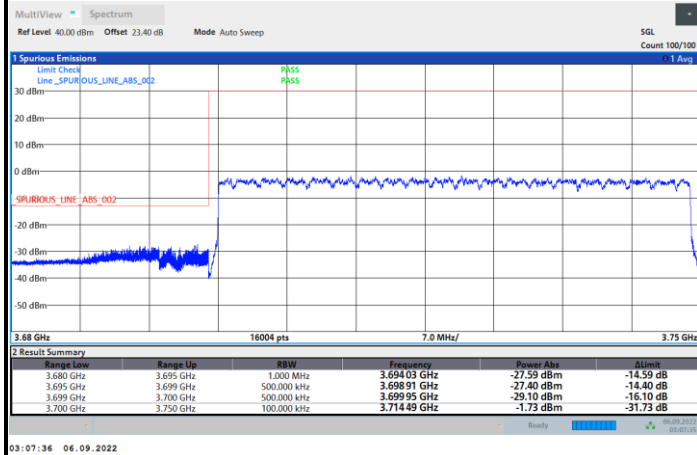


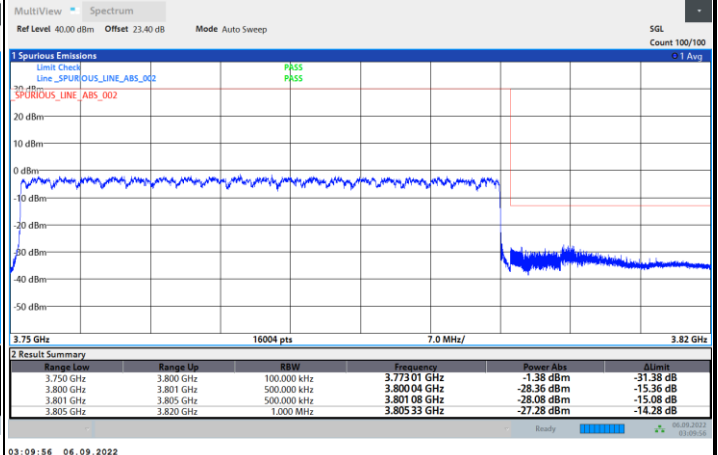


FR1 n78 / 50MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

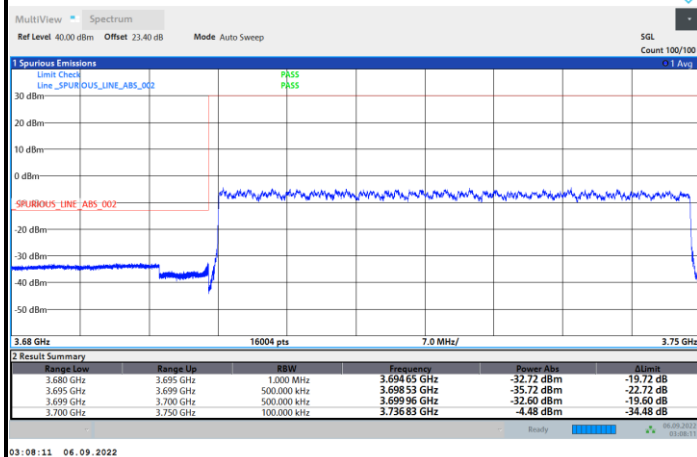


Highest Band Edge / Full RB

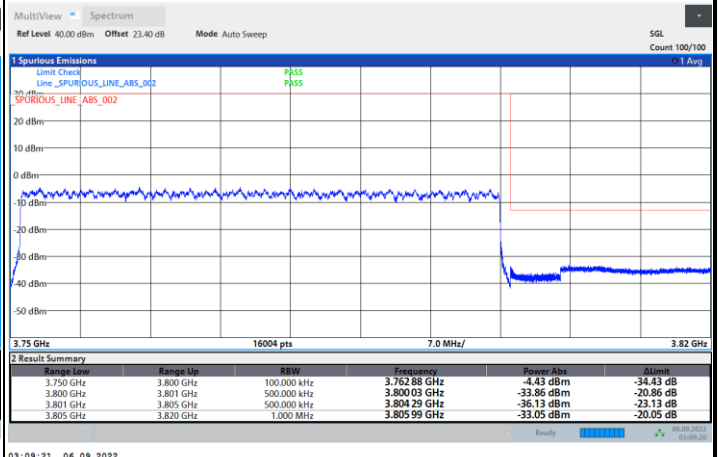


FR1 n78 / 50MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB



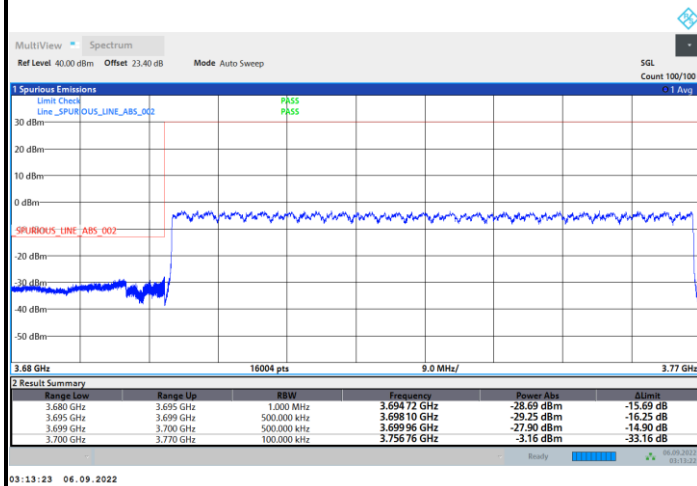
Highest Band Edge / Full RB



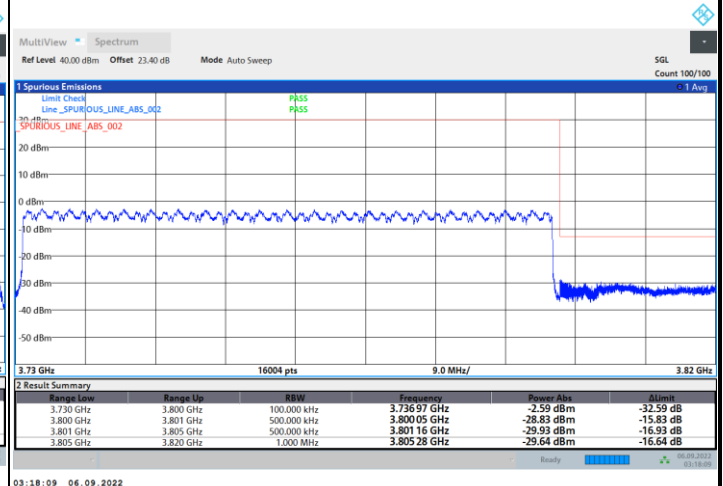


FR1 n78 / 70MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

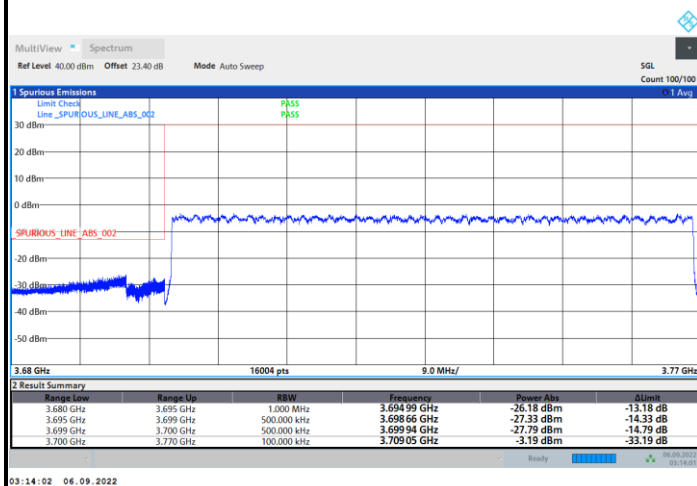


Highest Band Edge / Full RB

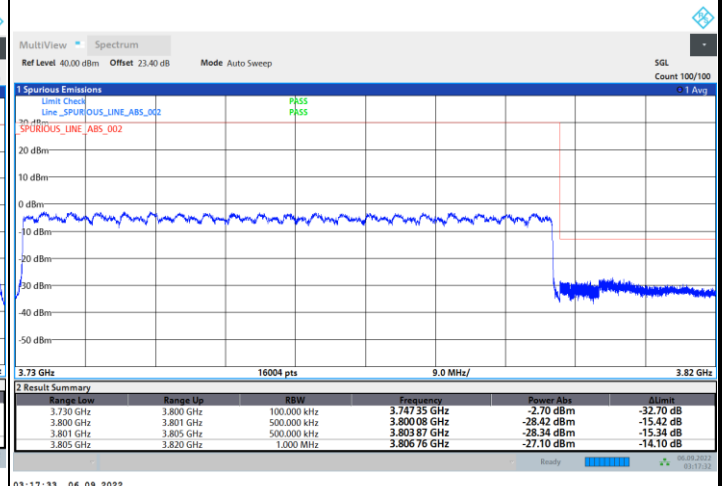


FR1 n78 / 70MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB



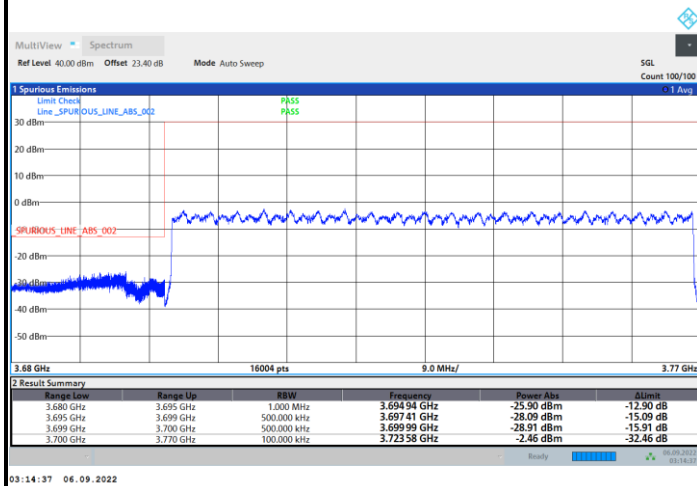
Highest Band Edge / Full RB



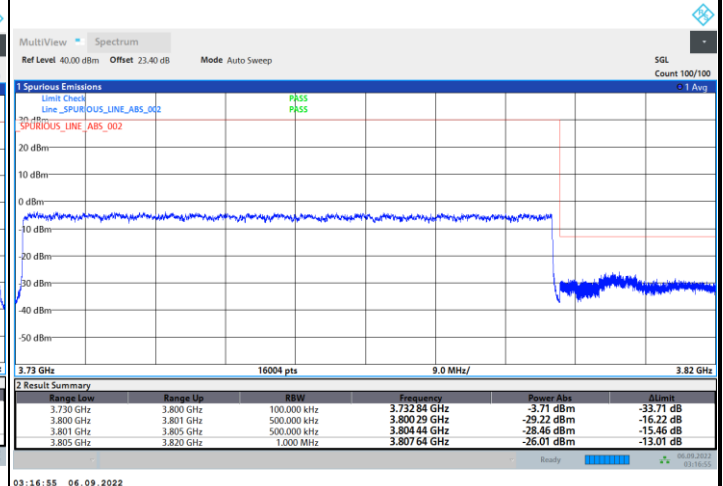


FR1 n78 / 70MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

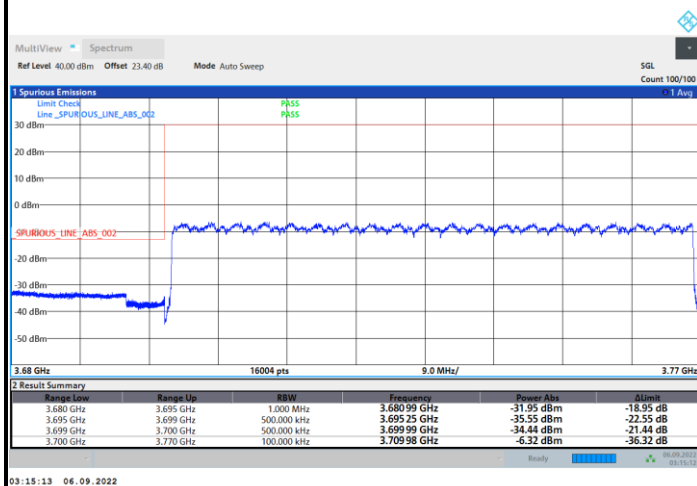


Highest Band Edge / Full RB

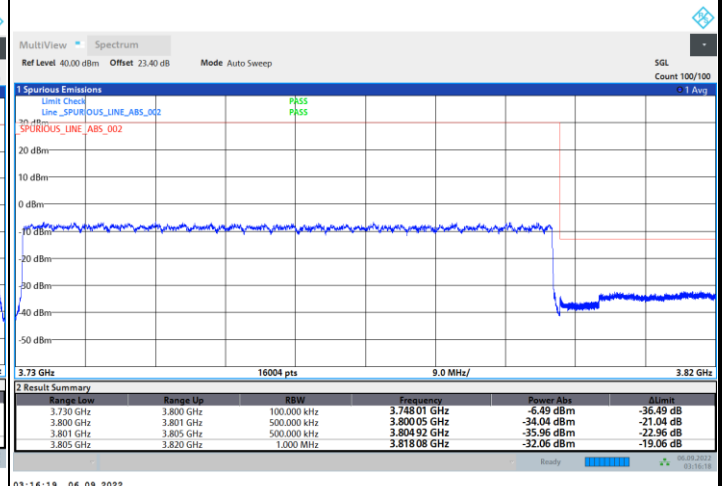


FR1 n78 / 70MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB



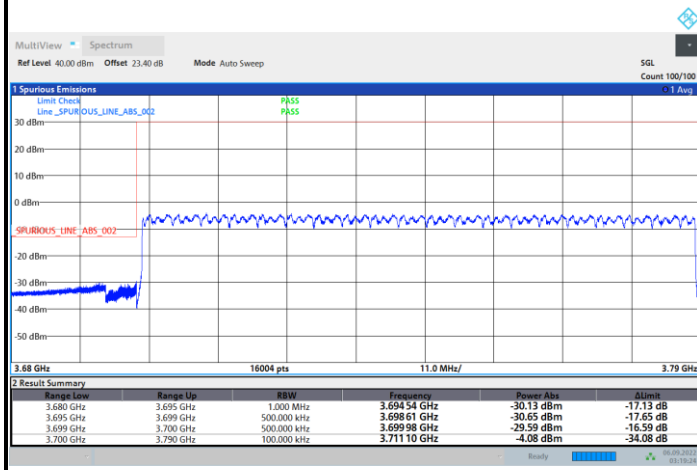
Highest Band Edge / Full RB



