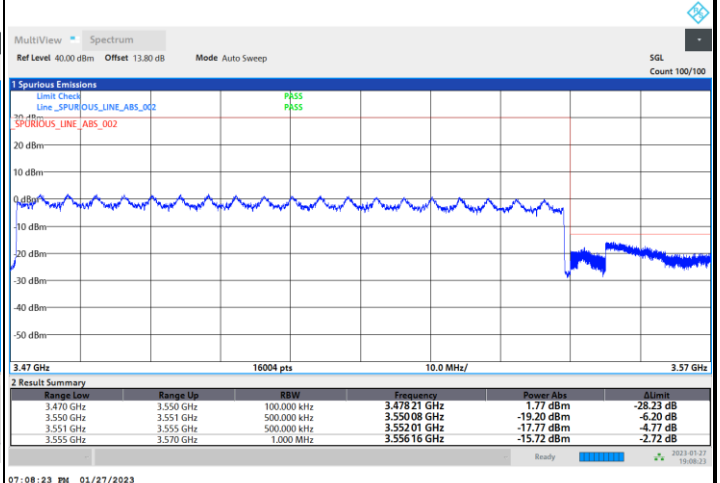


FR1 n77 / 80MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB



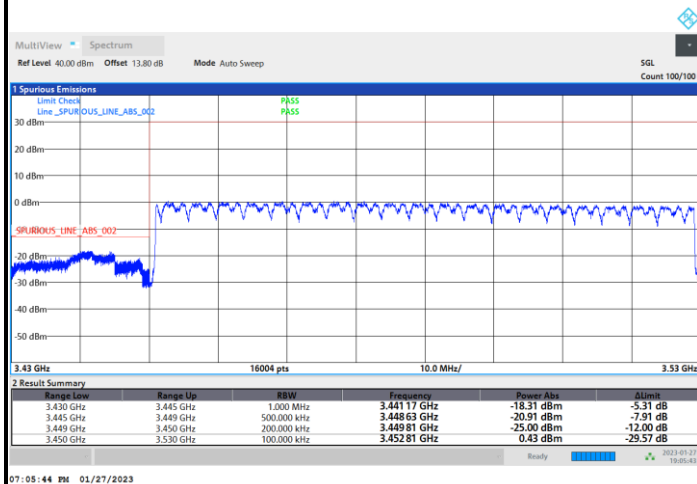
Highest Band Edge / Full RB



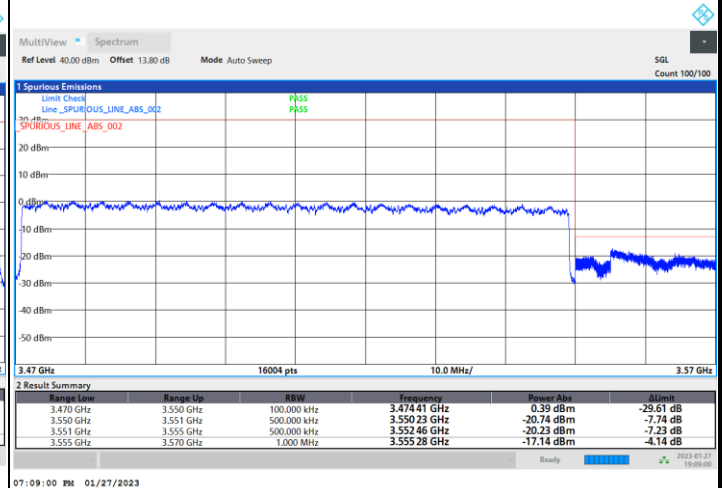


FR1 n77 / 80MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

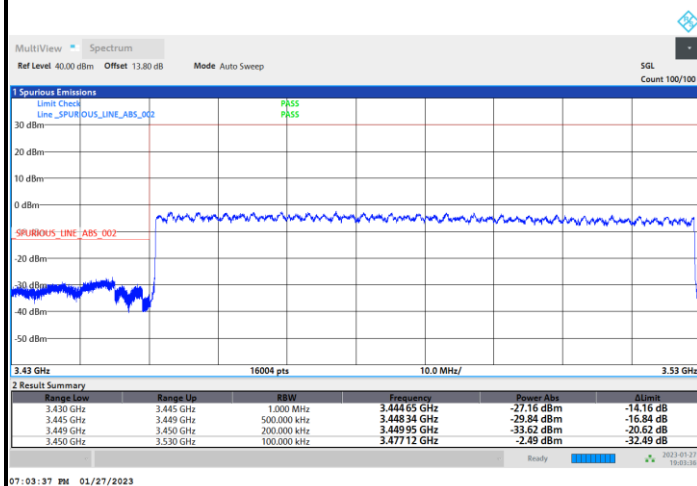


Highest Band Edge / Full RB

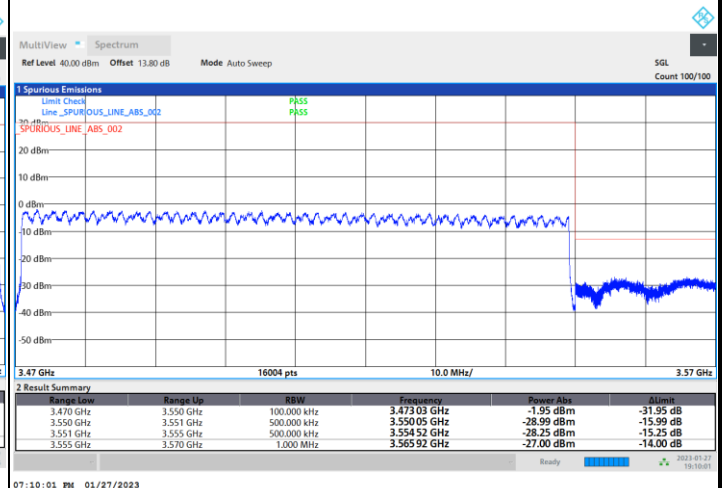


FR1 n77 / 80MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB



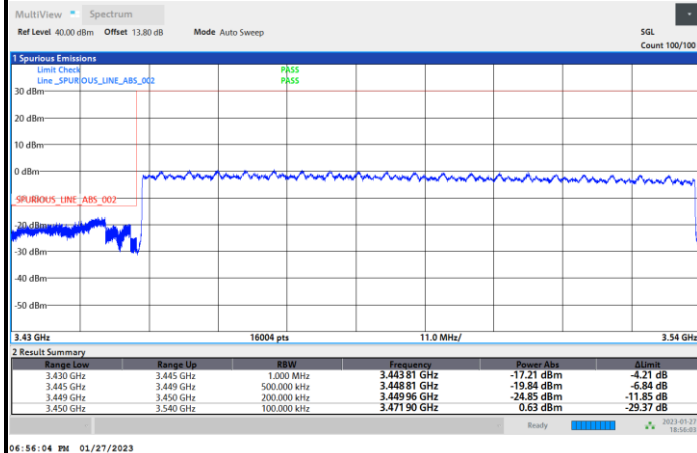
Highest Band Edge / Full RB



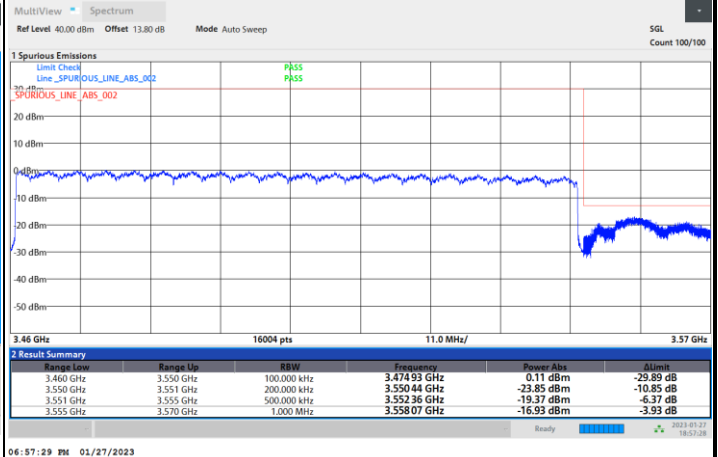


FR1 n77 / 90MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

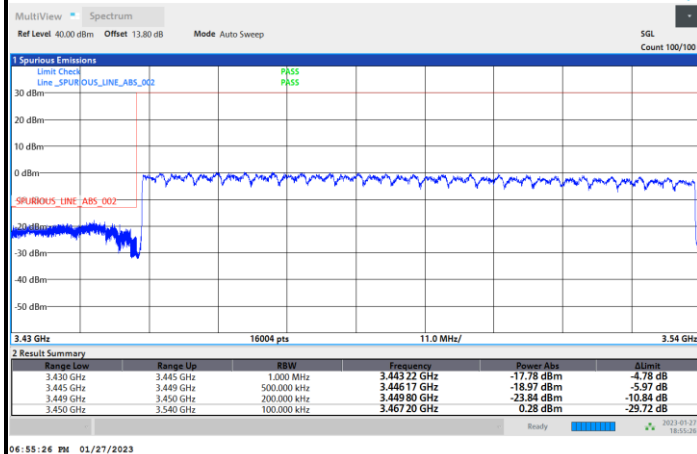


Highest Band Edge / Full RB

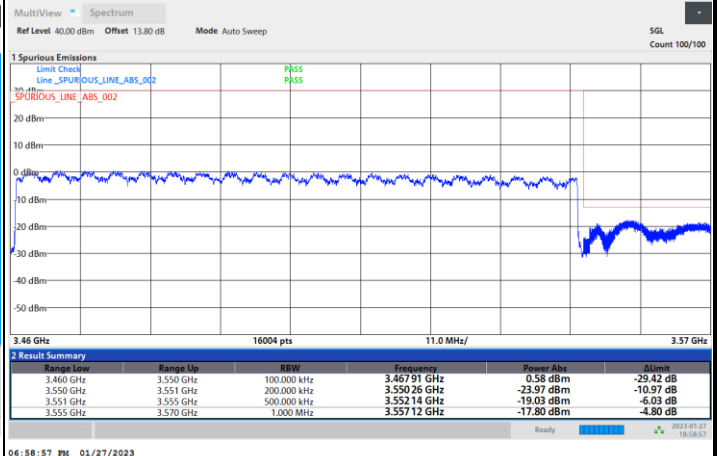


FR1 n77 / 90MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB



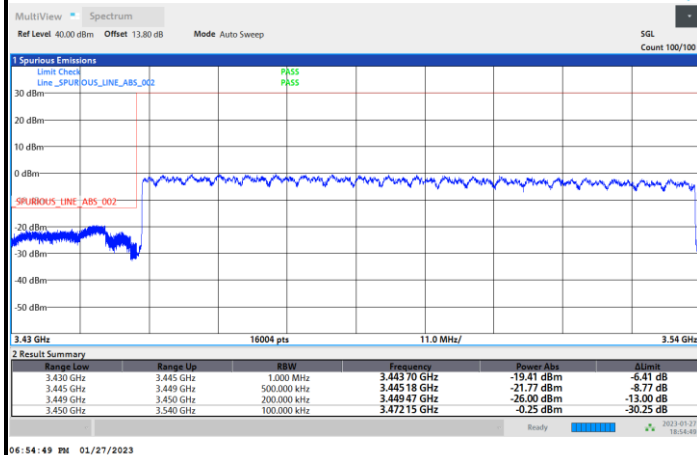
Highest Band Edge / Full RB



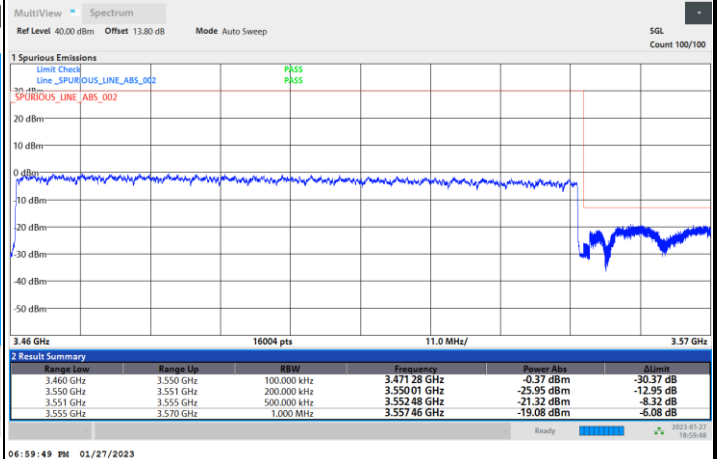


FR1 n77 / 90MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

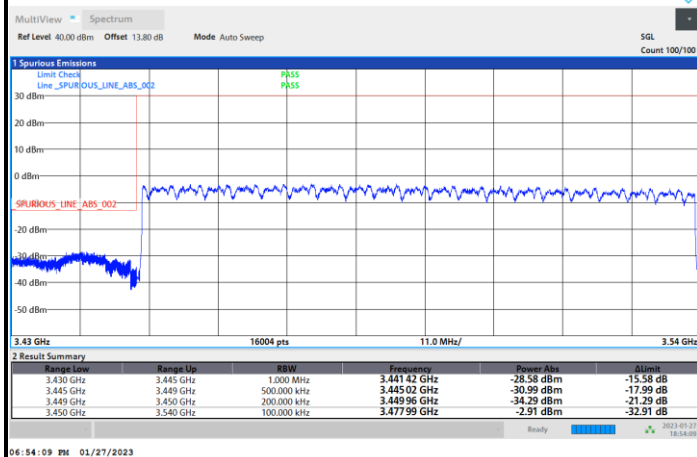


Highest Band Edge / Full RB

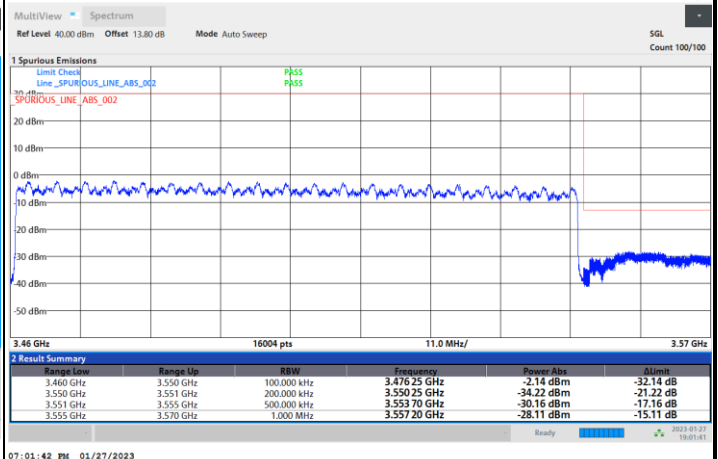


FR1 n77 / 90MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB



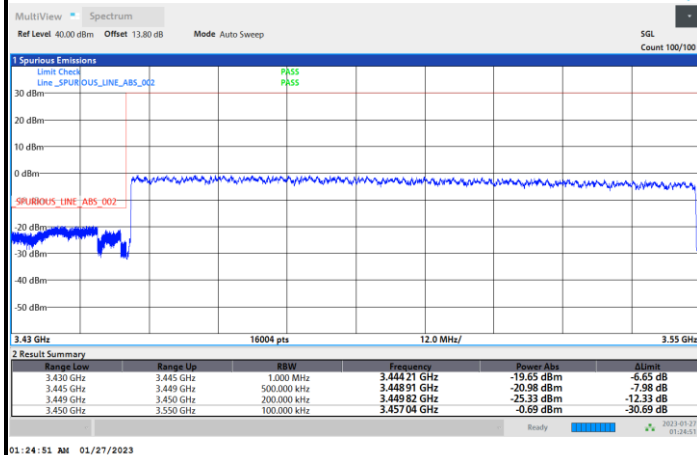
Highest Band Edge / Full RB



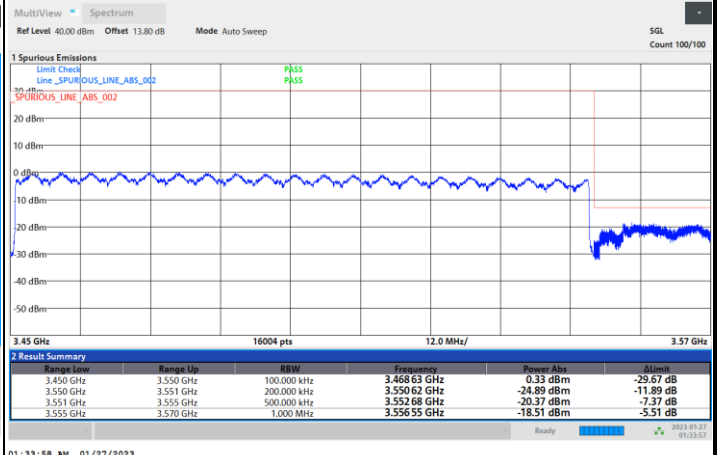


FR1 n77 / 100MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

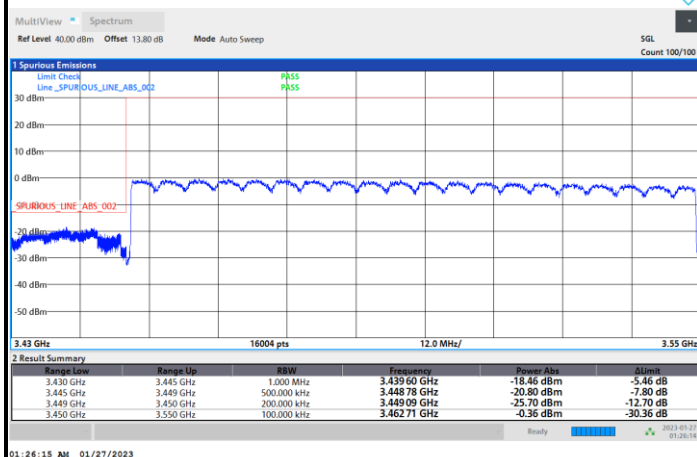


Highest Band Edge / Full RB

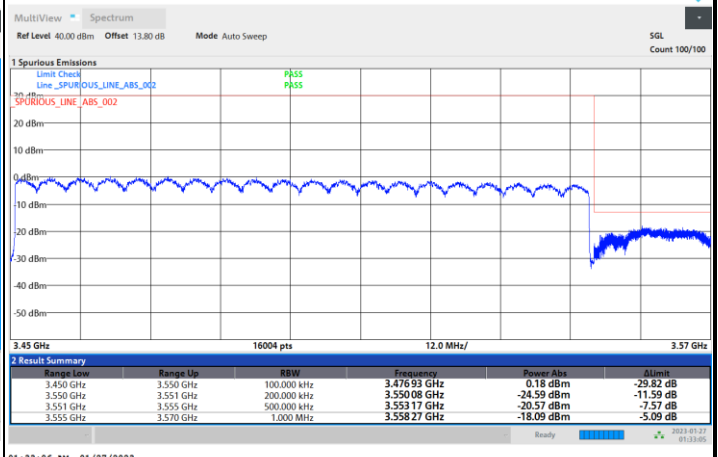


FR1 n77 / 100MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB



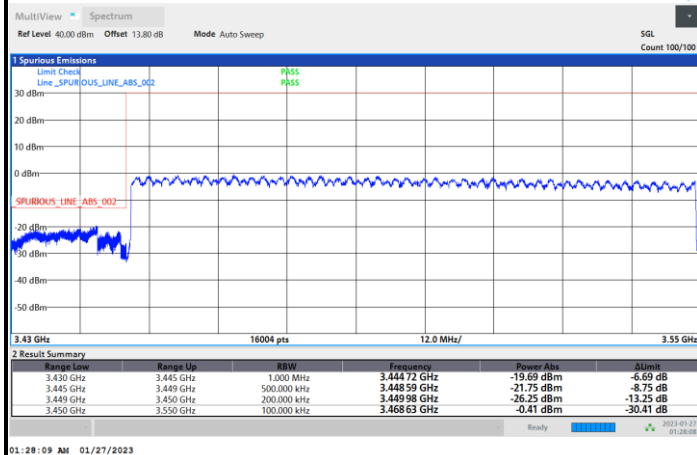
Highest Band Edge / Full RB



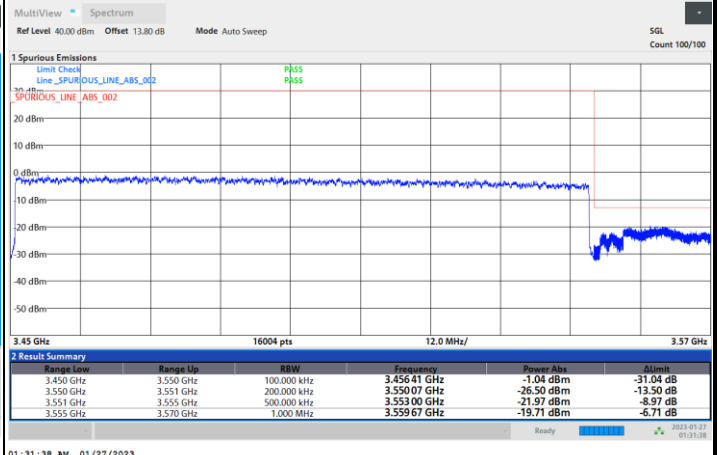


FR1 n77 / 100MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

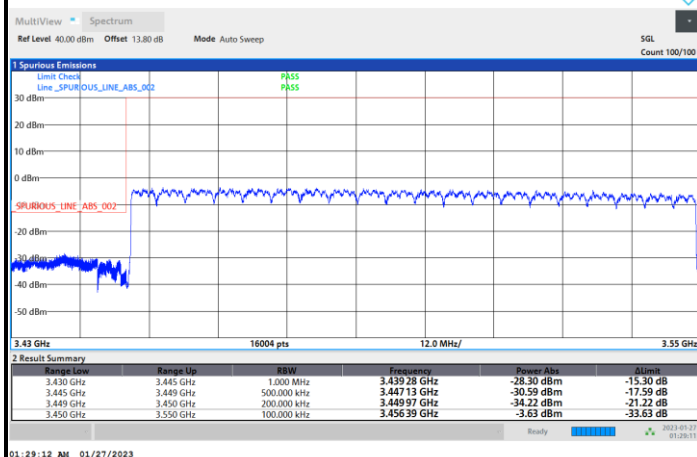


Highest Band Edge / Full RB

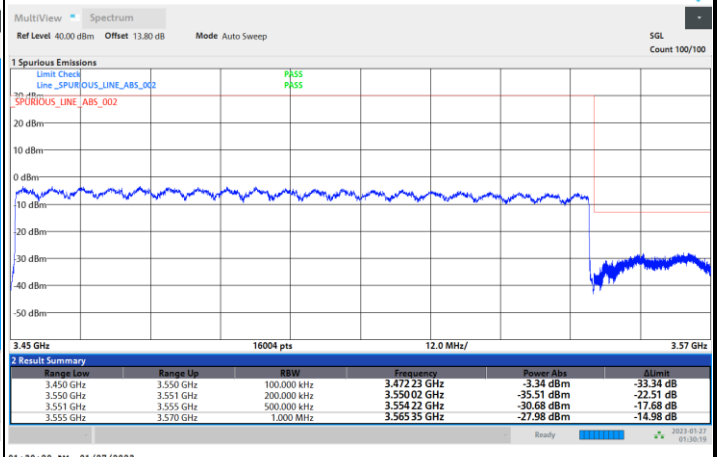


FR1 n77 / 100MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

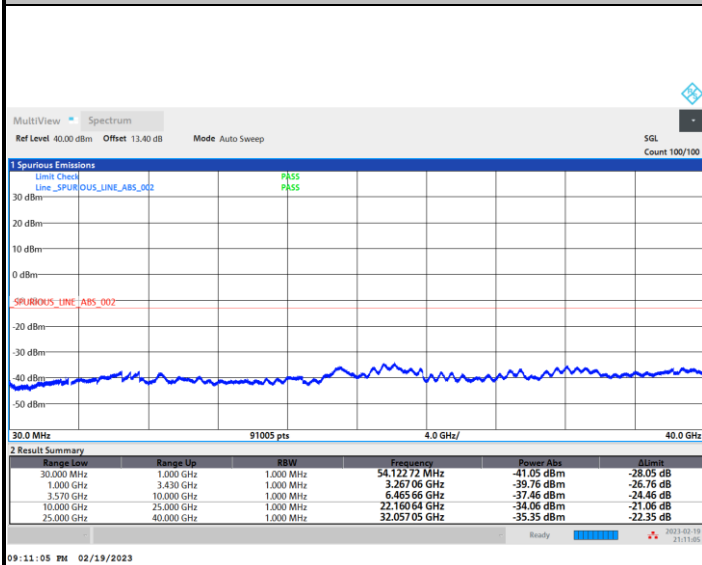




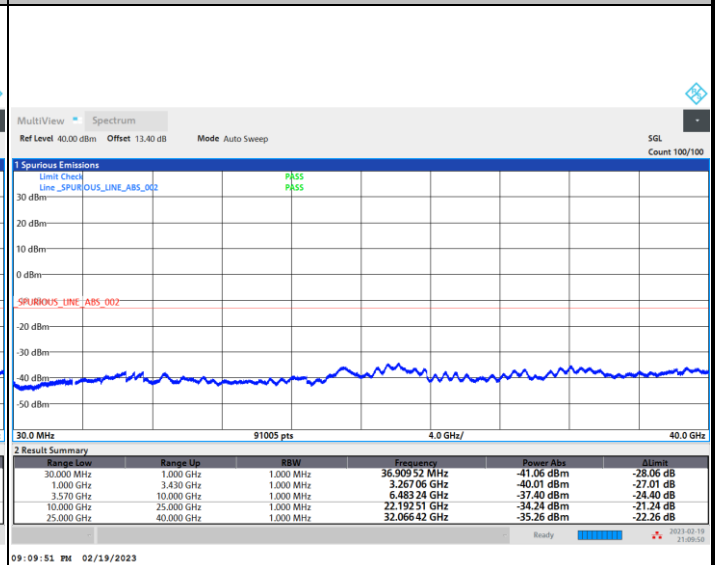
Conducted Spurious Emission

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

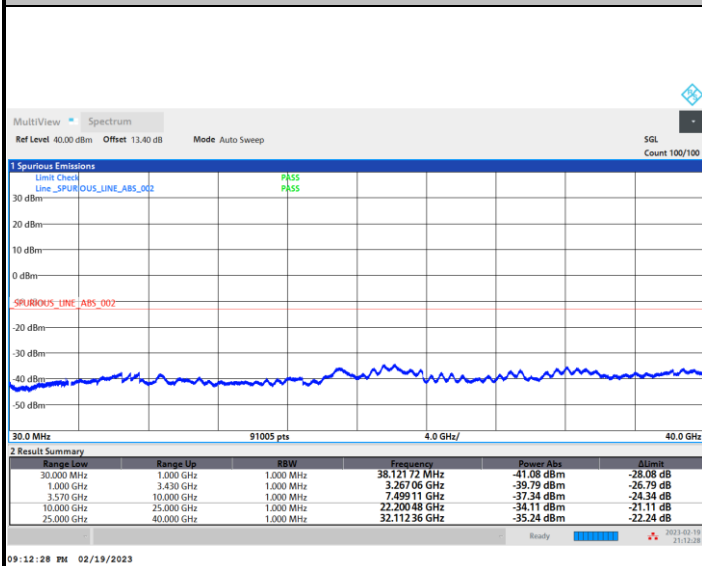
Lowest Channel



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	0.0010	PASS
40	Normal Voltage	0.0013	
30	Normal Voltage	0.0032	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0024	
0	Normal Voltage	0.0047	
-10	Normal Voltage	0.0033	
-20	Normal Voltage	0.0043	
-30	Normal Voltage	0.0036	
20	Maximum Voltage	0.0026	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0030	