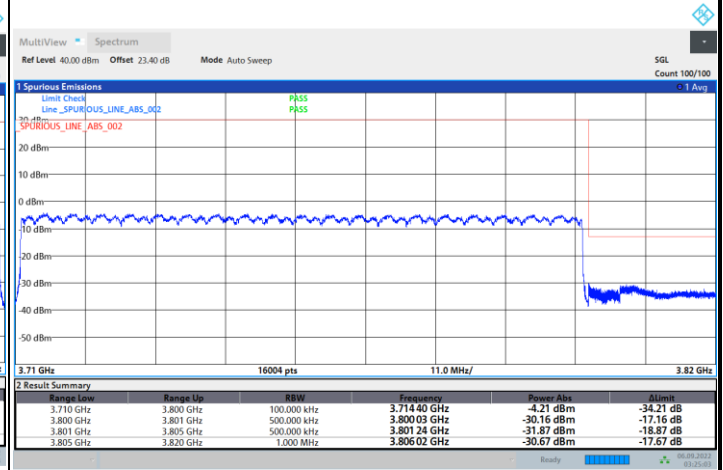


FR1 n78 / 90MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

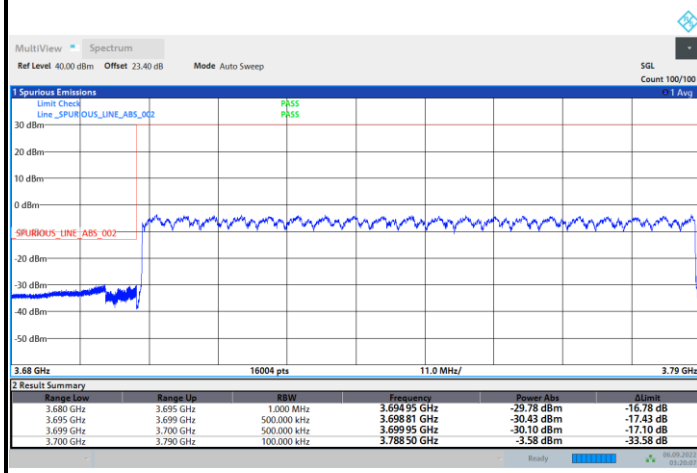


Highest Band Edge / Full RB

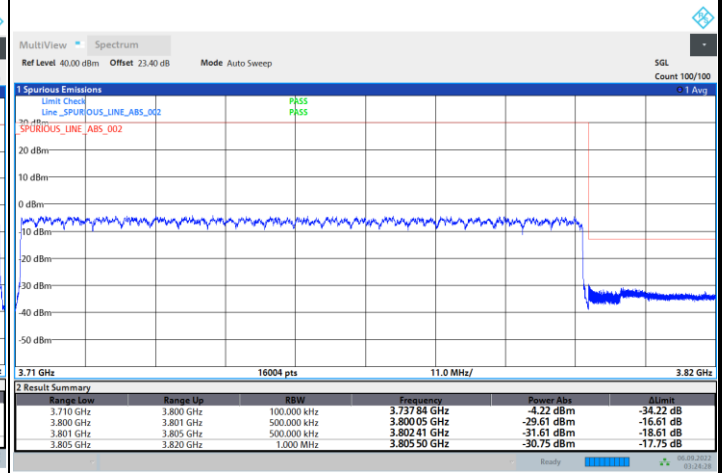


FR1 n78 / 90MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB



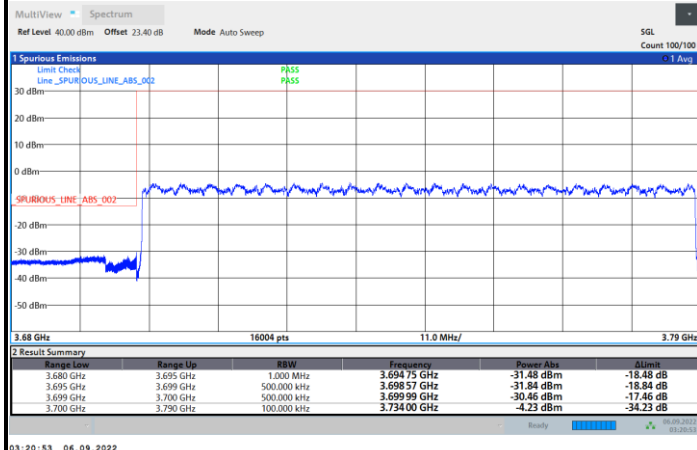
Highest Band Edge / Full RB



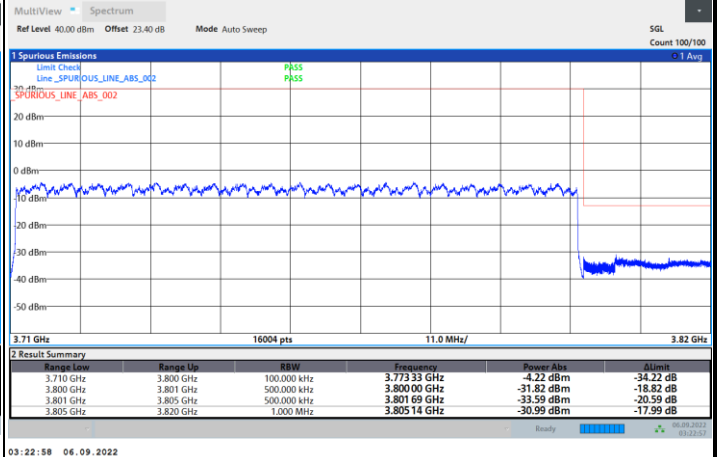


FR1 n78 / 90MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

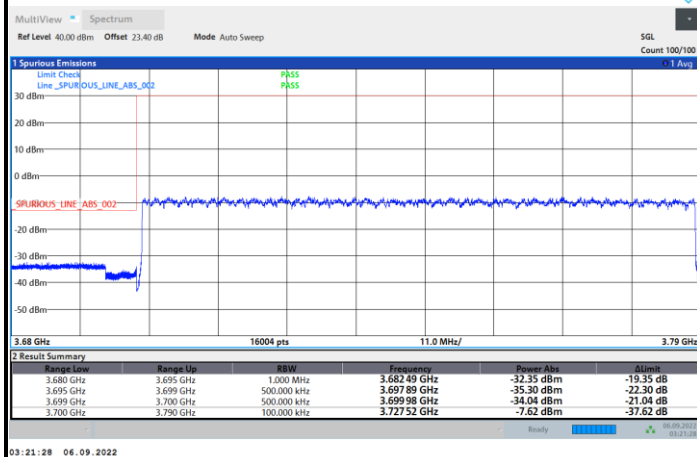


Highest Band Edge / Full RB

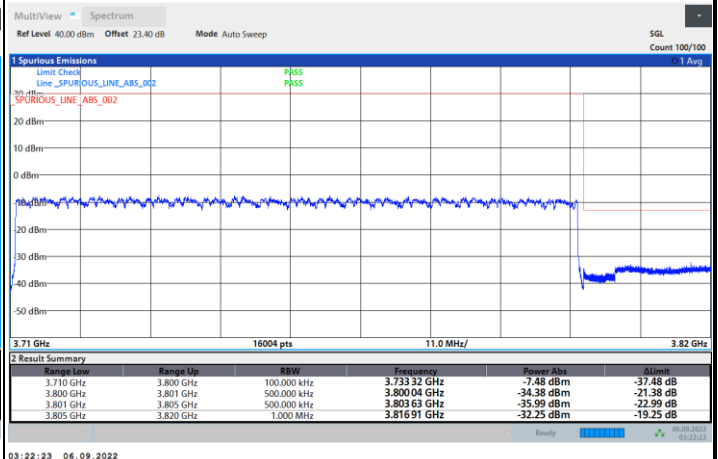


FR1 n78 / 90MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB



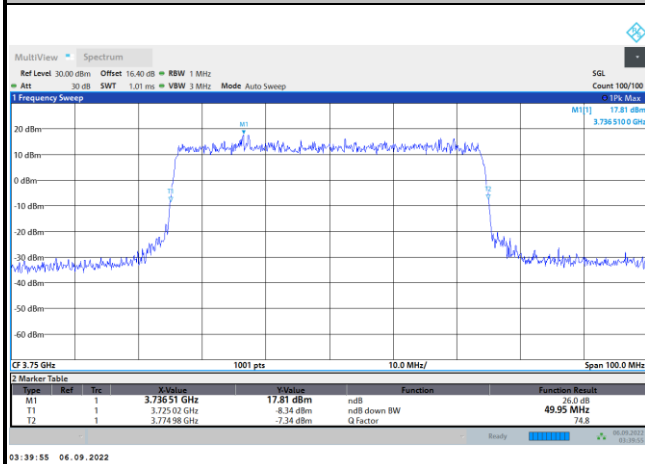
**MIMO <Ant. 3>****26dB Bandwidth**

Mode	FR1 n78 : 26dB BW(MHz) / CP OFDM							
BW	30MHz		40MHz		50MHz		60MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	--	-	49.95	50.25	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	50.05	50.25	-	-
BW	70MHz		80MHz		90MHz		100MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	70.49	70.35	-	-	90.63	90.45	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	70.49	70.21	-	-	90.63	90.63	-	-

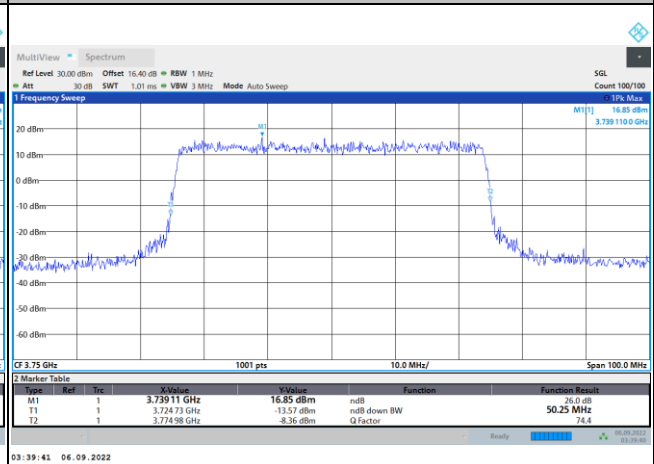


FR1 n78 / 50MHz / CP OFDM / Middle Channel / Full RB

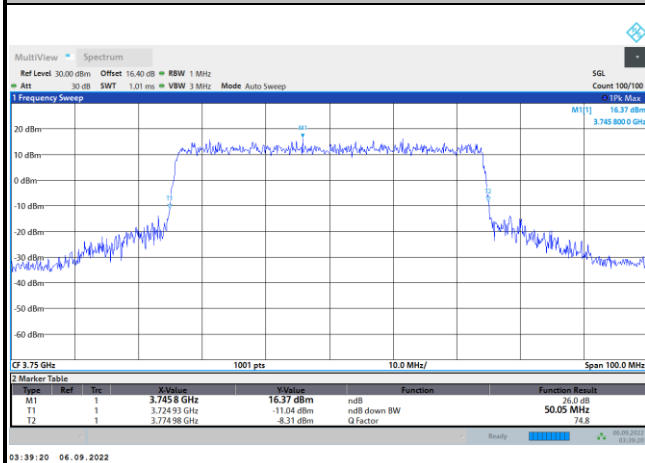
QPSK



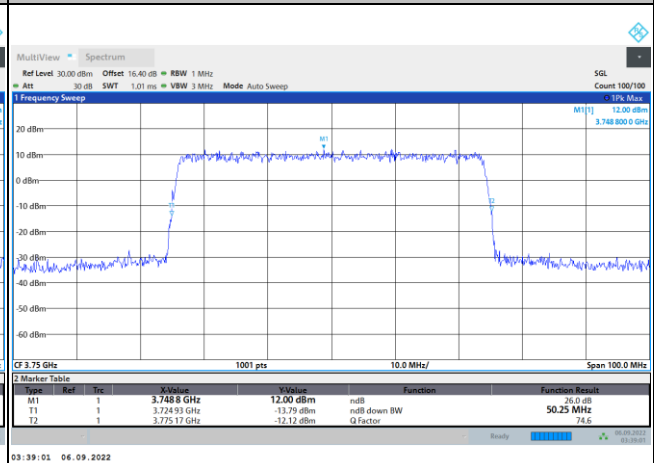
16QAM



64QAM



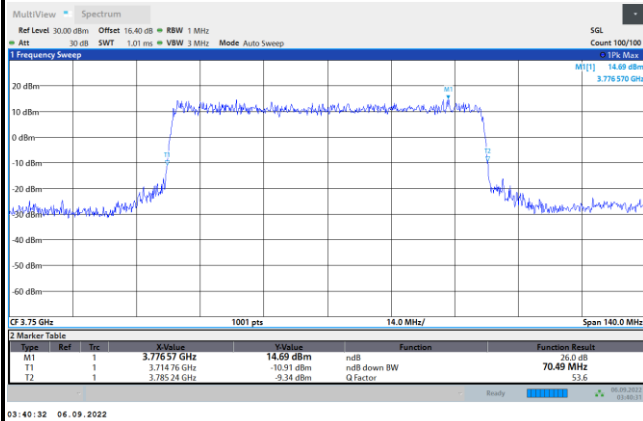
256QAM



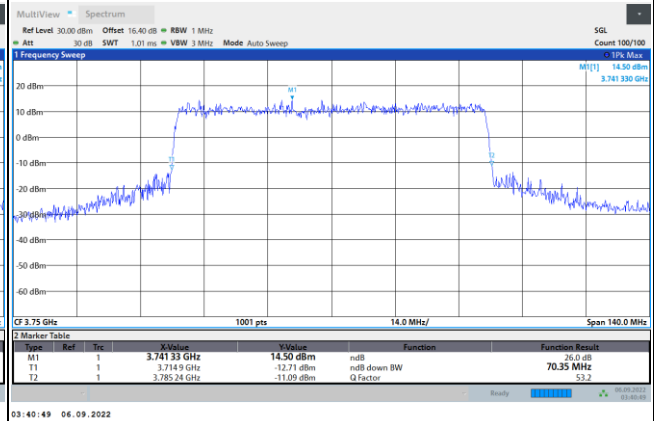


FR1 n78 / 70MHz / CP OFDM / Middle Channel / Full RB

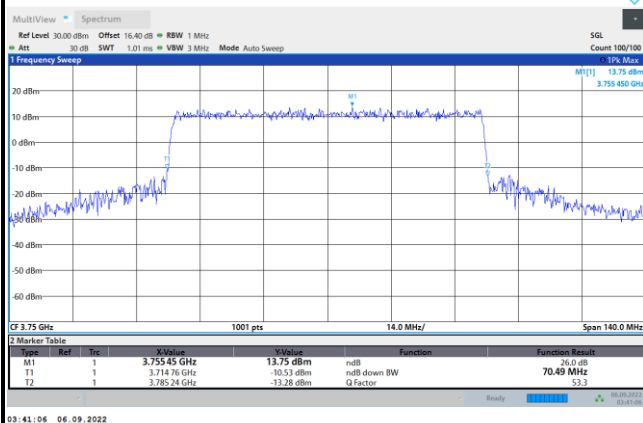
QPSK



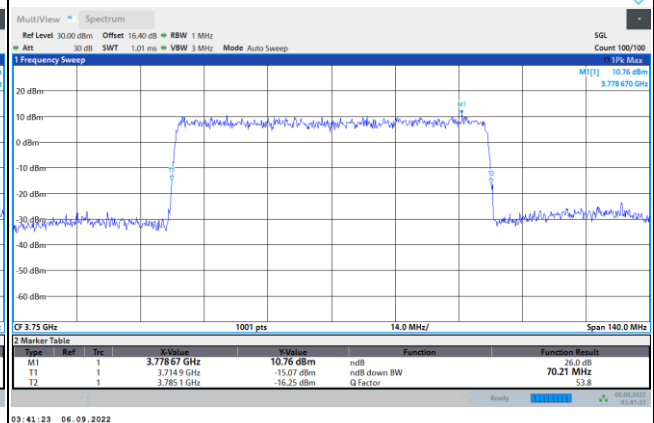
16QAM



64QAM



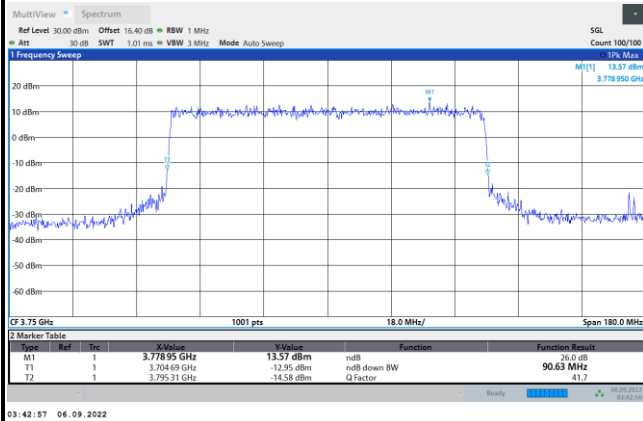
256QAM



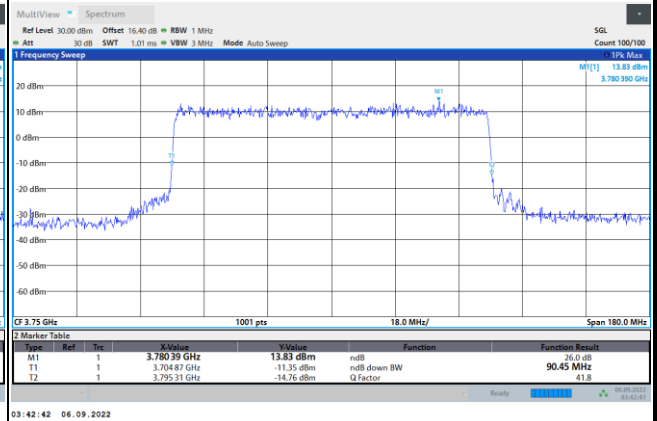


FR1 n78 / 90MHz / CP OFDM / Middle Channel / Full RB

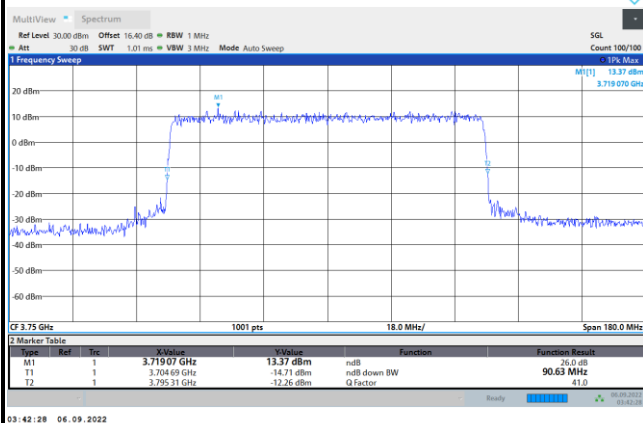
QPSK



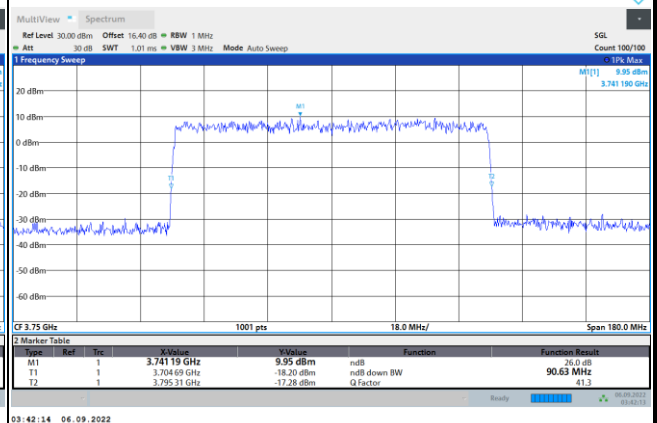
16QAM



64QAM



256QAM



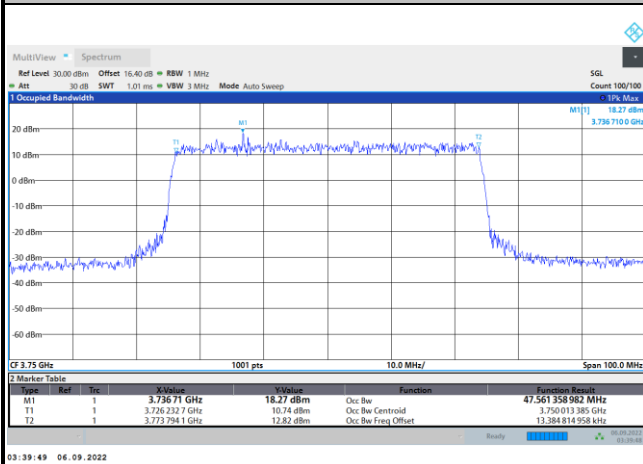
**Occupied Bandwidth**

Mode	FR1 n78 : OB BW(MHz) / CP OFDM							
BW	30MHz		40MHz		50MHz		60MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	47.56	47.39	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	47.57	47.59	-	-
BW	70MHz		80MHz		90MHz		100MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	67.44	67.53	-	-	87.45	87.30	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	67.47	67.51	-	-	87.24	87.18	-	-