Note:

1. Normal Voltage = 4.2 V. ; Battery End Point (BEP) = 3.4 V. ; Maximum Voltage = 4.3 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

<SISO Mode>

<OAI 2 Antenna>

5G NR n77 HPUE

5G NR n77_HPUE_HPUE / 10MHz / 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)
Lowest	6901	-41.95	-13	-28.95	-70.35	-50.15	1.84	12.20	H
	10352	-34.74	-13	-21.74	-69.54	-41.22	2.26	10.89	H
	13803	-30.75	-13	-17.75	-73.66	-38.52	2.63	12.56	H
	20704	-58.96	-13	-45.96	-69.86	-71.51	3.22	17.92	H
	24155	-58.48	-13	-45.48	-74.65	-71.04	3.78	18.49	H
	27606	-57.12	-13	-44.12	-76.21	-70.57	3.95	19.54	H
									H
	6901	-43.21	-13	-30.21	-72.12	-51.41	1.84	12.20	V
	10352	-34.83	-13	-21.83	-68.83	-41.31	2.26	10.89	V
	13803	-31.78	-13	-18.78	-73.65	-39.55	2.63	12.56	V
	20704	-50.06	-13	-37.06	-60.73	-62.61	3.22	17.92	V
	24155	-49.20	-13	-36.20	-65.01	-61.76	3.78	18.49	V
	27606	-57.42	-13	-44.42	-76.2	-70.87	3.95	19.54	V
									V



Middle	6991	-42.55	-13	-29.55	-71.06	-50.40	1.84	11.84	H
	10487	-28.62	-13	-15.62	-63.58	-35.03	2.25	10.81	H
	13983	-31.35	-13	-18.35	-73.52	-38.95	2.67	12.41	H
	20974	-60.54	-13	-47.54	-71.45	-72.96	3.24	17.81	H
	24470	-58.80	-13	-45.80	-75.79	-71.58	3.75	18.68	H
	27966	-58.28	-13	-45.28	-77.51	-71.85	3.97	19.69	H
									H
	6991	-43.41	-13	-30.41	-72.04	-51.26	1.84	11.84	V
	10487	-32.50	-13	-19.50	-66.89	-38.91	2.25	10.81	V
	13983	-32.19	-13	-19.19	-73.74	-39.79	2.67	12.41	V
	20974	-60.54	-13	-47.54	-71.45	-72.96	3.24	17.81	V
	24470	-58.80	-13	-45.80	-75.79	-71.58	3.75	18.68	V
	27966	-58.28	-13	-45.28	-77.51	-71.85	3.97	19.69	V
									V
Highest	7081	-42.12	-13	-29.12	-70.94	-49.73	1.84	11.60	H
	10622	-23.06	-13	-10.06	-58.29	-29.40	2.24	10.73	H
	14163	-31.35	-13	-18.35	-73.45	-38.85	2.65	12.30	H
	21244	-54.29	-13	-41.29	-65.96	-66.93	3.30	18.09	H
	24785	-59.43	-13	-46.43	-76.68	-72.09	3.72	18.53	H
	28326	-56.61	-13	-43.61	-76.09	-69.98	3.98	19.50	H
									H
	7081	-42.96	-13	-29.96	-71.99	-50.57	1.84	11.60	V
	10622	-29.42	-13	-16.42	-64.21	-35.76	2.24	10.73	V
	14163	-31.75	-13	-18.75	-73.63	-39.25	2.65	12.30	V
	21244	-45.41	-13	-32.41	-56.78	-58.05	3.30	18.09	V
	24785	-49.18	-13	-36.18	-66.11	-61.84	3.72	18.53	V
	28326	-56.24	-13	-43.24	-75.31	-69.61	3.98	19.50	V
									V

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



<OAI 4 Antenna>

5G NR n77 HPUE

5G NR n77_HPUE / 10MHz / 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)
Lowest	6901	-43.61	-13	-30.61	-72.01	-51.81	1.84	12.20	H
	10352	-36.97	-13	-23.97	-71.77	-43.45	2.26	10.89	H
	13803	-30.31	-13	-17.31	-73.22	-38.08	2.63	12.56	H
	20704	-63.35	-13	-50.35	-76.05	-75.90	3.22	17.92	H
	24155	-59.68	-13	-46.68	-76.46	-72.24	3.78	18.49	H
	27606	-57.52	-13	-44.52	-77.2	-70.97	3.95	19.54	H
									H
	6901	-43.18	-13	-30.18	-72.09	-51.38	1.84	12.20	V
	10352	-37.62	-13	-24.62	-71.62	-44.10	2.26	10.89	V
	13803	-31.20	-13	-18.20	-73.07	-38.97	2.63	12.56	V
	20704	-62.13	-13	-49.13	-74.6	-74.68	3.22	17.92	V
	24155	-60.34	-13	-47.34	-76.76	-72.90	3.78	18.49	V
	27606	-57.97	-13	-44.97	-77.34	-71.42	3.95	19.54	V
									V



Middle	6991	-43.11	-13	-30.11	-71.62	-50.96	1.84	11.84	H
	10487	-37.09	-13	-24.09	-72.05	-43.50	2.25	10.81	H
	13983	-30.77	-13	-17.77	-72.94	-38.37	2.67	12.41	H
	20974	-63.22	-13	-50.22	-75.93	-75.64	3.24	17.81	H
	24470	-59.41	-13	-46.41	-76.81	-72.19	3.75	18.68	H
	27966	-57.36	-13	-44.36	-76.83	-70.93	3.97	19.69	H
									H
	6991	-43.47	-13	-30.47	-72.1	-51.32	1.84	11.84	V
	10487	-37.77	-13	-24.77	-72.16	-44.18	2.25	10.81	V
	13983	-31.01	-13	-18.01	-72.56	-38.61	2.67	12.41	V
	20974	-63.26	-13	-50.26	-75.67	-75.68	3.24	17.81	V
	24470	-59.56	-13	-46.56	-76.66	-72.34	3.75	18.68	V
	27966	-57.95	-13	-44.95	-77.02	-71.52	3.97	19.69	V
									V
Highest	7081	-43.01	-13	-30.01	-71.83	-50.62	1.84	11.60	H
	10622	-37.37	-13	-24.37	-72.6	-43.71	2.24	10.73	H
	14163	-31.13	-13	-18.13	-73.23	-38.63	2.65	12.30	H
	21244	-62.55	-13	-49.55	-76.02	-75.19	3.30	18.09	H
	24785	-59.52	-13	-46.52	-77	-72.18	3.72	18.53	H
	28326	-56.75	-13	-43.75	-76.24	-70.12	3.98	19.50	H
									H
	7081	-42.96	-13	-29.96	-71.99	-50.57	1.84	11.60	V
	10622	-38.02	-13	-25.02	-72.81	-44.36	2.24	10.73	V
	14163	-30.63	-13	-17.63	-72.51	-38.13	2.65	12.30	V
	21244	-62.82	-13	-49.82	-75.99	-75.46	3.30	18.09	V
	24785	-60.00	-13	-47.00	-77.16	-72.66	3.72	18.53	V
	28326	-57.20	-13	-44.20	-76.28	-70.57	3.98	19.50	V
									V

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



<OA5 Antenna>

5G NR n77 HPUE

5G NR n77_HPUE / 10MHz / 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)
Lowest	6901	-41.98	-13	-28.98	-70.38	-50.18	1.84	12.20	H
	10352	-37.96	-13	-24.96	-72.76	-44.44	2.26	10.89	H
	13803	-30.51	-13	-17.51	-73.42	-38.28	2.63	12.56	H
	20704	-58.15	-13	-45.15	-69.05	-70.70	3.22	17.92	H
	24155	-55.12	-13	-42.12	-71.29	-67.68	3.78	18.49	H
	27606	-57.15 8	-13	-44.15	-76.24	-70.60	3.95	19.54	H
									H
	6901	-43.41	-13	-30.41	-72.32	-51.61	1.84	12.20	V
	10352	-38.67	-13	-25.67	-72.67	-45.15	2.26	10.89	V
	13803	-31.99	-13	-18.99	-73.86	-39.76	2.63	12.56	V
	20704	-46.67	-13	-33.67	-57.34	-59.22	3.22	17.92	V
	24155	-54.90	-13	-41.90	-70.71	-67.46	3.78	18.49	V
	27606	-57.22	-13	-44.22	-76	-70.67	3.95	19.54	V
									V



Middle	6991	-42.79	-13	-29.79	-71.3	-50.64	1.84	11.84	H
	10487	-36.33	-13	-23.33	-71.29	-42.74	2.25	10.81	H
	13983	-31.19	-13	-18.19	-73.36	-38.79	2.67	12.41	H
	20974	-58.09	-13	-45.09	-69	-70.51	3.24	17.81	H
	24470	-59.42	-13	-46.42	-76.41	-72.20	3.75	18.68	H
	27966	-57.76	-13	-44.76	-76.99	-71.33	3.97	19.69	H
									H
	6991	-42.47	-13	-29.47	-71.1	-50.32	1.84	11.84	V
	10487	-37.13	-13	-24.13	-71.52	-43.54	2.25	10.81	V
	13983	-31.67	-13	-18.67	-73.22	-39.27	2.67	12.41	V
	20974	-44.54	-13	-31.54	-55.15	-56.96	3.24	17.81	V
	24470	-50.45	-13	-37.45	-67.14	-63.23	3.75	18.68	V
	27966	-58.03	-13	-45.03	-76.86	-71.60	3.97	19.69	V
									V
Highest	7081	-43.42	-13	-30.42	-72.24	-51.03	1.84	11.60	H
	10622	-37.66	-13	-24.66	-72.89	-44.00	2.24	10.73	H
	14163	-31.06	-13	-18.06	-73.16	-38.56	2.65	12.30	H
	21244	-56.24	-13	-43.24	-67.91	-68.88	3.30	18.09	H
	24785	-59.19	-13	-46.19	-76.44	-71.85	3.72	18.53	H
	28326	-57.36	-13	-44.36	-76.84	-70.73	3.98	19.50	H
									H
	7081	-43.20	-13	-30.20	-72.23	-50.81	1.84	11.60	V
	10622	-38.09	-13	-25.09	-72.88	-44.43	2.24	10.73	V
	14163	-30.70	-13	-17.70	-72.58	-38.20	2.65	12.30	V
	21244	-43.05	-13	-30.05	-54.42	-55.69	3.30	18.09	V
	24785	-52.37	-13	-39.37	-69.3	-65.03	3.72	18.53	V
	28326	-57.70	-13	-44.70	-76.77	-71.07	3.98	19.50	V
									V

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



<OA6 Antenna>

5G NR n77 HPUE

5G NR n77_HPUE / 10MHz / 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)
Lowest	6901	-43.75	-13	-30.75	-72.15	-51.95	1.84	12.20	H
	10352	-43.75	-13	-30.75	-69.37	-50.23	2.26	10.89	H
	13803	-30.55	-13	-17.55	-73.46	-38.32	2.63	12.56	H
	20704	-53.78	-13	-40.78	-64.68	-66.33	3.22	17.92	H
	24155	-56.48	-13	-43.48	-72.65	-69.04	3.78	18.49	H
	27606	-57.23	-13	-44.23	-76.32	-70.68	3.95	19.54	H
									H
	6901	-43.75	-13	-30.75	-72.66	-51.95	1.84	12.20	V
	10352	-33.49	-13	-20.49	-67.49	-39.97	2.26	10.89	V
	13803	-31.80	-13	-18.80	-73.67	-39.57	2.63	12.56	V
	20704	-46.35	-13	-33.35	-57.02	-58.90	3.22	17.92	V
	24155	-47.06	-13	-34.06	-62.87	-59.62	3.78	18.49	V
	27606	-55.82	-13	-42.82	-74.6	-69.27	3.95	19.54	V
									V
Middle	6991	-43.87	-13	-30.87	-72.38	-51.72	1.84	11.84	H
	10487	-31.59	-13	-18.59	-66.55	-38.00	2.25	10.81	H
	13983	-31.54	-13	-18.54	-73.71	-39.14	2.67	12.41	H
	20974	-57.69	-13	-44.69	-68.6	-70.11	3.24	17.81	H
	24470	-52.58	-13	-39.58	-69.57	-65.36	3.75	18.68	H
	27966	-57.55	-13	-44.55	-76.78	-71.12	3.97	19.69	H
									H
	6991	-43.63	-13	-30.63	-72.26	-51.48	1.84	11.84	V
	10487	-32.30	-13	-19.30	-66.69	-38.71	2.25	10.81	V
	13983	-32.22	-13	-19.22	-73.77	-39.82	2.67	12.41	V
	20974	-42.68	-13	-29.68	-53.29	-55.10	3.24	17.81	V
	24470	-45.75	-13	-32.75	-62.44	-58.53	3.75	18.68	V
	27966	-58.47	-13	-45.47	-77.3	-72.04	3.97	19.69	V
									V



Highest	7081	-43.83	-13	-30.83	-72.65	-51.44	1.84	11.60	H
	10622	-31.94	-13	-18.94	-67.17	-38.28	2.24	10.73	H
	14163	-31.33	-13	-18.33	-73.43	-38.83	2.65	12.30	H
	21244	-54.36	-13	-41.36	-66.03	-67.00	3.30	18.09	H
	24785	-51.66	-13	-38.66	-68.91	-64.32	3.72	18.53	H
	28326	-57.32	-13	-44.32	-76.8	-70.69	3.98	19.50	H
									H
	7081	-42.48	-13	-29.48	-71.51	-50.09	1.84	11.60	V
	10622	-35.23	-13	-22.23	-70.02	-41.57	2.24	10.73	V
	14163	-31.52	-13	-18.52	-73.4	-39.02	2.65	12.30	V
	21244	-47.15	-13	-34.15	-58.52	-59.79	3.30	18.09	V
	24785	-41.26	-13	-28.26	-58.19	-53.92	3.72	18.53	V
	28326	-57.77	-13	-44.77	-76.84	-71.14	3.98	19.50	V
									V

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



<EA2 Antenna>

5G NR n77 HPUE

5G NR n77_HPUE / 10MHz / 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)
Lowest	6901	-43.03	-13	-30.03	-71.44	-51.23	1.84	12.20	H
	10352	-36.36	-13	-23.36	-71.16	-42.84	2.26	10.89	H
	13803	-30.55	-13	-17.55	-73.47	-38.32	2.63	12.56	H
	20704	-60.39	-13	-47.39	-71.29	-72.94	3.22	17.92	H
	24155	-59.37	-13	-46.37	-75.54	-71.93	3.78	18.49	H
	27606	-56.98	-13	-43.98	-76.07	-70.43	3.95	19.54	H
									H
	6901	-42.22	-13	-29.22	-71.13	-50.42	1.84	12.20	V
	10352	-36.26	-13	-23.26	-70.26	-42.74	2.26	10.89	V
	13803	-31.21	-13	-18.21	-73.09	-38.98	2.63	12.56	V
	20704	-62.43	-13	-49.43	-73.1	-74.98	3.22	17.92	V
	24155	-56.13	-13	-43.13	-71.94	-68.69	3.78	18.49	V
	27606	-56.69	-13	-43.69	-75.47	-70.14	3.95	19.54	V
									V
Middle	6991	-42.29	-13	-29.29	-70.8	-50.14	1.84	11.84	H
	10487	-32.32	-13	-19.32	-67.28	-38.73	2.25	10.81	H
	13983	-30.95	-13	-17.95	-73.13	-38.55	2.67	12.41	H
	20975	-61.89	-13	-48.89	-72.8	-74.31	3.24	17.81	H
	24470	-57.53	-13	-44.53	-74.52	-70.31	3.75	18.68	H
	27966	-57.86	-13	-44.86	-77.09	-71.43	3.97	19.69	H
									H
	6991	-41.14	-13	-28.14	-69.77	-48.99	1.84	11.84	V
	10487	-33.73	-13	-20.73	-68.12	-40.14	2.25	10.81	V
	13983	-31.67	-13	-18.67	-73.23	-39.27	2.67	12.41	V
	20975	-51.30	-13	-38.30	-61.91	-63.72	3.24	17.81	V
	24470	-55.36	-13	-42.36	-72.05	-68.14	3.75	18.68	V
	27966	-58.13	-13	-45.13	-76.96	-71.70	3.97	19.69	V
									V



Highest	7081	-41.92	-13	-28.92	-70.74	-49.53	1.84	11.60	H
	10622	-30.14	-13	-17.14	-65.37	-36.48	2.24	10.73	H
	14163	-30.93	-13	-17.93	-73.03	-38.43	2.65	12.30	H
	21245	-61.41	-13	-48.41	-73.08	-74.05	3.30	18.09	H
	24785	-59.14	-13	-46.14	-76.39	-71.80	3.72	18.53	H
	28326	-56.97	-13	-43.97	-76.45	-70.34	3.98	19.50	H
									H
	7081	-42.04	-13	-29.04	-71.07	-49.65	1.84	11.60	V
	10622	-31.26	-13	-18.26	-66.05	-37.60	2.24	10.73	V
	14163	-31.39	-13	-18.39	-73.26	-38.89	2.65	12.30	V
	21245	-53.85	-13	-40.85	-65.22	-66.49	3.30	18.09	V
	24785	-57.99	-13	-44.99	-74.92	-70.65	3.72	18.53	V
	28326	-57.23	-13	-44.23	-76.3	-70.60	3.98	19.50	V
									V

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



<EA4 Antenna>

5G NR n77 HPUE

5G NR n77_HPUE / 10MHz / 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)
Lowest	6901	-44.18	-13	-31.18	-72.58	-52.38	1.84	12.20	H
	10352	-37.92	-13	-24.92	-72.72	-44.40	2.26	10.89	H
	13803	-30.42	-13	-17.42	-73.33	-38.19	2.63	12.56	H
	20704	-63.95	-13	-50.95	-76.65	-76.50	3.22	17.92	H
	24155	-60.43	-13	-47.43	-77.21	-72.99	3.78	18.49	H
	27606	-57.36	-13	-44.36	-77.04	-70.81	3.95	19.54	H
									H
	6901	-44.08	-13	-31.08	-72.99	-52.28	1.84	12.20	V
	10352	-38.33	-13	-25.33	-72.33	-44.81	2.26	10.89	V
	13803	-31.77	-13	-18.77	-73.64	-39.54	2.63	12.56	V
	20704	-64.35	-13	-51.35	-76.82	-76.90	3.22	17.92	V
	24155	-60.70	-13	-47.70	-77.12	-73.26	3.78	18.49	V
	27606	-58.15	-13	-45.15	-77.52	-71.60	3.95	19.54	V
									V
Middle	6991	-43.57	-13	-30.57	-72.08	-51.42	1.84	11.84	H
	10487	-37.62	-13	-24.62	-72.58	-44.03	2.25	10.81	H
	13983	-31.16	-13	-18.16	-73.33	-38.76	2.67	12.41	H
	20974	-64.13	-13	-51.13	-76.84	-76.55	3.24	17.81	H
	24470	-59.79	-13	-46.79	-77.19	-72.57	3.75	18.68	H
	27966	-57.30	-13	-44.30	-76.77	-70.87	3.97	19.69	H
									H
	6991	-43.72	-13	-30.72	-72.25	-51.57	1.84	11.84	V
	10487	-38.38	-13	-25.38	-72.77	-44.79	2.25	10.81	V
	13983	-31.80	-13	-18.80	-73.35	-39.40	2.67	12.41	V
	20974	-63.77	-13	-50.77	-76.18	-76.19	3.24	17.81	V
	24470	-59.83	-13	-46.83	-76.93	-72.61	3.75	18.68	V
	27966	-57.42	-13	-44.42	-76.49	-70.99	3.97	19.69	V
									V



Highest	7081	-43.65	-13	-30.65	-72.47	-51.26	1.84	11.60	H
	10622	-37.76	-13	-24.76	-72.99	-44.10	2.24	10.73	H
	14163	-31.10	-13	-18.10	-73.2	-38.60	2.65	12.30	H
	21244	-63.49	-13	-50.49	-76.96	-76.13	3.30	18.09	H
	24785	-60.02	-13	-47.02	-77.5	-72.68	3.72	18.53	H
	28326	-56.83	-13	-43.83	-76.32	-70.20	3.98	19.50	H
									H
	7081	-42.98	-13	-29.98	-72.01	-50.59	1.84	11.60	V
	10622	-38.17	-13	-25.17	-72.96	-44.51	2.24	10.73	V
	14163	-31.59	-13	-18.59	-73.47	-39.09	2.65	12.30	V
	21244	-62.81	-13	-49.81	-75.98	-75.45	3.30	18.09	V
	24785	-59.79	-13	-46.79	-76.95	-72.45	3.72	18.53	V
	28326	-57.32	-13	-44.32	-76.4	-70.69	3.98	19.50	V
									V

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



<EA1_5 Antenna>

5G NR n77 HPUE

5G NR n77_HPUE / 10MHz / 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)
Lowest	6901	-44.15	-13	-31.15	-72.56	-52.35	1.84	12.20	H
	10352	-37.94	-13	-24.94	-72.74	-44.42	2.26	10.89	H
	13803	-30.25	-13	-17.25	-73.17	-38.02	2.63	12.56	H
	20704	-57.24	-13	-44.24	-68.14	-69.79	3.22	17.92	H
	24155	-59.50	-13	-46.50	-75.67	-72.06	3.78	18.49	H
	27606	-56.85	-13	-43.85	-75.94	-70.30	3.95	19.54	H
									H
	6901	-43.61	-13	-30.61	-72.52	-51.81	1.84	12.20	V
	10352	-38.64	-13	-25.64	-72.64	-45.12	2.26	10.89	V
	13803	-31.40	-13	-18.40	-73.28	-39.17	2.63	12.56	V
	20704	-47.11	-13	-34.11	-57.78	-59.66	3.22	17.92	V
	24155	-59.51	-13	-46.51	-75.32	-72.07	3.78	18.49	V
	27606	-57.19	-13	-44.19	-75.97	-70.64	3.95	19.54	V
									V
Middle	6991	-43.43	-13	-30.43	-71.94	-51.28	1.84	11.84	H
	10487	-36.85	-13	-23.85	-71.81	-43.26	2.25	10.81	H
	13983	-31.28	-13	-18.28	-73.46	-38.88	2.67	12.41	H
	20974	-59.43	-13	-46.43	-70.34	-71.85	3.24	17.81	H
	24470	-57.13	-13	-44.13	-74.12	-69.91	3.75	18.68	H
	27966	-57.69	-13	-44.69	-76.92	-71.26	3.97	19.69	H
									H
	6991	-43.31	-13	-30.31	-71.94	-51.16	1.84	11.84	V
	10487	-37.88	-13	-24.88	-72.27	-44.29	2.25	10.81	V
	13983	-32.24	-13	-19.24	-73.8	-39.84	2.67	12.41	V
	20974	-50.51	-13	-37.51	-61.12	-62.93	3.24	17.81	V
	24470	-53.27	-13	-40.27	-69.96	-66.05	3.75	18.68	V
	27966	-57.81	-13	-44.81	-76.64	-71.38	3.97	19.69	V
									V



Highest	7081	-43.66	-13	-30.66	-72.48	-51.27	1.84	11.60	H
	10622	-37.43	-13	-24.43	-72.66	-43.77	2.24	10.73	H
	14163	-30.91	-13	-17.91	-73.01	-38.41	2.65	12.30	H
	21245	-61.37	-13	-48.37	-73.04	-74.01	3.30	18.09	H
	24785	-59.37	-13	-46.37	-76.62	-72.03	3.72	18.53	H
	28326	-56.85	-13	-43.85	-76.33	-70.22	3.98	19.50	H
									H
	7081	-43.44	-13	-30.44	-72.47	-51.05	1.84	11.60	V
	10622	-38.23	-13	-25.23	-73.01	-44.57	2.24	10.73	V
	14163	-30.69	-13	-17.69	-72.56	-38.19	2.65	12.30	V
	21244	-49.97	-13	-36.97	-61.34	-62.61	3.30	18.09	V
	24785	-59.13	-13	-46.13	-76.06	-71.79	3.72	18.53	V
	28326	-57.32	-13	-44.32	-76.39	-70.69	3.98	19.50	V
									V

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



<EA3_6 Antenna>

5G NR n77 HPUE

5G NR n77_HPUE / 10MHz / 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)
Lowest	6901	-43.83	-13	-30.83	-72.24	-52.03	1.84	12.20	H
	10352	-33.09	-13	-20.09	-67.89	-39.57	2.26	10.89	H
	13803	-30.29	-13	-17.29	-73.21	-38.06	2.63	12.56	H
	20704	-58.86	-13	-45.86	-69.76	-71.41	3.22	17.92	H
	24155	-59.15	-13	-46.15	-75.32	-71.71	3.78	18.49	H
	27606	-56.95	-13	-43.95	-76.04	-70.40	3.95	19.54	H
									H
	6901	-43.48	-13	-30.48	-72.39	-51.68	1.84	12.20	V
	10352	-31.36	-13	-18.36	-65.36	-37.84	2.26	10.89	V
	13803	-31.20	-13	-18.20	-73.08	-38.97	2.63	12.56	V
	20704	-52.20	-13	-39.20	-62.87	-64.75	3.22	17.92	V
	24155	-53.36	-13	-40.36	-69.17	-65.92	3.78	18.49	V
	27606	-57.18	-13	-44.18	-75.96	-70.63	3.95	19.54	V
									V
Middle	6991	-43.83	-13	-30.83	-72.34	-51.68	1.84	11.84	H
	10487	-34.35	-13	-21.35	-69.31	-40.76	2.25	10.81	H
	13983	-31.18	-13	-18.18	-73.36	-38.78	2.67	12.41	H
	20975	-61.91	-13	-48.91	-72.82	-74.33	3.24	17.81	H
	24470	-59.20	-13	-46.20	-76.19	-71.98	3.75	18.68	H
	27966	-57.61	-13	-44.61	-76.84	-71.18	3.97	19.69	H
									H
	6991	-43.41	-13	-30.41	-72.04	-51.26	1.84	11.84	V
	10487	-31.04	-13	-18.04	-65.43	-37.45	2.25	10.81	V
	13983	-31.50	-13	-18.50	-73.06	-39.10	2.67	12.41	V
	20975	-51.66	-13	-38.66	-62.27	-64.08	3.24	17.81	V
	24470	-50.57	-13	-37.57	-67.26	-63.35	3.75	18.68	V
	27966	-58.25	-13	-45.25	-77.08	-71.82	3.97	19.69	V
									V