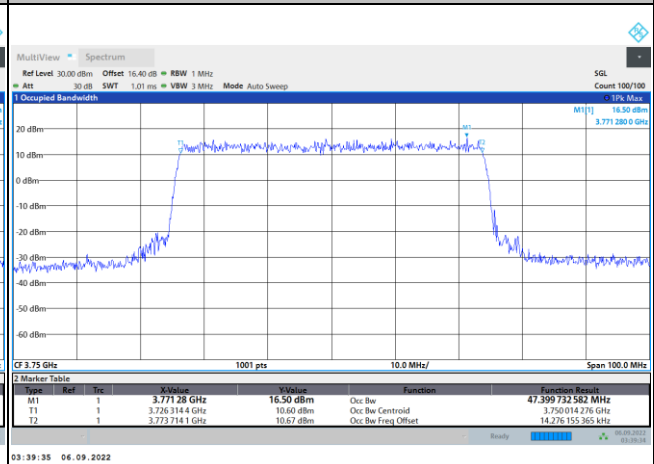


FR1 n78 / 50MHz / CP OFDM / Middle Channel / Full RB

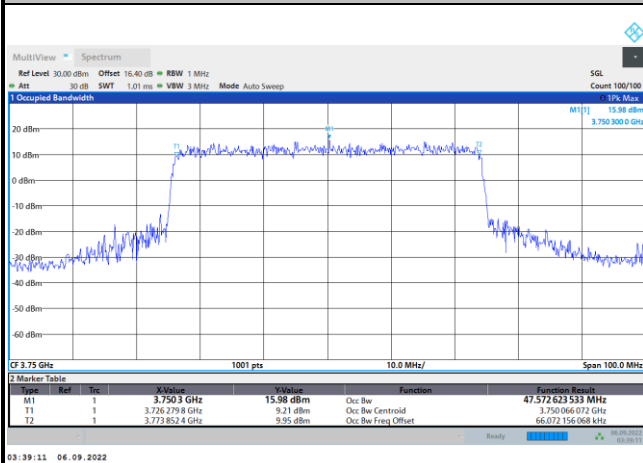
QPSK



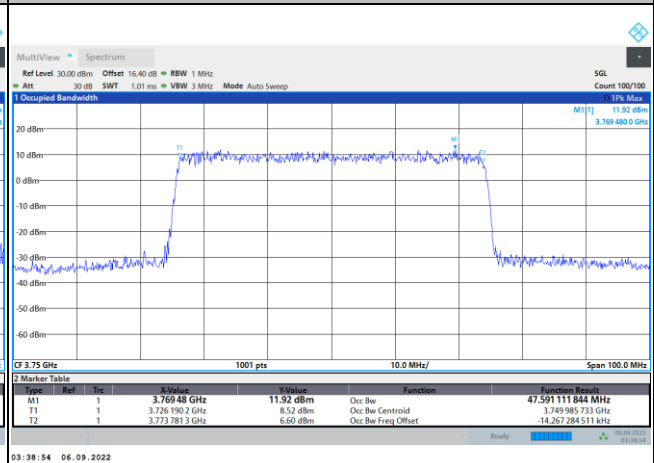
16QAM



64QAM



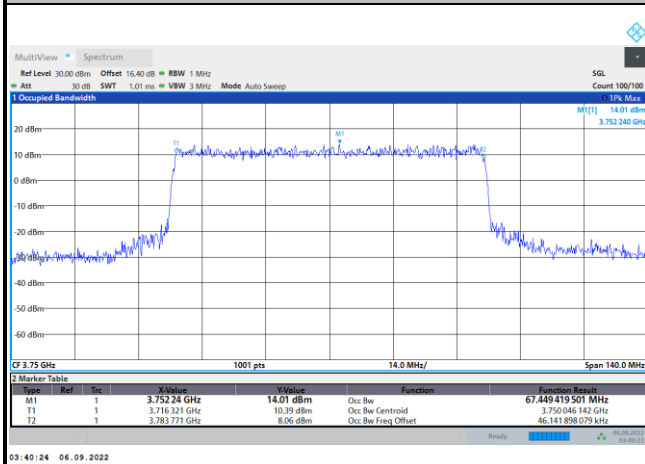
256QAM



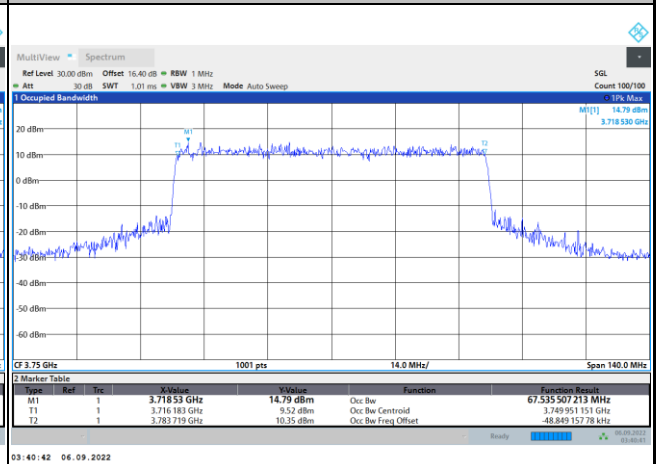


FR1 n78 / 70MHz / CP OFDM / Middle Channel / Full RB

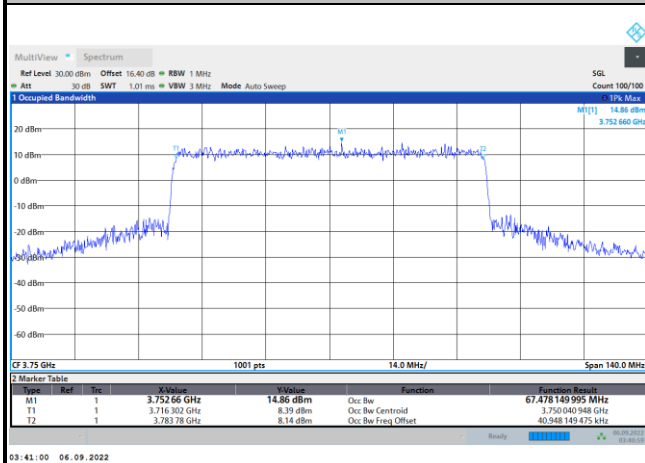
QPSK



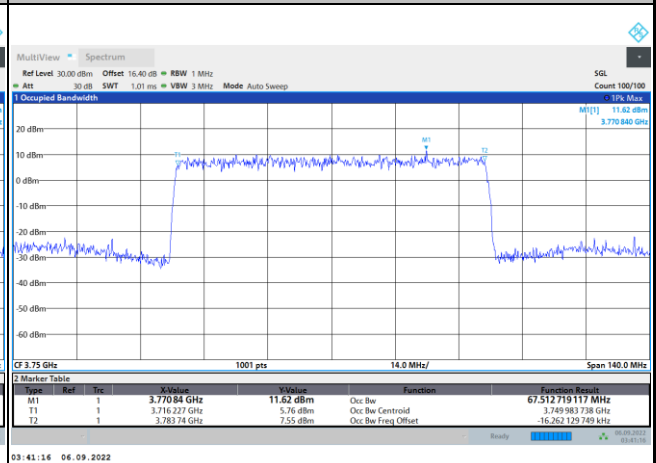
16QAM



64QAM



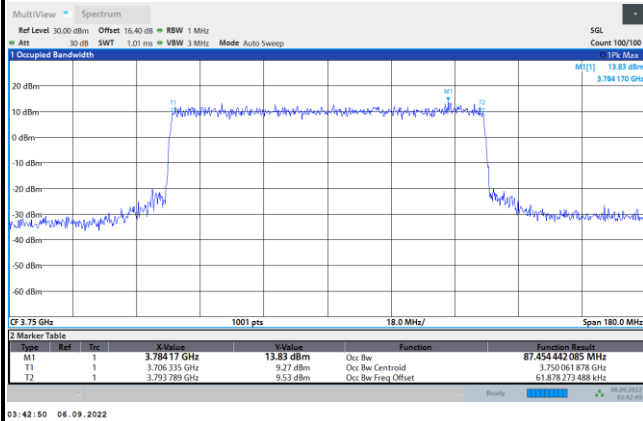
256QAM



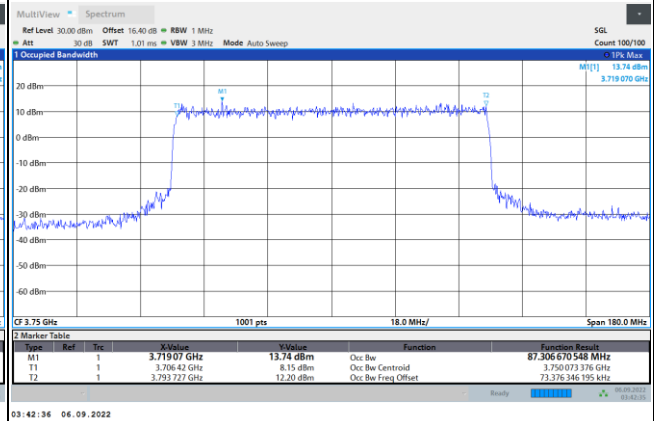


FR1 n78 / 90MHz / CP OFDM / Middle Channel / Full RB

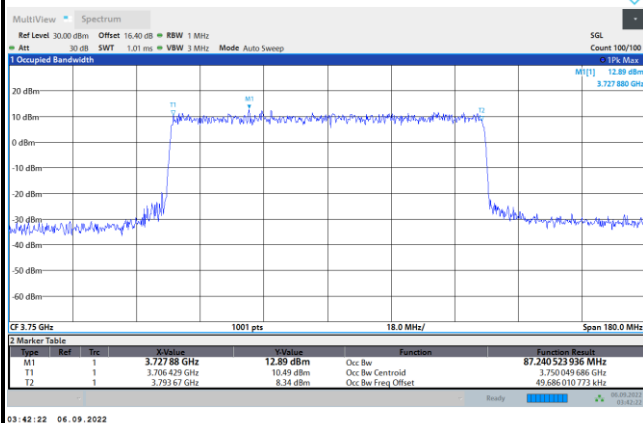
QPSK



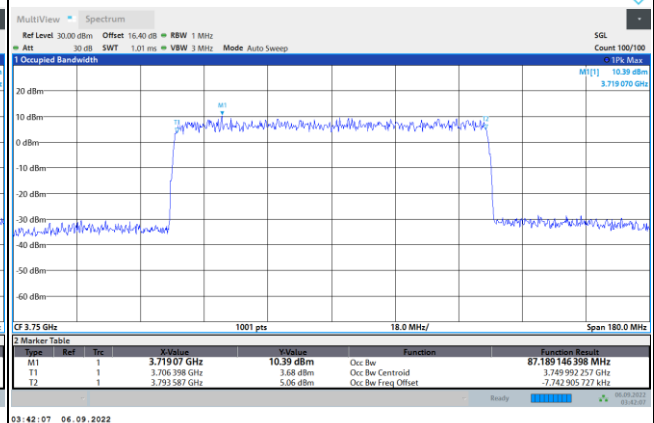
16QAM

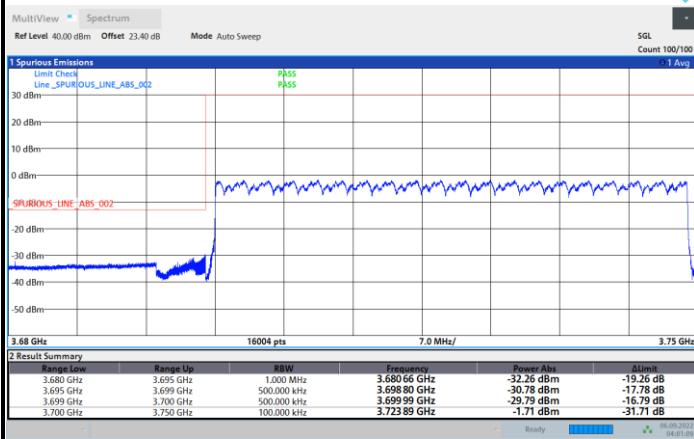
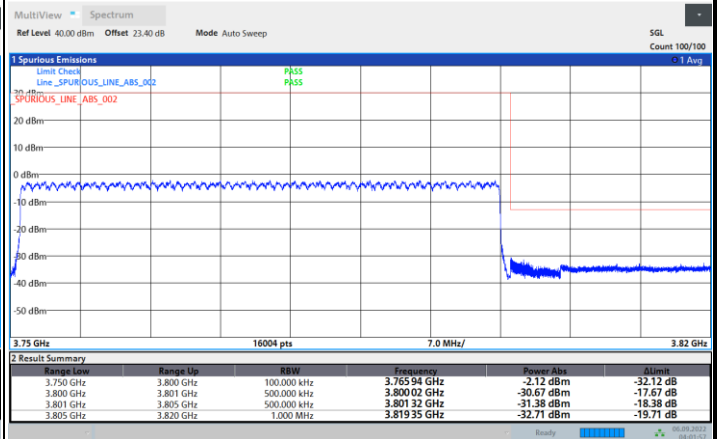
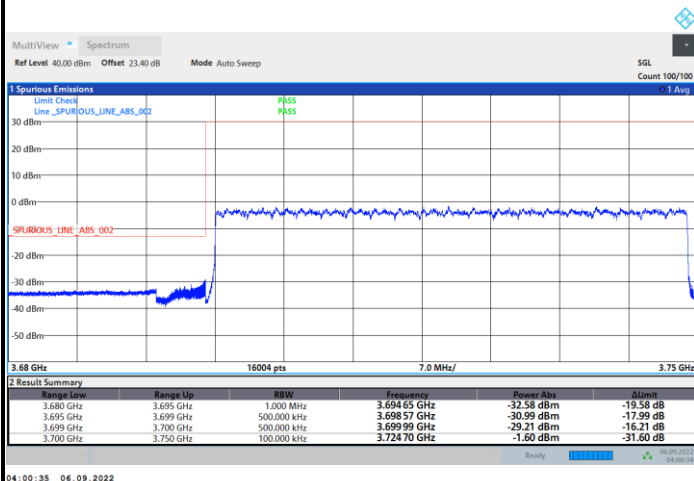
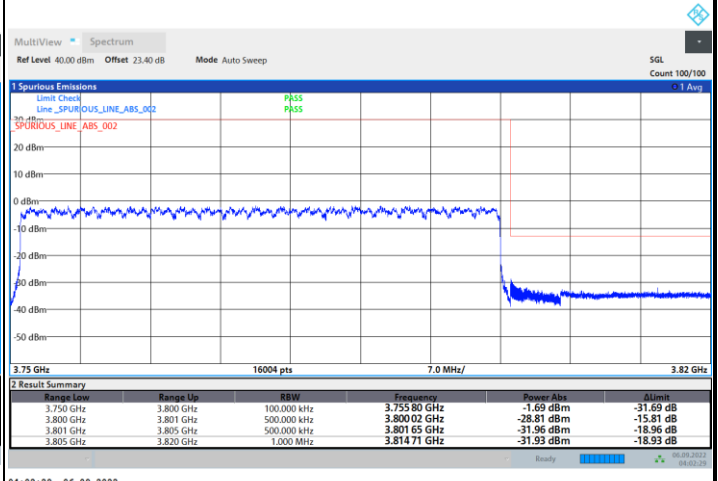


64QAM



256QAM

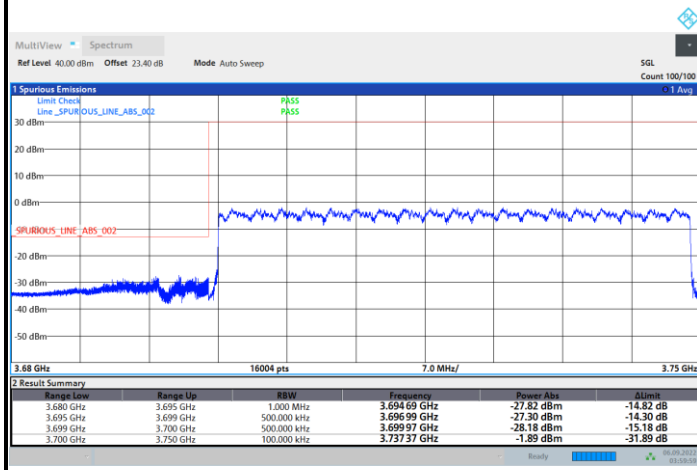


**Conducted Band Edge****FR1 n78 / 50MHz / CP OFDM / QPSK****Lowest Band Edge / Full RB****Highest Band Edge / Full RB****FR1 n78 / 50MHz / CP OFDM / 16QAM****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**

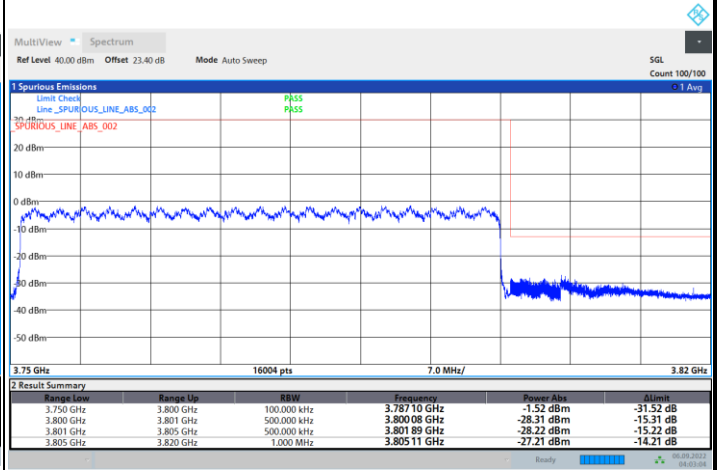


FR1 n78 / 50MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

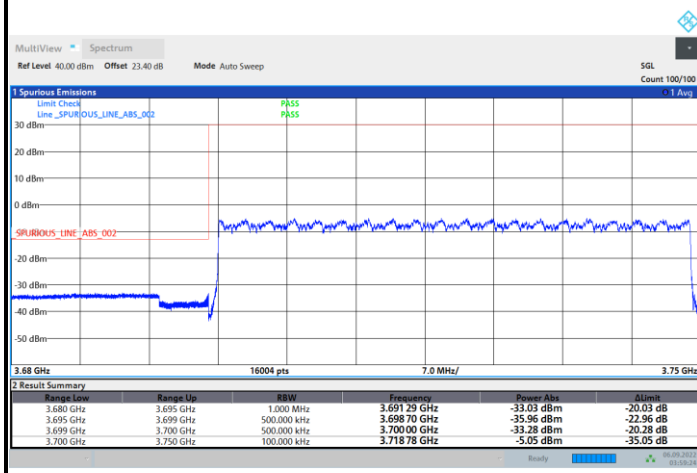


Highest Band Edge / Full RB

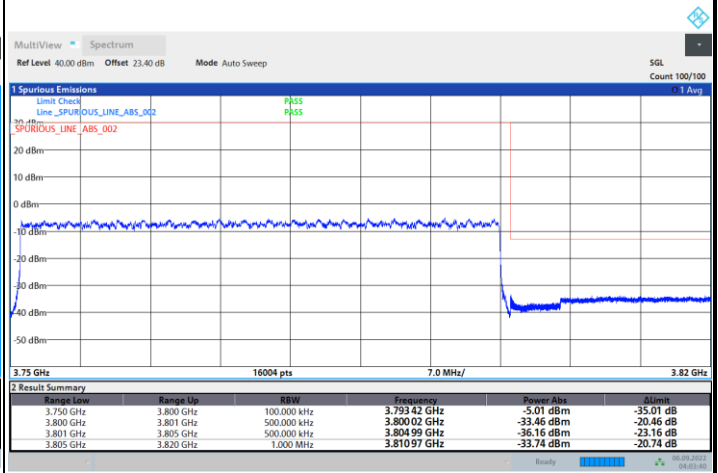


FR1 n78 / 50MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

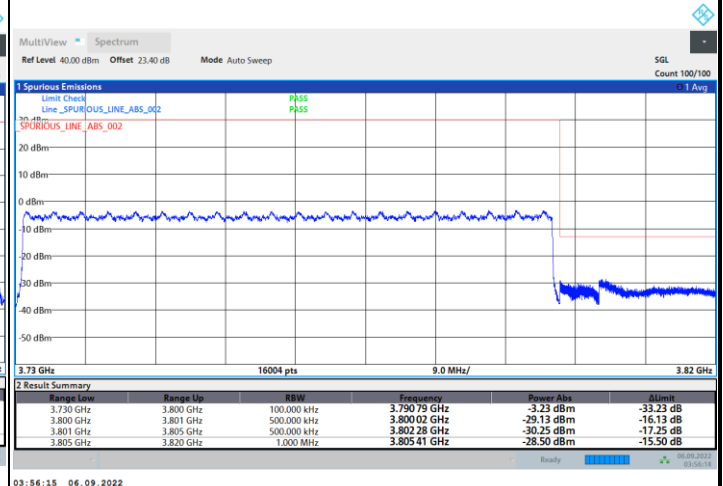
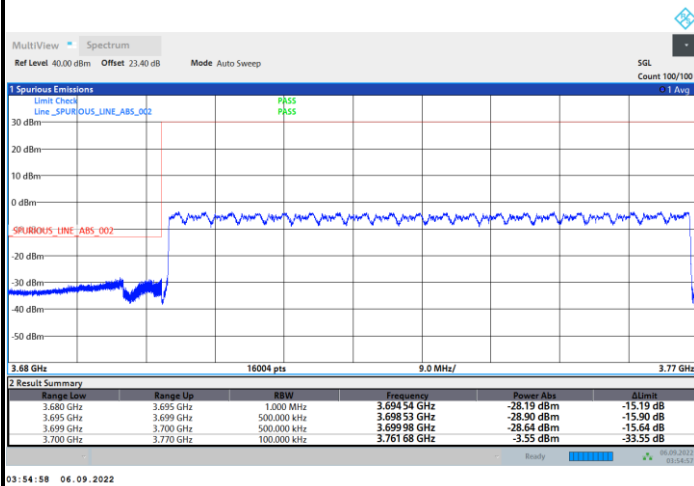




FR1 n78 / 70MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

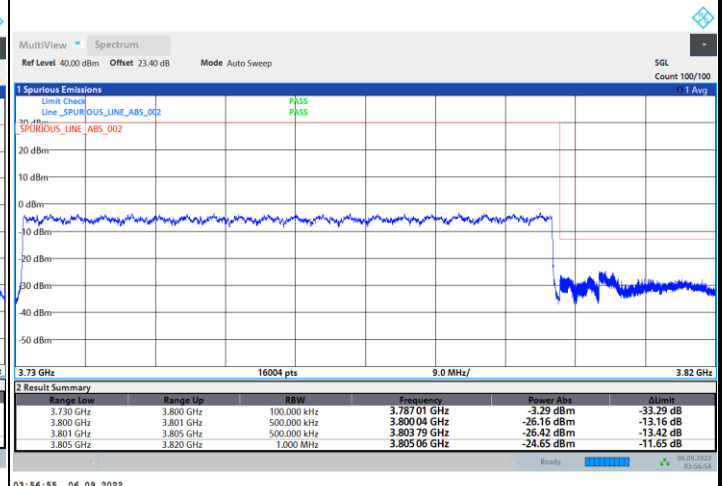
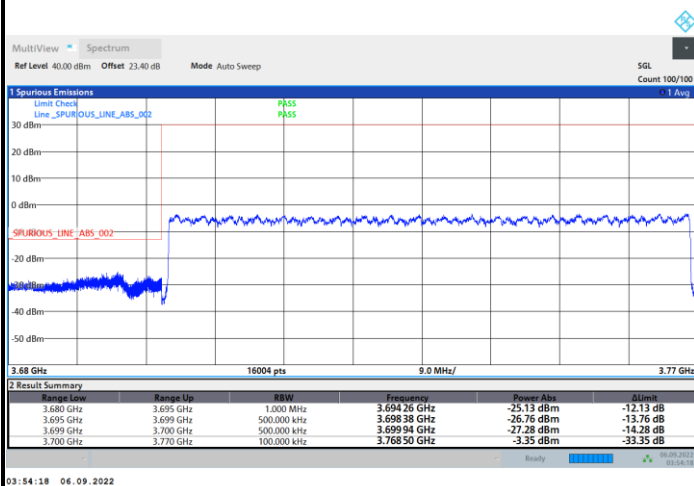
Highest Band Edge / Full RB