Highest	7081	-43.69	-13	-30.69	-72.51	-51.30	1.84	11.60	H
	10622	-34.93	-13	-21.93	-70.16	-41.27	2.24	10.73	H
	14163	-30.46	-13	-17.46	-72.56	-37.96	2.65	12.30	H
	21245	-60.58	-13	-47.58	-72.25	-73.22	3.30	18.09	H
	24785	-59.17	-13	-46.17	-76.42	-71.83	3.72	18.53	H
	28326	-56.80	-13	-43.80	-76.28	-70.17	3.98	19.50	H
									H
	7081	-43.26	-13	-30.26	-72.29	-50.87	1.84	11.60	V
	10622	-33.21	-13	-20.21	-68	-39.55	2.24	10.73	V
	14163	-31.61	-13	-18.61	-73.48	-39.11	2.65	12.30	V
	21245	-56.53	-13	-43.53	-67.9	-69.17	3.30	18.09	V
	24785	-53.83	-13	-40.83	-70.76	-66.49	3.72	18.53	V
	28326	-56.82	-13	-43.82	-75.89	-70.19	3.98	19.50	V
									V

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



<DA2 Antenna>

5G NR n77 HPUE

5G NR n77 HPUE / 10MHz / 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)
Lowest	6901	-44.34	-13	-31.34	-72.74	-52.54	1.84	12.20	H
	10352	-36.94	-13	-23.94	-71.74	-43.42	2.26	10.89	H
	13803	-30.54	-13	-17.54	-73.45	-38.31	2.63	12.56	H
	20704	-63.56	-13	-50.56	-76.26	-76.11	3.22	17.92	H
	24155	-60.42	-13	-47.42	-77.2	-72.98	3.78	18.49	H
	27606	-57.13	-13	-44.13	-76.81	-70.58	3.95	19.54	H
									H
	6901	-44.00	-13	-31.00	-72.91	-52.20	1.84	12.20	V
	10352	-37.78	-13	-24.78	-71.78	-44.26	2.26	10.89	V
	13803	-31.69	-13	-18.69	-73.56	-39.46	2.63	12.56	V
	20704	-59.11	-13	-46.11	-71.58	-71.66	3.22	17.92	V
	24155	-59.83	-13	-46.83	-76.25	-72.39	3.78	18.49	V
	27606	-57.29	-13	-44.29	-76.66	-70.74	3.95	19.54	V
									V
Middle	6991	-44.04	-13	-31.04	-72.55	-51.89	1.84	11.84	H
	10487	-37.32	-13	-24.32	-72.28	-43.73	2.25	10.81	H
	13983	-31.40	-13	-18.40	-73.57	-39.00	2.67	12.41	H
	20974	-63.67	-13	-50.67	-76.38	-76.09	3.24	17.81	H
	24470	-59.82	-13	-46.82	-77.22	-72.60	3.75	18.68	H
	27966	-57.20	-13	-44.20	-76.67	-70.77	3.97	19.69	H
									H
	6991	-43.71	-13	-30.71	-72.34	-51.56	1.84	11.84	V
	10487	-37.71	-13	-24.71	-72.1	-44.12	2.25	10.81	V
	13983	-31.67	-13	-18.67	-73.22	-39.27	2.67	12.41	V
	20974	-61.84	-13	-48.84	-74.25	-74.26	3.24	17.81	V
	24470	-59.14	-13	-46.14	-76.24	-71.92	3.75	18.68	V
	27966	-56.84	-13	-43.84	-75.91	-70.41	3.97	19.69	V
									V



Highest	7081	-43.33	-13	-30.33	-72.15	-50.94	1.84	11.60	H
	10622	-37.76	-13	-24.76	-72.99	-44.10	2.24	10.73	H
	14163	-30.84	-13	-17.84	-72.94	-38.34	2.65	12.30	H
	21244	-63.51	-13	-50.51	-76.98	-76.15	3.30	18.09	H
	24785	-60.16	-13	-47.16	-77.64	-72.82	3.72	18.53	H
	28326	-57.06	-13	-44.06	-76.55	-70.43	3.98	19.50	H
									H
	7081	-43.14	-13	-30.14	-72.17	-50.75	1.84	11.60	V
	10622	-38.22	-13	-25.22	-73.01	-44.56	2.24	10.73	V
	14163	-31.38	-13	-18.38	-73.16	-38.88	2.65	12.30	V
	21244	-57.34	-13	-44.34	-70.51	-69.98	3.30	18.09	V
	24785	-59.94	-13	-46.94	-77.1	-72.60	3.72	18.53	V
	28326	-57.05	-13	-44.05	-76.13	-70.42	3.98	19.50	V
									V

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



<DA4 Antenna>

5G NR n77 HPUE

5G NR n77 HPUE / 10MHz / 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)
Lowest	6901	-43.26	-13	-30.26	-71.66	-51.46	1.84	12.20	H
	10352	-36.93	-13	-23.93	-71.73	-43.41	2.26	10.89	H
	13803	-29.65	-13	-16.65	-72.56	-37.42	2.63	12.56	H
	20704	-62.93	-13	-49.93	-75.63	-75.48	3.22	17.92	H
	24155	-59.98	-13	-46.98	-76.76	-72.54	3.78	18.49	H
	27606	-57.38	-13	-44.38	-77.06	-70.83	3.95	19.54	H
									H
	6901	-43.35	-13	-30.35	-72.26	-51.55	1.84	12.20	V
	10352	-38.13	-13	-25.13	-72.13	-44.61	2.26	10.89	V
	13803	-31.30	-13	-18.30	-73.17	-39.07	2.63	12.56	V
	20704	-63.49	-13	-50.49	-75.96	-76.04	3.22	17.92	V
	24155	-60.65	-13	-47.65	-77.07	-73.21	3.78	18.49	V
	27606	-58.22	-13	-45.22	-77.59	-71.67	3.95	19.54	V
									V
Middle	6991	-43.78	-13	-30.78	-72.29	-51.63	1.84	11.84	H
	10487	-37.19	-13	-24.19	-72.15	-43.60	2.25	10.81	H
	13983	-30.38	-13	-17.38	-72.55	-37.98	2.67	12.41	H
	20974	-63.37	-13	-50.37	-76.08	-75.79	3.24	17.81	H
	24470	-59.61	-13	-46.61	-77.01	-72.39	3.75	18.68	H
	27966	-57.34	-13	-44.34	-76.81	-70.91	3.97	19.69	H
									H
	6991	-43.54	-13	-30.54	-72.17	-51.39	1.84	11.84	V
	10487	-37.90	-13	-24.90	-72.29	-44.31	2.25	10.81	V
	13983	-31.56	-13	-18.56	-73.11	-39.16	2.67	12.41	V
	20974	-63.78	-13	-50.78	-76.19	-76.20	3.24	17.81	V
	24470	-59.69	-13	-46.69	-76.79	-72.47	3.75	18.68	V
	27966	-57.70	-13	-44.70	-76.77	-71.27	3.97	19.69	V
									V



Highest	7081	-43.28	-13	-30.28	-72.1	-50.89	1.84	11.60	H
	10622	-37.58	-13	-24.58	-72.81	-43.92	2.24	10.73	H
	14163	-30.98	-13	-17.98	-73.08	-38.48	2.65	12.30	H
	21244	-62.94	-13	-49.94	-76.41	-75.58	3.30	18.09	H
	24785	-60.04	-13	-47.04	-77.52	-72.70	3.72	18.53	H
	28326	-56.77	-13	-43.77	-76.26	-70.14	3.98	19.50	H
									H
	7081	-43.16	-13	-30.16	-72.19	-50.77	1.84	11.60	V
	10622	-37.63	-13	-24.63	-72.42	-43.97	2.24	10.73	V
	14163	-31.10	-13	-18.10	-72.98	-38.60	2.65	12.30	V
	21244	-63.16	-13	-50.16	-76.33	-75.80	3.30	18.09	V
	24785	-60.36	-13	-47.36	-77.52	-73.02	3.72	18.53	V
	28326	-57.33	-13	-44.33	-76.41	-70.70	3.98	19.50	V
									V

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



MIMO <OAI 4 Antenna + OAI 2 Antenna>

5G NR n77 HPUE

5G NR n77_HPUE / 10MHz / 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	6901	-44.13	-13	-31.13	-72.53	-52.33	1.84	12.20	H
	10352	-37.06	-13	-24.06	-71.86	-43.54	2.26	10.89	H
	13803	-30.45	-13	-17.45	-73.36	-38.22	2.63	12.56	H
	20704	-63.25	-13	-50.25	-75.95	-75.80	3.22	17.92	H
	24155	-59.99	-13	-46.99	-76.77	-72.55	3.78	18.49	H
	27606	-57.34	-13	-44.34	-77.02	-70.79	3.95	19.54	H
									H
	6901	-43.88	-13	-30.88	-72.79	-52.08	1.84	12.20	V
	10352	-38.07	-13	-25.07	-72.07	-44.55	2.26	10.89	V
	13803	-31.18	-13	-18.18	-73.05	-38.95	2.63	12.56	V
	20704	-62.67	-13	-49.67	-75.14	-75.22	3.22	17.92	V
	24155	-60.23	-13	-47.23	-76.65	-72.79	3.78	18.49	V
	27606	-57.85	-13	-44.85	-77.22	-71.30	3.95	19.54	V
									V
Middle	6991	-43.28	-13	-30.28	-71.79	-51.13	1.84	11.84	H
	10487	-36.51	-13	-23.51	-71.47	-42.92	2.25	10.81	H
	13983	-30.44	-13	-17.44	-72.61	-38.04	2.67	12.41	H
	20974	-63.11	-13	-50.11	-75.82	-75.53	3.24	17.81	H
	24470	-59.59	-13	-46.59	-76.99	-72.37	3.75	18.68	H
	27966	-56.90	-13	-43.90	-76.37	-70.47	3.97	19.69	H
									H
	6991	-43.05	-13	-30.05	-71.68	-50.90	1.84	11.84	V
	10487	-37.81	-13	-24.81	-72.2	-44.22	2.25	10.81	V
	13983	-31.13	-13	-18.13	-72.68	-38.73	2.67	12.41	V
	20974	-62.60	-13	-49.60	-75.01	-75.02	3.24	17.81	V
	24470	-59.84	-13	-46.84	-76.94	-72.62	3.75	18.68	V
	27966	-57.26	-13	-44.26	-76.33	-70.83	3.97	19.69	V
									V



Highest	7081	-42.93	-13	-29.93	-71.75	-50.54	1.84	11.60	H
	10622	-36.90	-13	-23.90	-72.13	-43.24	2.24	10.73	H
	14163	-30.77	-13	-17.77	-72.87	-38.27	2.65	12.30	H
	21244	-62.82	-13	-49.82	-76.29	-75.46	3.30	18.09	H
	24785	-59.83	-13	-46.83	-77.31	-72.49	3.72	18.53	H
	28326	-56.87	-13	-43.87	-76.36	-70.24	3.98	19.50	H
									H
	7081	-43.01	-13	-30.01	-72.04	-50.62	1.84	11.60	V
	10622	-37.97	-13	-24.97	-72.76	-44.31	2.24	10.73	V
	14163	-30.91	-13	-17.91	-72.79	-38.41	2.65	12.30	V
	21244	-62.44	-13	-49.44	-75.61	-75.08	3.30	18.09	V
	24785	-60.14	-13	-47.14	-77.3	-72.80	3.72	18.53	V
	28326	-57.08	-13	-44.08	-76.16	-70.45	3.98	19.50	V
									V

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



MIMO <EA 4 Antenna + EA 2 Antenna>

5G NR n77 HPUE

5G NR n77_HPUE / 10MHz / 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	6901	-43.76	-13	-30.76	-72.16	-51.96	1.84	12.20	H
	10352	-37.52	-13	-24.52	-72.32	-44.00	2.26	10.89	H
	13803	-30.42	-13	-17.42	-73.33	-38.19	2.63	12.56	H
	20704	-63.66	-13	-50.66	-76.36	-76.21	3.22	17.92	H
	24155	-60.26	-13	-47.26	-77.04	-72.82	3.78	18.49	H
	27606	-57.61	-13	-44.61	-77.29	-71.06	3.95	19.54	H
									H
	6901	-43.65	-13	-30.65	-72.56	-51.85	1.84	12.20	V
	10352	-38.31	-13	-25.31	-72.31	-44.79	2.26	10.89	V
	13803	-31.58	-13	-18.58	-73.45	-39.35	2.63	12.56	V
	20704	-63.71	-13	-50.71	-76.18	-76.26	3.22	17.92	V
	24155	-60.40	-13	-47.40	-76.82	-72.96	3.78	18.49	V
	27606	-57.80	-13	-44.80	-77.17	-71.25	3.95	19.54	V
									V
Middle	6991	-43.75	-13	-30.75	-72.26	-51.60	1.84	11.84	H
	10487	-37.50	-13	-24.50	-72.46	-43.91	2.25	10.81	H
	13983	-31.00	-13	-18.00	-73.17	-38.60	2.67	12.41	H
	20974	-63.61	-13	-50.61	-76.32	-76.03	3.24	17.81	H
	24470	-59.79	-13	-46.79	-77.19	-72.57	3.75	18.68	H
	27966	-57.32	-13	-44.32	-76.79	-70.89	3.97	19.69	H
									H
	6991	-43.11	-13	-30.11	-71.74	-50.96	1.84	11.84	V
	10487	-37.78	-13	-24.78	-72.17	-44.19	2.25	10.81	V
	13983	-31.61	-13	-18.61	-73.16	-39.21	2.67	12.41	V
	20974	-63.36	-13	-50.36	-75.77	-75.78	3.24	17.81	V
	24470	-59.70	-13	-46.70	-76.8	-72.48	3.75	18.68	V
	27966	-57.66	-13	-44.66	-76.73	-71.23	3.97	19.69	V
									V
									V