FR1 n78 / 70MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB

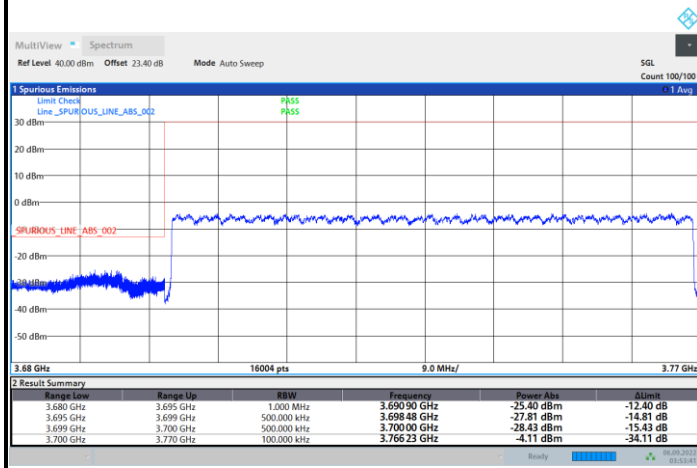
Highest Band Edge / Full RB



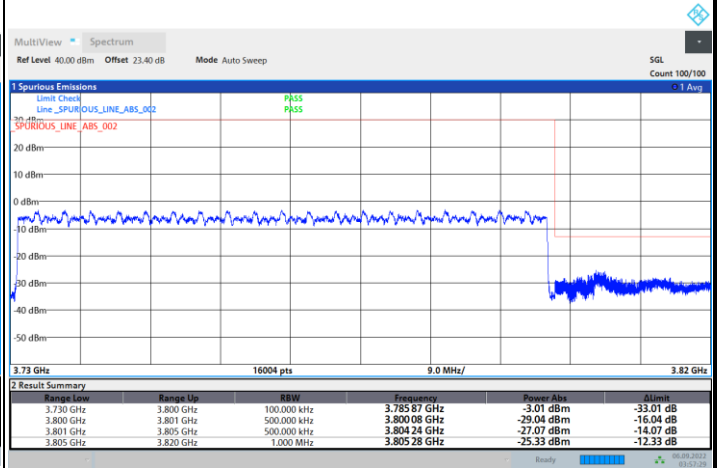


FR1 n78 / 70MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

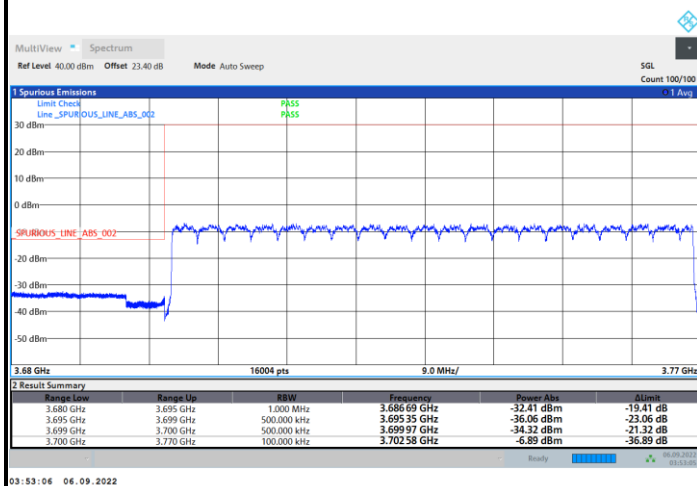


Highest Band Edge / Full RB

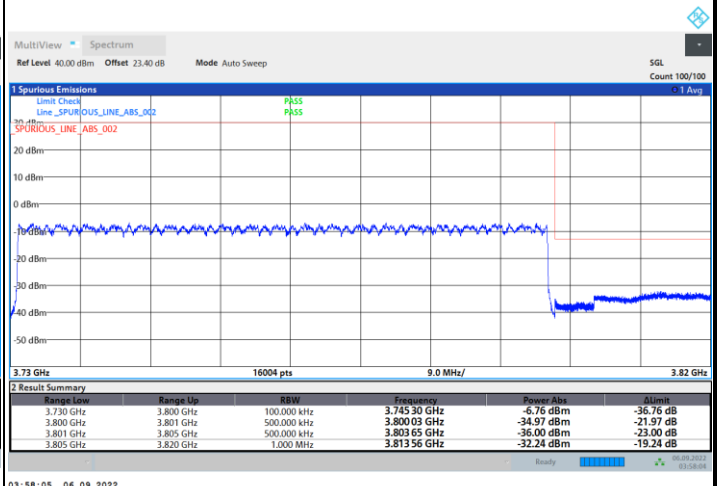


FR1 n78 / 70MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB



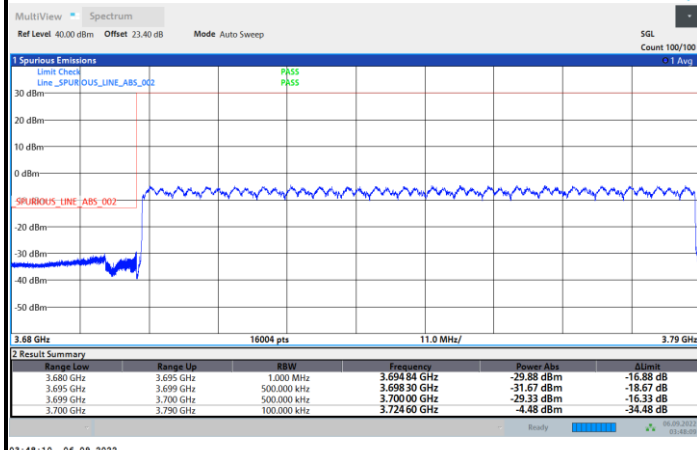
Highest Band Edge / Full RB



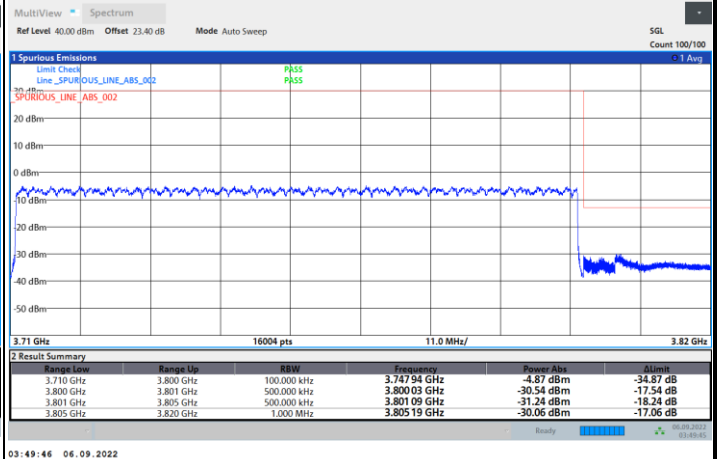


FR1 n78 / 90MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

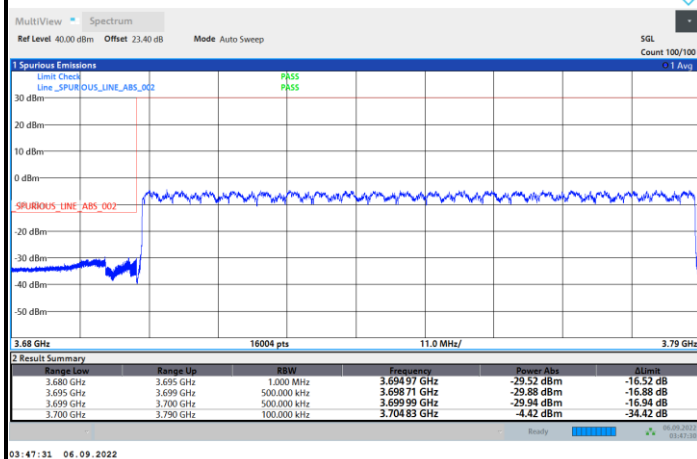


Highest Band Edge / Full RB

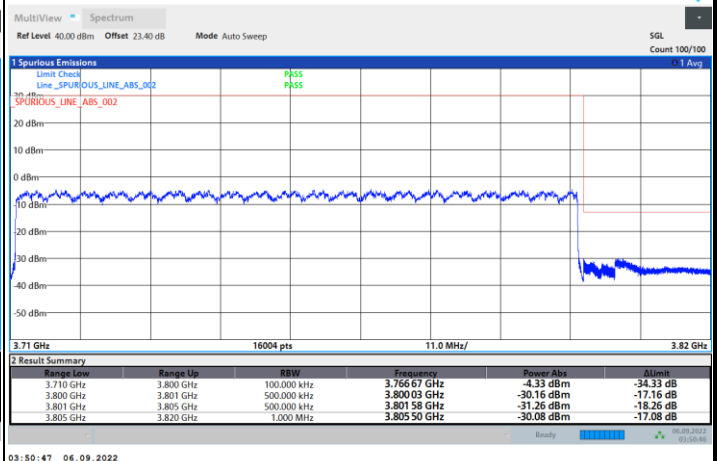


FR1 n78 / 90MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB



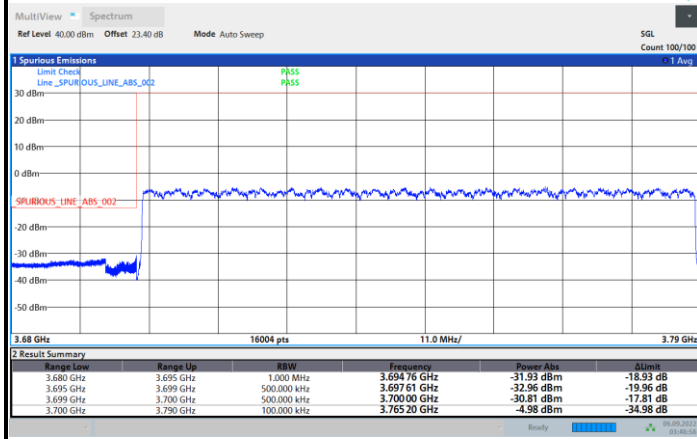
Highest Band Edge / Full RB



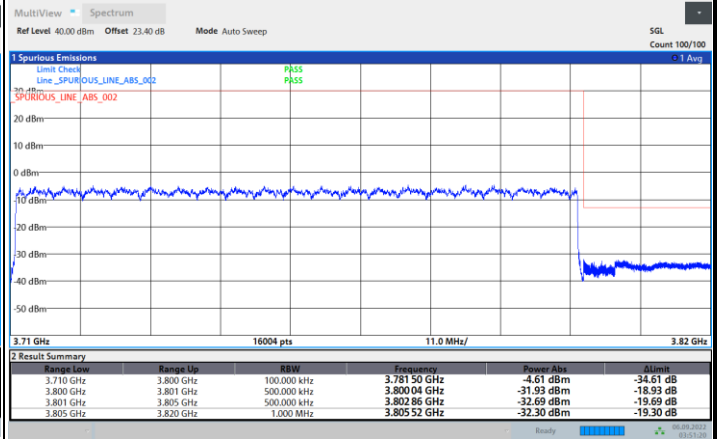


FR1 n78 / 90MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

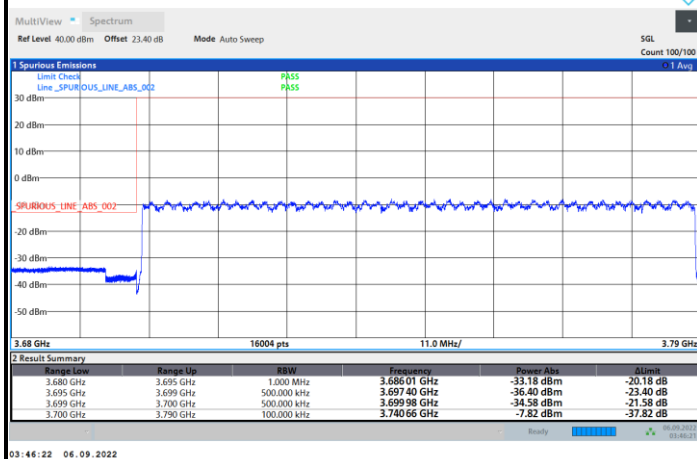


Highest Band Edge / Full RB

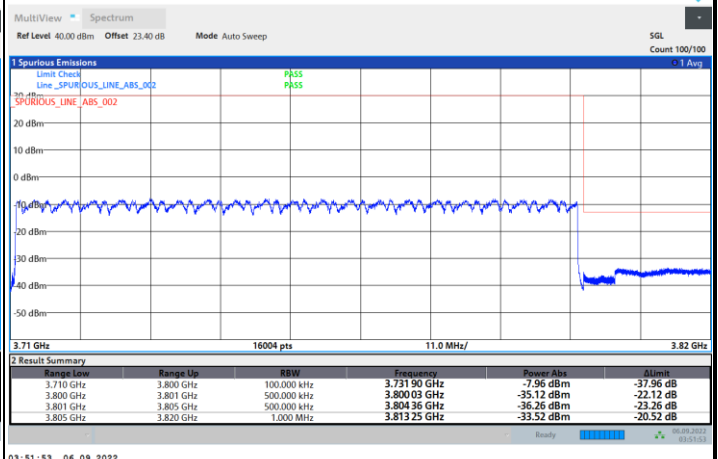


FR1 n78 / 90MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB





Appendix B. Test Results of Radiated Test

<Ant. 3>

5G NR n77 (HPUE)

5G NR n77 (HPUE) / 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)
Lowest	7402	-40.93	-13	-27.93	-71.83	-48.24	1.94	11.40	H
	11102	-34.71	-13	-21.71	-71.84	-40.94	2.24	10.62	H
	14808	-28.82	-13	-15.82	-71.74	-36.86	2.58	12.78	H
	18506	-62.49	-13	-49.49	-74.37	-74.69	3.24	17.59	H
	22208	-60.35	-13	-47.35	-76.08	-73.54	3.52	18.86	H
	25909	-58.48	-13	-45.48	-77.3	-71.49	3.92	19.08	H