Highest	7081	-43.47	-13	-30.47	-72.29	-51.08	1.84	11.60	H
	10622	-37.17	-13	-24.17	-72.4	-43.51	2.24	10.73	H
	14163	-31.03	-13	-18.03	-73.13	-38.53	2.65	12.30	H
	21244	-62.90	-13	-49.90	-76.37	-75.54	3.30	18.09	H
	24785	-59.96	-13	-46.96	-77.44	-72.62	3.72	18.53	H
	28326	-56.87	-13	-43.87	-76.36	-70.24	3.98	19.50	H
									H
	7081	-42.84	-13	-29.84	-71.87	-50.45	1.84	11.60	V
	10622	-37.63	-13	-24.63	-72.42	-43.97	2.24	10.73	V
	14163	-31.36	-13	-18.36	-73.24	-38.86	2.65	12.30	V
	21244	-63.14	-13	-50.14	-76.31	-75.78	3.30	18.09	V
	24785	-60.21	-13	-47.21	-77.37	-72.87	3.72	18.53	V
	28326	-57.37	-13	-44.37	-76.45	-70.74	3.98	19.50	V
									V

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



MIMO <DA 4 Antenna + DA 2 Antenna>

5G NR n77 HPUE

5G NR n77 HPUE / 10MHz / 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	6901	-43.25	-13	-30.25	-71.66	-51.45	1.84	12.20	H
	10352	-37.09	-13	-24.09	-71.89	-43.57	2.26	10.89	H
	13803	-30.77	-13	-17.77	-73.69	-38.54	2.63	12.56	H
	20704	-59.88	-13	-46.88	-72.58	-72.43	3.22	17.92	H
	24155	-60.00	-13	-47.00	-76.78	-72.56	3.78	18.49	H
	27606	-57.55	-13	-44.55	-77.23	-71.00	3.95	19.54	H
									H
	6901	-43.77	-13	-30.77	-72.68	-51.97	1.84	12.20	V
	10352	-38.17	-13	-25.17	-72.17	-44.65	2.26	10.89	V
	13803	-31.66	-13	-18.66	-73.54	-39.43	2.63	12.56	V
	20704	-63.08	-13	-50.08	-75.55	-75.63	3.22	17.92	V
	24155	-59.85	-13	-46.85	-76.27	-72.41	3.78	18.49	V
	27606	-57.31	-13	-44.31	-76.68	-70.76	3.95	19.54	V
									V
Middle	6991	-43.77	-13	-30.77	-72.28	-51.62	1.84	11.84	H
	10487	-37.31	-13	-24.31	-72.27	-43.72	2.25	10.81	H
	13983	-31.72	-13	-18.72	-73.9	-39.32	2.67	12.41	H
	20974	-62.83	-13	-49.83	-75.54	-75.25	3.24	17.81	H
	24470	-58.81	-13	-45.81	-76.21	-71.59	3.75	18.68	H
	27966	-57.17	-13	-44.17	-76.64	-70.74	3.97	19.69	H
									H
	6991	-43.84	-13	-30.84	-72.47	-51.69	1.84	11.84	V
	10487	-37.66	-13	-24.66	-72.05	-44.07	2.25	10.81	V
	13983	-31.93	-13	-18.93	-73.49	-39.53	2.67	12.41	V
	20974	-62.84	-13	-49.84	-75.25	-75.26	3.24	17.81	V
	24470	-49.02	-13	-36.02	-66.12	-61.80	3.75	18.68	V
	27966	-57.81	-13	-44.81	-76.88	-71.38	3.97	19.69	V
									V



Highest	7081	-43.40	-13	-30.40	-72.22	-51.01	1.84	11.60	H
	10622	-37.66	-13	-24.66	-72.89	-44.00	2.24	10.73	H
	14163	-31.07	-13	-18.07	-73.17	-38.57	2.65	12.30	H
	21244	-62.18	-13	-49.18	-75.65	-74.82	3.30	18.09	H
	24785	-59.14	-13	-46.14	-76.62	-71.80	3.72	18.53	H
	28326	-56.49	-13	-43.49	-75.98	-69.86	3.98	19.50	H
									H
	7081	-42.85	-13	-29.85	-71.88	-50.46	1.84	11.60	V
	10622	-38.14	-13	-25.14	-72.93	-44.48	2.24	10.73	V
	14163	-31.52	-13	-18.52	-73.39	-39.02	2.65	12.30	V
	21244	-63.27	-13	-50.27	-76.44	-75.91	3.30	18.09	V
	24785	-59.69	-13	-46.69	-76.85	-72.35	3.72	18.53	V
	28326	-57.12	-13	-44.12	-76.2	-70.49	3.98	19.50	V
									V

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



MIMO <OA 6 Antenna + OAI 2 Antenna>

5G NR n77 HPUE

5G NR n77_HPUE / 10MHz / 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	6901	-44.54	-13	-31.54	-72.95	-52.74	1.84	12.20	H
	10352	-37.72	-13	-24.72	-72.52	-44.20	2.26	10.89	H
	13803	-30.41	-13	-17.41	-73.33	-38.18	2.63	12.56	H
	20704	-63.12	-13	-50.12	-75.82	-75.67	3.22	17.92	H
	24155	-59.94	-13	-46.94	-76.72	-72.50	3.78	18.49	H
	27606	-57.59	-13	-44.59	-77.27	-71.04	3.95	19.54	H
									H
	6901	-44.27	-13	-31.27	-73.18	-52.47	1.84	12.20	V
	10352	-38.40	-13	-25.40	-72.4	-44.88	2.26	10.89	V
	13803	-31.52	-13	-18.52	-73.4	-39.29	2.63	12.56	V
	20704	-63.44	-13	-50.44	-75.91	-75.99	3.22	17.92	V
	24155	-60.38	-13	-47.38	-76.8	-72.94	3.78	18.49	V
	27606	-57.49	-13	-44.49	-76.86	-70.94	3.95	19.54	V
									V
Middle	6991	-44.03	-13	-31.03	-72.54	-51.88	1.84	11.84	H
	10487	-37.85	-13	-24.85	-72.81	-44.26	2.25	10.81	H
	13983	-31.53	-13	-18.53	-73.71	-39.13	2.67	12.41	H
	20974	-62.79	-13	-49.79	-75.5	-75.21	3.24	17.81	H
	24470	-59.04	-13	-46.04	-76.44	-71.82	3.75	18.68	H
	27966	-57.40	-13	-44.40	-76.84	-70.97	3.97	19.69	H
									H
	6991	-43.48	-13	-30.48	-72.11	-51.33	1.84	11.84	V
	10487	-38.46	-13	-25.46	-72.85	-44.87	2.25	10.81	V
	13983	-32.18	-13	-19.18	-73.74	-39.78	2.67	12.41	V
	20974	-62.93	-13	-49.93	-75.34	-75.35	3.24	17.81	V
	24470	-59.46	-13	-46.46	-76.56	-72.24	3.75	18.68	V
	27966	-57.22	-13	-44.22	-76.29	-70.79	3.97	19.69	V
									V



									V
--	--	--	--	--	--	--	--	--	---

Highest	7081	-43.92	-13	-30.92	-72.74	-51.53	1.84	11.60	H
	10622	-38.08	-13	-25.08	-73.31	-44.42	2.24	10.73	H
	14163	-31.40	-13	-18.40	-73.5	-38.90	2.65	12.30	H
	21244	-62.59	-13	-49.59	-76.06	-75.23	3.30	18.09	H
	24785	-59.73	-13	-46.73	-77.21	-72.39	3.72	18.53	H
	28326	-56.54	-13	-43.54	-76.03	-69.91	3.98	19.50	H
									H
	7081	-43.58	-13	-30.58	-72.61	-51.19	1.84	11.60	V
	10622	-37.99	-13	-24.99	-72.78	-44.33	2.24	10.73	V
	14163	-31.59	-13	-18.59	-73.46	-39.09	2.65	12.30	V
	21244	-62.38	-13	-49.38	-75.55	-75.02	3.30	18.09	V
	24785	-59.88	-13	-46.88	-77.04	-72.54	3.72	18.53	V
	28326	-57.03	-13	-44.03	-76.11	-70.40	3.98	19.50	V
									V

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



MIMO <OA 5 Antenna + OAI 2 Antenna>

5G NR n77 HPUE

5G NR n77_HPUE / 10MHz / 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	6901	-44.68	-13	-31.68	-73.09	-52.88	1.84	12.20	H
	10352	-37.79	-13	-24.79	-72.59	-44.27	2.26	10.89	H
	13803	-30.68	-13	-17.68	-73.6	-38.45	2.63	12.56	H
	20704	-63.43	-13	-50.43	-76.13	-75.98	3.22	17.92	H
	24155	-59.84	-13	-46.84	-76.62	-72.40	3.78	18.49	H
	27606	-57.54	-13	-44.54	-77.22	-70.99	3.95	19.54	H
									H
	6901	-43.98	-13	-30.98	-72.89	-52.18	1.84	12.20	V
	10352	-38.69	-13	-25.69	-72.69	-45.17	2.26	10.89	V
	13803	-31.81	-13	-18.81	-73.69	-39.58	2.63	12.56	V
	20704	-63.71	-13	-50.71	-76.18	-76.26	3.22	17.92	V
	24155	-60.10	-13	-47.10	-76.52	-72.66	3.78	18.49	V
	27606	-57.67	-13	-44.67	-77.04	-71.12	3.95	19.54	V
									V
Middle	6991	-43.89	-13	-30.89	-72.4	-51.74	1.84	11.84	H
	10487	-37.62	-13	-24.62	-72.58	-44.03	2.25	10.81	H
	13983	-31.35	-13	-18.35	-73.53	-38.95	2.67	12.41	H
	20974	-63.29	-13	-50.29	-76	-75.71	3.24	17.81	H
	24470	-58.94	-13	-45.94	-76.34	-71.72	3.75	18.68	H
	27966	-57.10	-13	-44.10	-76.57	-70.67	3.97	19.69	H
									H
	6991	-43.68	-13	-30.68	-72.31	-51.53	1.84	11.84	V
	10487	-38.14	-13	-25.14	-72.53	-44.55	2.25	10.81	V
	13983	-31.25	-13	-18.25	-72.81	-38.85	2.67	12.41	V
	20974	-63.23	-13	-50.23	-75.64	-75.65	3.24	17.81	V
	24470	-58.93	-13	-45.93	-76.06	-71.71	3.75	18.68	V
	27966	-57.52	-13	-44.52	-76.59	-71.09	3.97	19.69	V
									V



Highest	7081	-43.15	-13	-30.15	-71.97	-50.76	1.84	11.60	H
	10622	-37.92	-13	-24.92	-73.15	-44.26	2.24	10.73	H
	14163	-31.38	-13	-18.38	-73.48	-38.88	2.65	12.30	H
	21244	-62.82	-13	-49.82	-76.29	-75.46	3.30	18.09	H
	24785	-59.75	-13	-46.75	-77.23	-72.41	3.72	18.53	H
	28326	-56.63	-13	-43.63	-76.12	-70.00	3.98	19.50	H
									H
	7081	-42.99	-13	-29.99	-72.02	-50.60	1.84	11.60	V
	10622	-38.24	-13	-25.24	-73.03	-44.58	2.24	10.73	V
	14163	-31.61	-13	-18.61	-73.48	-39.11	2.65	12.30	V
	21244	-62.83	-13	-49.83	-76	-75.47	3.30	18.09	V
	24785	-60.01	-13	-47.01	-77.17	-72.67	3.72	18.53	V
	28326	-56.83	-13	-43.83	-75.91	-70.20	3.98	19.50	V
									V

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

MIMO <OA 5 Antenna + OAI 4 Antenna>

5G NR n77 HPUE

5G NR n77_HPUE / 10MHz / 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	6901	-44.49	-13	-31.49	-72.9	-52.69	1.84	12.20	H
	10352	-37.71	-13	-24.71	-72.51	-44.19	2.26	10.89	H
	13803	-30.23	-13	-17.23	-73.15	-38.00	2.63	12.56	H
	20704	-63.48	-13	-50.48	-76.18	-76.03	3.22	17.92	H
	24155	-59.82	-13	-46.82	-76.6	-72.38	3.78	18.49	H
	27606	-57.32	-13	-44.32	-77	-70.77	3.95	19.54	H
									H
	6901	-43.79	-13	-30.79	-72.7	-51.99	1.84	12.20	V
	10352	-38.09	-13	-25.09	-72.09	-44.57	2.26	10.89	V
	13803	-31.30	-13	-18.30	-73.18	-39.07	2.63	12.56	V
	20704	-63.15	-13	-50.15	-75.62	-75.70	3.22	17.92	V
	24155	-60.60	-13	-47.60	-77.02	-73.16	3.78	18.49	V
	27606	-58.05	-13	-45.05	-77.42	-71.50	3.95	19.54	V
									V
Middle	6991	-44.01	-13	-31.01	-72.52	-51.86	1.84	11.84	H
	10487	-37.86	-13	-24.86	-72.82	-44.27	2.25	10.81	H
	13983	-30.92	-13	-17.92	-73.1	-38.52	2.67	12.41	H
	20974	-63.04	-13	-50.04	-75.75	-75.46	3.24	17.81	H
	24470	-59.07	-13	-46.07	-76.47	-71.85	3.75	18.68	H
	27966	-57.19	-13	-44.19	-76.66	-70.76	3.97	19.69	H
									H
	6991	-43.89	-13	-30.89	-72.52	-51.74	1.84	11.84	V
	10487	-38.36	-13	-25.36	-72.75	-44.77	2.25	10.81	V
	13983	-31.53	-13	-18.53	-73.09	-39.13	2.67	12.41	V
	20974	-63.68	-13	-50.68	-76.09	-76.10	3.24	17.81	V
	24470	-59.65	-13	-46.65	-76.75	-72.43	3.75	18.68	V
	27966	-57.10	-13	-44.10	-76.17	-70.67	3.97	19.69	V
									V



Highest	7081	-43.37	-13	-30.37	-72.54	-50.98	1.84	11.60	H
	10622	-37.79	-13	-24.79	-73.02	-44.13	2.24	10.73	H
	14163	-30.96	-13	-17.96	-73.06	-38.46	2.65	12.30	H
	21244	-63.37	-13	-50.37	-76.84	-76.01	3.30	18.09	H
	24785	-59.50	-13	-46.50	-76.98	-72.16	3.72	18.53	H
	28326	-56.78	-13	-43.78	-76.27	-70.15	3.98	19.50	H
									H
	7081	-42.70	-13	-29.70	-72.23	-50.31	1.84	11.60	V
	10622	-38.21	-13	-25.21	-73	-44.55	2.24	10.73	V
	14163	-31.34	-13	-18.34	-73.21	-38.84	2.65	12.30	V
	21244	-63.27	-13	-50.27	-76.44	-75.91	3.30	18.09	V
	24785	-60.38	-13	-47.38	-77.57	-73.04	3.72	18.53	V
	28326	-57.17	-13	-44.17	-76.25	-70.54	3.98	19.50	V
									V

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



MIMO <OA 6 Antenna + OAI 4 Antenna>

5G NR n77 HPUE

5G NR n77_HPUE / 10MHz / 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	6901	-44.83	-13	-31.83	-73.24	-53.03	1.84	12.20	H
	10352	-37.74	-13	-24.74	-72.54	-44.22	2.26	10.89	H
	13803	-30.63	-13	-17.63	-73.55	-38.40	2.63	12.56	H
	20704	-63.43	-13	-50.43	-76.13	-75.98	3.22	17.92	H
	24155	-60.13	-13	-47.13	-76.91	-72.69	3.78	18.49	H
	27606	-57.41	-13	-44.41	-77.09	-70.86	3.95	19.54	H
									H
	6901	-44.17	-13	-31.17	-73.08	-52.37	1.84	12.20	V
	10352	-38.66	-13	-25.66	-72.66	-45.14	2.26	10.89	V
	13803	-31.56	-13	-18.56	-73.44	-39.33	2.63	12.56	V
	20704	-63.53	-13	-50.53	-76	-76.08	3.22	17.92	V
	24155	-59.96	-13	-46.96	-76.38	-72.52	3.78	18.49	V
	27606	-57.87	-13	-44.87	-77.24	-71.32	3.95	19.54	V
									V
Middle	6991	-43.82	-13	-30.82	-72.33	-51.67	1.84	11.84	H
	10487	-37.74	-13	-24.74	-72.7	-44.15	2.25	10.81	H
	13983	-31.35	-13	-18.35	-73.53	-38.95	2.67	12.41	H
	20974	-63.30	-13	-50.30	-76.01	-75.72	3.24	17.81	H
	24470	-59.36	-13	-46.36	-76.84	-72.14	3.75	18.68	H
	27966	-57.48	-13	-44.48	-76.95	-71.05	3.97	19.69	H
									H
	6991	-44.17	-13	-31.17	-72.8	-52.02	1.84	11.84	V
	10487	-38.22	-13	-25.22	-72.61	-44.63	2.25	10.81	V
	13983	-31.92	-13	-18.92	-73.48	-39.52	2.67	12.41	V
	20974	-63.12	-13	-50.12	-75.53	-75.54	3.24	17.81	V
	24470	-59.82	-13	-46.82	-76.92	-72.60	3.75	18.68	V
	27966	-57.44	-13	-44.44	-76.51	-71.01	3.97	19.69	V
									V



Highest	7081	-43.84	-13	-30.84	-72.66	-51.45	1.84	11.60	H
	10622	-37.94	-13	-24.94	-73.17	-44.28	2.24	10.73	H
	14163	-31.32	-13	-18.32	-73.42	-38.82	2.65	12.30	H
	21244	-62.74	-13	-49.74	-76.21	-75.38	3.30	18.09	H
	24785	-59.91	-13	-46.91	-77.39	-72.57	3.72	18.53	H
	28326	-56.85	-13	-43.85	-76.34	-70.22	3.98	19.50	H
									H
	7081	-43.33	-13	-30.33	-72.36	-50.94	1.84	11.60	V
	10622	-37.79	-13	-24.79	-72.58	-44.13	2.24	10.73	V
	14163	-31.51	-13	-18.51	-73.38	-39.01	2.65	12.30	V
	21244	-63.10	-13	-50.10	-76.27	-75.74	3.30	18.09	V
	24785	-59.79	-13	-46.79	-76.95	-72.45	3.72	18.53	V
	28326	-57.37	-13	-44.37	-76.45	-70.74	3.98	19.50	V
									V

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



MIMO <OA 5 Antenna + OA 6 Antenna>

5G NR n77 HPUE

5G NR n77_HPUE / 10MHz / 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	6901	-40.57	-13	-27.57	-68.97	-48.77	1.84	12.20	H
	10352	-37.33	-13	-24.33	-72.13	-43.81	2.26	10.89	H
	13803	-30.41	-13	-17.41	-73.32	-38.18	2.63	12.56	H
	20704	-58.90	-13	-45.90	-69.8	-71.45	3.22	17.92	H
	24155	-56.84	-13	-43.84	-76.01	-69.40	3.78	18.49	H
	27606	-56.85	-13	-43.85	-75.94	-70.30	3.95	19.54	H
									H
	6901	-40.46	-13	-27.46	-69.37	-48.66	1.84	12.20	V
	10352	-38.52	-13	-25.52	-72.52	-45.00	2.26	10.89	V
	13803	-31.61	-13	-18.61	-73.48	-39.38	2.63	12.56	V
	20704	-49.73	-13	-36.73	-60.4	-62.28	3.22	17.92	V
	24155	-55.29	-13	-42.29	-71.1	-67.85	3.78	18.49	V
	27606	-56.01	-13	-43.01	-74.79	-69.46	3.95	19.54	V
									V
Middle	6991	-41.58	-13	-28.58	-70.09	-49.43	1.84	11.84	H
	10487	-37.27	-13	-24.27	-72.23	-43.68	2.25	10.81	H
	13983	-31.42	-13	-18.42	-73.59	-39.02	2.67	12.41	H
	20974	-59.74	-13	-46.74	-70.65	-72.16	3.24	17.81	H
	24470	-58.87	-13	-45.87	-75.86	-71.65	3.75	18.68	H
	27966	-57.53	-13	-44.53	-76.76	-71.10	3.97	19.69	H
									H
	6991	-42.03	-13	-29.03	-70.66	-49.88	1.84	11.84	V
	10487	-37.97	-13	-24.97	-72.36	-44.38	2.25	10.81	V
	13983	-31.94	-13	-18.94	-73.49	-39.54	2.67	12.41	V
	20974	-51.80	-13	-38.80	-62.41	-64.22	3.24	17.81	V
	24470	-53.99	-13	-40.99	-70.68	-66.77	3.75	18.68	V
	27966	-58.18	-13	-45.18	-77.01	-71.75	3.97	19.69	V
									V



Highest	7081	-41.95	-13	-28.95	-70.77	-49.56	1.84	11.60	H
	10622	-37.56	-13	-24.56	-72.79	-43.90	2.24	10.73	H
	14163	-31.13	-13	-18.13	-73.23	-38.63	2.65	12.30	H
	21244	-57.13	-13	-44.13	-68.8	-69.77	3.30	18.09	H
	24785	-59.52	-13	-46.52	-76.77	-72.18	3.72	18.53	H
	28326	-56.76	-13	-43.76	-76.24	-70.13	3.98	19.50	H
									H
	7081	-40.41	-13	-27.41	-69.44	-48.02	1.84	11.60	V
	10622	-37.87	-13	-24.87	-72.66	-44.21	2.24	10.73	V
	14163	-31.12	-13	-18.12	-73	-38.62	2.65	12.30	V
	21244	-51.00	-13	-38.00	-62.37	-63.64	3.30	18.09	V
	24785	-55.19	-13	-42.19	-72.12	-67.85	3.72	18.53	V
	28326	-57.35	-13	-44.35	-76.42	-70.72	3.98	19.50	V
									V

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



MIMO <EA 1_5 Antenna + EA 2 Antenna>

5G NR n77 HPUE

5G NR n77_HPUE / 10MHz / 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	6901	-44.11	-13	-31.11	-72.51	-52.31	1.84	12.20	H
	10352	-37.42	-13	-24.42	-72.22	-43.90	2.26	10.89	H
	13803	-30.61	-13	-17.61	-73.52	-38.38	2.63	12.56	H
	20704	-63.33	-13	-50.33	-76.03	-75.88	3.22	17.92	H
	24155	-59.61	-13	-46.61	-76.39	-72.17	3.78	18.49	H
	27606	-57.41	-13	-44.41	-77.09	-70.86	3.95	19.54	H
									H
	6901	-43.60	-13	-30.60	-72.51	-51.80	1.84	12.20	V
	10352	-38.19	-13	-25.19	-72.19	-44.67	2.26	10.89	V
	13803	-31.41	-13	-18.41	-73.28	-39.18	2.63	12.56	V
	20704	-63.70	-13	-50.70	-76.17	-76.25	3.22	17.92	V
	24155	-60.58	-13	-47.58	-77	-73.14	3.78	18.49	V
	27606	-57.91	-13	-44.91	-77.28	-71.36	3.95	19.54	V
									V
Middle	6991	-43.37	-13	-30.37	-71.88	-51.22	1.84	11.84	H
	10487	-37.21	-13	-24.21	-72.17	-43.62	2.25	10.81	H
	13983	-30.98	-13	-17.98	-73.15	-38.58	2.67	12.41	H
	20974	-63.16	-13	-50.16	-75.87	-75.58	3.24	17.81	H
	24470	-59.34	-13	-46.34	-76.74	-72.12	3.75	18.68	H
	27966	-57.06	-13	-44.06	-76.53	-70.63	3.97	19.69	H
									H
	6991	-43.15	-13	-30.15	-71.78	-51.00	1.84	11.84	V
	10487	-37.38	-13	-24.38	-71.77	-43.79	2.25	10.81	V
	13983	-31.60	-13	-18.60	-73.15	-39.20	2.67	12.41	V
	20974	-63.16	-13	-50.16	-75.57	-75.58	3.24	17.81	V
	24470	-59.66	-13	-46.66	-76.76	-72.44	3.75	18.68	V
	27966	-57.66	-13	-44.66	-76.73	-71.23	3.97	19.69	V
									V



Highest	7081	-42.95	-13	-29.95	-71.77	-50.56	1.84	11.60	H
	10622	-37.75	-13	-24.75	-72.98	-44.09	2.24	10.73	H
	14163	-30.99	-13	-17.99	-73.09	-38.49	2.65	12.30	H
	21244	-62.77	-13	-49.77	-76.24	-75.41	3.30	18.09	H
	24785	-60.06	-13	-47.06	-77.54	-72.72	3.72	18.53	H
	28326	-56.89	-13	-43.89	-76.38	-70.26	3.98	19.50	H
									H
	7081	-42.83	-13	-29.83	-71.86	-50.44	1.84	11.60	V
	10622	-38.14	-13	-25.14	-72.93	-44.48	2.24	10.73	V
	14163	-30.70	-13	-17.70	-72.58	-38.20	2.65	12.30	V
	21244	-63.13	-13	-50.13	-76.3	-75.77	3.30	18.09	V
	24785	-60.38	-13	-47.38	-77.54	-73.04	3.72	18.53	V
	28326	-56.85	-13	-43.85	-75.93	-70.22	3.98	19.50	V
									V