									H
	7402	-40.69	-13	-27.69	-71.69	-48.00	1.94	11.40	V
	11102	-34.66	-13	-21.66	-71.74	-40.89	2.24	10.62	V
	14808	-27.41	-13	-14.41	-71.44	-35.45	2.58	12.78	V
	18506	-57.54	-13	-44.54	-69.2	-69.74	3.24	17.59	V
	22208	-60.21	-13	-47.21	-75.54	-73.40	3.52	18.86	V
	25909	-58.87	-13	-45.87	-77.38	-71.88	3.92	19.08	V
									V



Middle	7662	-40.54	-13	-27.54	-71.15	-48.13	1.89	11.63	H
	11493	-34.18	-13	-21.18	-71.72	-40.72	2.40	11.09	H
	15325	-29.17	-13	-16.17	-70.89	-39.01	2.64	14.63	H
	19156	-62.91	-13	-49.91	-74.74	-74.74	3.25	17.22	H
	22987	-59.83	-13	-46.83	-76.77	-72.72	3.57	18.61	H
	26818	-57.13	-13	-44.13	-77.36	-70.10	3.92	19.05	H
									H
	7662	-40.82	-13	-27.82	-71.65	-48.41	1.89	11.63	V
	11493	-34.14	-13	-21.14	-71.8	-40.68	2.40	11.09	V
	15325	-28.49	-13	-15.49	-70.91	-38.33	2.64	14.63	V
	19156	-63.46	-13	-50.46	-75.05	-75.29	3.25	17.22	V
	22987	-59.91	-13	-46.91	-76.52	-72.80	3.57	18.61	V
	26818	-57.48	-13	-44.48	-77.33	-70.45	3.92	19.05	V
									V
Highest	7922	-41.02	-13	-28.02	-71.91	-48.32	1.95	11.40	H
	11883	-31.96	-13	-18.96	-71.87	-39.73	2.56	12.48	H
	15845	-29.55	-13	-16.55	-70.72	-40.99	2.78	16.37	H
	19806	-62.27	-13	-49.27	-74.75	-74.36	3.20	17.44	H
	23767	-59.33	-13	-46.33	-76.63	-71.98	3.74	18.54	H
	27728	-56.81	-13	-43.81	-77.31	-70.30	3.95	19.59	H
									H
	7922	-40.73	-13	-27.73	-71.97	-48.03	1.95	11.40	V
	11883	-32.15	-13	-19.15	-71.63	-39.92	2.56	12.48	V
	15845	-29.65	-13	-16.65	-71.04	-41.09	2.78	16.37	V
	19806	-62.68	-13	-49.68	-74.87	-74.77	3.20	17.44	V
	23767	-59.61	-13	-46.61	-76.55	-72.26	3.74	18.54	V
	27728	-57.25	-13	-44.25	-77.41	-70.74	3.95	19.59	V
									V