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



MIMO <EA 1_5 Antenna + EA 4 Antenna>

5G NR n77 HPUE

5G NR n77_HPUE / 10MHz / 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	6901	-42.03	-13	-29.03	-70.44	-50.23	1.84	12.20	H
	10352	-33.61	-13	-20.61	-68.41	-40.09	2.26	10.89	H
	13803	-29.77	-13	-16.77	-72.69	-37.54	2.63	12.56	H
	20704	-56.72	-13	-43.72	-67.62	-69.27	3.22	17.92	H
	24155	-59.61	-13	-46.61	-75.78	-72.17	3.78	18.49	H
	27606	-56.94	-13	-43.94	-76.03	-70.39	3.95	19.54	H
									H
	6901	-42.99	-13	-29.99	-71.9	-51.19	1.84	12.20	V
	10352	-29.29	-13	-16.29	-63.29	-35.77	2.26	10.89	V
	13803	-31.24	-13	-18.24	-73.12	-39.01	2.63	12.56	V
	20704	-62.45	-13	-49.45	-73.12	-75.00	3.22	17.92	V
	24155	-53.65	-13	-40.65	-69.46	-66.21	3.78	18.49	V
	27606	-57.36	-13	-44.36	-76.14	-70.81	3.95	19.54	V
									V
Middle	6991	-39.98	-13	-26.98	-68.49	-47.83	1.84	11.84	H
	10487	-25.10	-13	-12.10	-60.06	-31.51	2.25	10.81	H
	13983	-30.64	-13	-17.64	-72.82	-38.24	2.67	12.41	H
	20974	-63.54	-13	-50.54	-74.45	-75.96	3.24	17.81	H
	24470	-59.63	-13	-46.63	-76.62	-72.41	3.75	18.68	H
	27966	-57.87	-13	-44.87	-77.1	-71.44	3.97	19.69	H
									H
	6991	-42.93	-13	-29.93	-71.56	-50.78	1.84	11.84	V
	10487	-23.72	-13	-10.72	-58.11	-30.13	2.25	10.81	V
	13983	-31.04	-13	-18.04	-72.6	-38.64	2.67	12.41	V
	20974	-61.11	-13	-48.11	-71.72	-73.53	3.24	17.81	V
	24470	-53.75	-13	-40.75	-70.44	-66.53	3.75	18.68	V
	27966	-58.19	-13	-45.19	-77.02	-71.76	3.97	19.69	V
									V



Highest	7081	-41.29	-13	-28.29	-70.11	-48.90	1.84	11.60	H
	10622	-23.24	-13	-10.24	-58.47	-29.58	2.24	10.73	H
	14163	-30.25	-13	-17.25	-72.35	-37.75	2.65	12.30	H
	21244	-61.68	-13	-48.68	-73.35	-74.32	3.30	18.09	H
	24785	-59.13	-13	-46.13	-76.38	-71.79	3.72	18.53	H
	28326	-57.17	-13	-44.17	-76.65	-70.54	3.98	19.50	H
									H
	7081	-42.65	-13	-29.65	-71.67	-50.26	1.84	11.60	V
	10622	-23.41	-13	-10.41	-58.2	-29.75	2.24	10.73	V
	14163	-31.66	-13	-18.66	-73.53	-39.16	2.65	12.30	V
	21244	-51.77	-13	-38.77	-63.14	-64.41	3.30	18.09	V
	24785	-53.52	-13	-40.52	-70.45	-66.18	3.72	18.53	V
	28326	-57.23	-13	-44.23	-76.3	-70.60	3.98	19.50	V
									V

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

MIMO <EA 1_5 Antenna + EA 3_6 Antenna>

5G NR n77 HPUE

5G NR n77_HPUE / 10MHz / 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	6901	-42.20	-13	-29.20	-70.6	-50.40	1.84	12.20	H
	10352	-37.54	-13	-24.54	-72.34	-44.02	2.26	10.89	H
	13803	-29.55	-13	-16.55	-72.46	-37.32	2.63	12.56	H
	20704	-60.19	-13	-47.19	-71.09	-72.74	3.22	17.92	H
	24155	-59.25	-13	-46.25	-75.42	-71.81	3.78	18.49	H
	27606	-57.01	-13	-44.01	-76.1	-70.46	3.95	19.54	H
									H
	6901	-42.37	-13	-29.37	-71.28	-50.57	1.84	12.20	V
	10352	-38.31	-13	-25.31	-72.31	-44.79	2.26	10.89	V
	13803	-30.02	-13	-17.02	-71.89	-37.79	2.63	12.56	V
	20704	-55.99	-13	-42.99	-66.66	-68.54	3.22	17.92	V
	24155	-55.81	-13	-42.81	-71.62	-68.37	3.78	18.49	V
	27606	-57.36	-13	-44.36	-76.14	-70.81	3.95	19.54	V
									V
Middle	6991	-43.05	-13	-30.05	-71.56	-50.90	1.84	11.84	H
	10487	-35.83	-13	-22.83	-70.79	-42.24	2.25	10.81	H
	13983	-29.82	-13	-16.82	-71.99	-37.42	2.67	12.41	H
	20975	-62.80	-13	-49.80	-73.71	-75.22	3.24	17.81	H
	24470	-59.11	-13	-46.11	-76.1	-71.89	3.75	18.68	H
	27966	-57.78	-13	-44.78	-77.01	-71.35	3.97	19.69	H
									H
	6991	-42.73	-13	-29.73	-71.36	-50.58	1.84	11.84	V
	10487	-36.89	-13	-23.89	-71.28	-43.30	2.25	10.81	V
	13983	-30.55	-13	-17.55	-72.1	-38.15	2.67	12.41	V
	20975	-54.85	-13	-41.85	-65.46	-67.27	3.24	17.81	V
	24470	-54.08	-13	-41.08	-70.77	-66.86	3.75	18.68	V
	27966	-58.34	-13	-45.34	-77.17	-71.91	3.97	19.69	V
									V



Highest	7081	-42.58	-13	-29.58	-71.4	-50.19	1.84	11.60	H
	10622	-37.32	-13	-24.32	-72.55	-43.66	2.24	10.73	H
	14163	-29.82	-13	-16.82	-71.92	-37.32	2.65	12.30	H
	21245	-61.51	-13	-48.51	-73.18	-74.15	3.30	18.09	H
	24785	-59.08	-13	-46.08	-76.33	-71.74	3.72	18.53	H
	28326	-57.20	-13	-44.20	-76.68	-70.57	3.98	19.50	H
									H
	7081	-42.74	-13	-29.74	-71.77	-50.35	1.84	11.60	V
	10622	-37.35	-13	-24.35	-72.14	-43.69	2.24	10.73	V
	14163	-30.07	-13	-17.07	-71.95	-37.57	2.65	12.30	V
	21245	-58.87	-13	-45.87	-70.24	-71.51	3.30	18.09	V
	24785	-59.55	-13	-46.55	-76.48	-72.21	3.72	18.53	V
	28326	-56.92	-13	-43.92	-75.99	-70.29	3.98	19.50	V
									V

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



MIMO <EA 3_6 Antenna + EA 2 Antenna>

5G NR n77 HPUE

5G NR n77_HPUE / 10MHz / 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	6901	-43.64	-13	-30.64	-72.04	-51.84	1.84	12.20	H
	10352	-37.09	-13	-24.09	-71.89	-43.57	2.26	10.89	H
	13803	-29.72	-13	-16.72	-72.63	-37.49	2.63	12.56	H
	20704	-63.22	-13	-50.22	-75.92	-75.77	3.22	17.92	H
	24155	-60.06	-13	-47.06	-76.84	-72.62	3.78	18.49	H
	27606	-57.33	-13	-44.33	-77.01	-70.78	3.95	19.54	H
									H
	6901	-43.41	-13	-30.41	-72.32	-51.61	1.84	12.20	V
	10352	-37.89	-13	-24.89	-71.89	-44.37	2.26	10.89	V
	13803	-30.56	-13	-17.56	-72.43	-38.33	2.63	12.56	V
	20704	-63.90	-13	-50.90	-76.37	-76.45	3.22	17.92	V
	24155	-60.21	-13	-47.21	-76.63	-72.77	3.78	18.49	V
	27606	-58.12	-13	-45.12	-77.49	-71.57	3.95	19.54	V
									V
Middle	6991	-43.22	-13	-30.22	-71.73	-51.07	1.84	11.84	H
	10487	-36.84	-13	-23.84	-71.8	-43.25	2.25	10.81	H
	13983	-30.38	-13	-17.38	-72.55	-37.98	2.67	12.41	H
	20974	-63.56	-13	-50.56	-76.27	-75.98	3.24	17.81	H
	24470	-59.48	-13	-46.48	-76.88	-72.26	3.75	18.68	H
	27966	-57.34	-13	-44.34	-76.81	-70.91	3.97	19.69	H
									H
	6991	-43.37	-13	-30.37	-72	-51.22	1.84	11.84	V
	10487	-37.37	-13	-24.37	-71.76	-43.78	2.25	10.81	V
	13983	-31.20	-13	-18.20	-72.75	-38.80	2.67	12.41	V
	20974	-63.75	-13	-50.75	-76.16	-76.17	3.24	17.81	V
	24470	-59.89	-13	-46.89	-76.99	-72.67	3.75	18.68	V
	27966	-57.67	-13	-44.67	-76.74	-71.24	3.97	19.69	V
									V



Highest	7081	-43.15	-13	-30.15	-71.97	-50.76	1.84	11.60	H
	10622	-37.07	-13	-24.07	-72.3	-43.41	2.24	10.73	H
	14163	-30.53	-13	-17.53	-72.63	-38.03	2.65	12.30	H
	21244	-62.97	-13	-49.97	-76.44	-75.61	3.30	18.09	H
	24785	-59.82	-13	-46.82	-77.3	-72.48	3.72	18.53	H
	28326	-56.87	-13	-43.87	-76.36	-70.24	3.98	19.50	H
									H
	7081	-42.73	-13	-29.73	-71.76	-50.34	1.84	11.60	V
	10622	-37.45	-13	-24.45	-72.24	-43.79	2.24	10.73	V
	14163	-30.96	-13	-17.96	-72.84	-38.46	2.65	12.30	V
	21244	-62.75	-13	-49.75	-75.92	-75.39	3.30	18.09	V
	24785	-59.29	-13	-46.29	-76.45	-71.95	3.72	18.53	V
	28326	-56.71	-13	-43.71	-75.79	-70.08	3.98	19.50	V
									V

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



MIMO <EA 3_6 Antenna + EA 4 Antenna>

5G NR n77 HPUE

5G NR n77_HPUE / 10MHz / 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	6901	-43.34	-13	-30.34	-71.75	-51.54	1.84	12.20	H
	10352	-35.98	-13	-22.98	-70.78	-42.46	2.26	10.89	H
	13803	-30.61	-13	-17.61	-73.53	-38.38	2.63	12.56	H
	20704	-60.19	-13	-47.19	-71.09	-72.74	3.22	17.92	H
	24155	-59.44	-13	-46.44	75.61	-72.00	3.78	18.49	H
	27606	-57.02	-13	-44.02	-76.11	-70.47	3.95	19.54	H
									H
	6901	-42.43	-13	-29.43	-71.34	-50.63	1.84	12.20	V
	10352	-34.96	-13	-21.96	-68.96	-41.44	2.26	10.89	V
	13803	-31.54	-13	-18.54	-73.42	-39.31	2.63	12.56	V
	20704	-50.76	-13	-37.76	-61.43	-63.31	3.22	17.92	V
	24155	-52.76	-13	-39.76	-68.57	-65.32	3.78	18.49	V
	27606	-56.70	-13	-43.70	-75.48	-70.15	3.95	19.54	V
									V
Middle	6991	-40.31	-13	-27.31	-68.82	-48.16	1.84	11.84	H
	10487	-28.85	-13	-15.85	-63.81	-35.26	2.25	10.81	H
	13983	-30.92	-13	-17.92	-73.1	-38.52	2.67	12.41	H
	20975	-62.88	-13	-49.88	-73.79	-75.30	3.24	17.81	H
	24470	-59.31	-13	-46.31	-76.3	-72.09	3.75	18.68	H
	27966	-58.15	-13	-45.15	-77.38	-71.72	3.97	19.69	H
									H
	6991	-40.85	-13	-27.85	-69.48	-48.70	1.84	11.84	V
	10487	-26.52	-13	-13.52	-60.91	-32.93	2.25	10.81	V
	13983	-31.37	-13	-18.37	-72.93	-38.97	2.67	12.41	V
	20975	-55.59	-13	-42.59	-66.2	-68.01	3.24	17.81	V
	24470	-54.88	-13	-41.88	-71.57	-67.66	3.75	18.68	V
	27966	-58.35	-13	-45.35	-77.18	-71.92	3.97	19.69	V
									V



Highest	7081	-41.20	-13	-28.20	-70.02	-48.81	1.84	11.60	H
	10622	-25.95	-13	-12.95	-61.18	-32.29	2.24	10.73	H
	14163	-31.46	-13	-18.46	-73.56	-38.96	2.65	12.30	H
	21245	-61.95	-13	-48.95	-73.62	-74.59	3.30	18.09	H
	24785	-59.19	-13	-46.19	-76.44	-71.85	3.72	18.53	H
	28326	-57.31	-13	-44.31	-76.79	-70.68	3.98	19.50	H
									H
	7081	-43.04	-13	-30.04	-72.07	-50.65	1.84	11.60	V
	10622	-27.80	-13	-14.80	-62.59	-34.14	2.24	10.73	V
	14163	-31.48	-13	-18.48	-73.35	-38.98	2.65	12.30	V
	21245	-55.35	-13	-42.35	-66.72	-67.99	3.30	18.09	V
	24785	-51.30	-13	-38.30	-68.23	-63.96	3.72	18.53	V
	28326	-57.38	-13	-44.38	-76.45	-70.75	3.98	19.50	V
									V

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