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



<Ant. 0 + Ant. 3>

EN-DC 2A-n77A (HPUE)

EN-DC 2A-n77A / 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	7662	-40.92	-13	-27.92	-71.53	-48.51	1.89	11.63	H
	11493	-34.36	-13	-21.36	-71.9	-40.90	2.40	11.09	H
	15325	-29.40	-13	-16.40	-71.12	-39.24	2.64	14.63	H
	19156	-63.39	-13	-50.39	-75.22	-75.22	3.25	17.22	H
	22987	-59.86	-13	-46.86	-76.8	-72.75	3.57	18.61	H
	26818	-57.09	-13	-44.09	-77.33	-70.06	3.92	19.05	H
									H
	7662	-40.90	-13	-27.90	-71.73	-48.49	1.89	11.63	V
	11493	-34.15	-13	-21.15	-71.81	-40.69	2.40	11.09	V
	15325	-28.79	-13	-15.79	-71.21	-38.63	2.64	14.63	V
	19156	-63.27	-13	-50.27	-74.86	-75.10	3.25	17.22	V
	22987	-59.91	-13	-46.91	-76.52	-72.80	3.57	18.61	V
	26818	-57.79	-13	-44.79	-77.64	-70.76	3.92	19.05	V
									V

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



<Ant. 0 + Ant. 3>

EN-DC 7A-n77A (HPUE)

EN-DC 7A-n77A / 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	7662	-40.92	-13	-27.92	-71.53	-48.51	1.89	11.63	H
	11493	-34.30	-13	-21.30	-71.84	-40.84	2.40	11.09	H
	15325	-29.36	-13	-16.36	-71.08	-39.20	2.64	14.63	H
	19156	-63.33	-13	-50.33	-75.16	-75.16	3.25	17.22	H
	22987	-59.78	-13	-46.78	-76.72	-72.67	3.57	18.61	H
	26818	-57.25	-13	-44.25	-77.49	-70.22	3.92	19.05	H
									H
	7662	-41.18	-13	-28.18	-72.01	-48.77	1.89	11.63	V
	11493	-34.13	-13	-21.13	-71.79	-40.67	2.40	11.09	V
	15325	-28.67	-13	-15.67	-71.09	-38.51	2.64	14.63	V
	19156	-63.34	-13	-50.34	-74.93	-75.17	3.25	17.22	V
	22987	-59.75	-13	-46.75	-76.36	-72.64	3.57	18.61	V
	26818	-57.56	-13	-44.56	-77.41	-70.53	3.92	19.05	V
									V

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



<Ant. 0 + Ant. 3>

EN-DC 25A-n77A (HPUE)

EN-DC 25A-n77A / 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	7662	-41.09	-13	-28.09	-71.7	-48.68	1.89	11.63	H
	11493	-34.50	-13	-21.50	-72.04	-41.04	2.40	11.09	H
	15325	-29.38	-13	-16.38	-71.1	-39.22	2.64	14.63	H
	19156	-63.01	-13	-50.01	-74.84	-74.84	3.25	17.22	H
	22987	-60.00	-13	-47.00	-76.94	-72.89	3.57	18.61	H
	26818	-57.21	-13	-44.21	-77.45	-70.18	3.92	19.05	H
									H
	7662	-40.54	-13	-27.54	-71.36	-48.13	1.89	11.63	V
	11493	-34.25	-13	-21.25	-71.91	-40.79	2.40	11.09	V
	15325	-28.56	-13	-15.56	-70.98	-38.40	2.64	14.63	V
	19156	-63.69	-13	-50.69	-75.28	-75.52	3.25	17.22	V
	22987	-60.16	-13	-47.16	-76.77	-73.05	3.57	18.61	V
	26818	-57.78	-13	-44.78	-77.63	-70.75	3.92	19.05	V
									V

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



<Ant. 0 + Ant. 3>

EN-DC 30A-n77A (HPUE)

EN-DC 30A-n77A / 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	7662	-40.71	-13	-27.71	-71.32	-48.30	1.89	11.63	H
	11493	-34.14	-13	-21.14	-71.68	-40.68	2.40	11.09	H
	15325	-29.15	-13	-16.15	-70.87	-38.99	2.64	14.63	H
	19156	-63.21	-13	-50.21	-75.04	-75.04	3.25	17.22	H
	22987	-59.96	-13	-46.96	-76.9	-72.85	3.57	18.61	H
	26818	-57.44	-13	-44.44	-77.68	-70.41	3.92	19.05	H
									H
	7662	-40.63	-13	-27.63	-71.45	-48.22	1.89	11.63	V
	11493	-34.42	-13	-21.42	-72.08	-40.96	2.40	11.09	V
	15325	-28.88	-13	-15.88	-71.3	-38.72	2.64	14.63	V
	19156	-63.60	-13	-50.60	-75.19	-75.43	3.25	17.22	V
	22987	-60.27	-13	-47.27	-76.88	-73.16	3.57	18.61	V
	26818	-57.61	-13	-44.61	-77.46	-70.58	3.92	19.05	V
									V

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



<Ant. 0 + Ant. 3>

EN-DC 41A-n77A (HPUE)

EN-DC 41A-n77A / 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	7662	-40.34	-13	-27.34	-70.95	-47.93	1.89	11.63	H
	11493	-33.73	-13	-20.73	-71.27	-40.27	2.40	11.09	H
	15325	-29.44	-13	-16.44	-71.16	-39.28	2.64	14.63	H
	19156	-63.48	-13	-50.48	-75.31	-75.31	3.25	17.22	H
	22987	-59.95	-13	-46.95	-76.89	-72.84	3.57	18.61	H
	26818	-57.15	-13	-44.15	-77.39	-70.12	3.92	19.05	H
									H
	7662	-40.81	-13	-27.81	-71.63	-48.40	1.89	11.63	V
	11493	-34.22	-13	-21.22	-71.88	-40.76	2.40	11.09	V
	15325	-29.07	-13	-16.07	-71.49	-38.91	2.64	14.63	V
	19156	-63.65	-13	-50.65	-75.24	-75.48	3.25	17.22	V
	22987	-60.02	-13	-47.02	-76.63	-72.91	3.57	18.61	V
	26818	-57.33	-13	-44.33	-77.18	-70.30	3.92	19.05	V
									V

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



<Ant. 0 + Ant. 3>

EN-DC 66A-n77A (HPUE)

EN-DC 66A-n77A / 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	7662	-40.68	-13	-27.68	-71.29	-48.27	1.89	11.63	H
	11493	-34.30	-13	-21.30	-71.84	-40.84	2.40	11.09	H
	15325	-29.00	-13	-16.00	-70.72	-38.84	2.64	14.63	H
	19156	-63.57	-13	-50.57	-75.4	-75.40	3.25	17.22	H
	22987	-59.58	-13	-46.58	-76.52	-72.47	3.57	18.61	H
	26818	-57.12	-13	-44.12	-77.36	-70.09	3.92	19.05	H
									H
	7662	-40.38	-13	-27.38	-71.2	-47.97	1.89	11.63	V
	11493	-34.12	-13	-21.12	-71.78	-40.66	2.40	11.09	V
	15325	-28.55	-13	-15.55	-70.97	-38.39	2.64	14.63	V
	19156	-63.74	-13	-50.74	-75.33	-75.57	3.25	17.22	V
	22987	-60.01	-13	-47.01	-76.62	-72.90	3.57	18.61	V
	26818	-56.81	-13	-43.81	-76.66	-69.78	3.92	19.05	V
									V

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



<Ant. 0 + Ant. 1>

EN-DC 5A-n77A (HPUE)

EN-DC 5A-n77A / 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)
Lowest	7401	-40.73	-13	-27.73	-71.64	-48.04	1.94	11.40	H
	11103	-35.01	-13	-22.01	-72.14	-41.24	2.24	10.62	H
	14808	-29.05	-13	-16.05	-71.96	-37.09	2.58	12.78	H
	18506	-62.94	-13	-49.94	-74.82	-75.14	3.24	17.59	H
	22208	-60.72	-13	-47.72	-76.45	-73.91	3.52	18.86	H
	25909	-58.21	-13	-45.21	-77.03	-71.22	3.92	19.08	H
									H
	7401	-40.76	-13	-27.76	-71.76	-48.07	1.94	11.40	V
	11103	-35.03	-13	-22.03	-72.11	-41.26	2.24	10.62	V
	14808	-27.99	-13	-14.99	-72.02	-36.03	2.58	12.78	V
	18506	-62.74	-13	-49.74	-74.4	-74.94	3.24	17.59	V
	22208	-60.74	-13	-47.74	-76.07	-73.93	3.52	18.86	V
	25909	-58.68	-13	-45.68	-77.19	-71.69	3.92	19.08	V
									V



Middle	7662	-40.89	-13	-27.89	-71.5	-48.48	1.89	11.63	H
	11493	-34.79	-13	-21.79	-72.33	-41.33	2.40	11.09	H
	15325	-29.87	-13	-16.87	-71.59	-39.71	2.64	14.63	H
	19156	-63.56	-13	-50.56	-75.39	-75.39	3.25	17.22	H
	22987	-60.22	-13	-47.22	-77.16	-73.11	3.57	18.61	H
	26818	-57.33	-13	-44.33	-77.57	-70.30	3.92	19.05	H
									H
	7662	-40.93	-13	-27.93	-71.75	-48.52	1.89	11.63	V
	11493	-34.55	-13	-21.55	-72.21	-41.09	2.40	11.09	V
	15325	-29.14	-13	-16.14	-71.56	-38.98	2.64	14.63	V
	19156	-63.69	-13	-50.69	-75.28	-75.52	3.25	17.22	V
	22987	-60.15	-13	-47.15	-76.76	-73.04	3.57	18.61	V
	26818	-57.15	-13	-44.15	-77	-70.12	3.92	19.05	V
									V
Highest	-40.79	-13	-27.79	-72.02	-48.09	1.95	11.40	-40.79	H
	-32.64	-13	-19.64	-71.77	-40.41	2.56	12.48	-32.64	H
	-30.96	-13	-17.96	-71.32	-42.40	2.78	16.37	-30.96	H
	-63.34	-13	-50.34	-75.82	-75.43	3.20	17.44	-63.34	H
	-59.10	-13	-46.10	-76.4	-71.75	3.74	18.54	-59.10	H
	-57.29	-13	-44.29	-77.79	-70.78	3.95	19.59	-57.29	H
									H
	-40.35	-13	-27.35	-71.94	-47.65	1.95	11.40	-40.35	V
	-33.08	-13	-20.08	-71.79	-40.85	2.56	12.48	-33.08	V
	-30.90	-13	-17.90	-71.48	-42.34	2.78	16.37	-30.90	V
	-63.41	-13	-50.41	-75.6	-75.50	3.20	17.44	-63.41	V
	-59.89	-13	-46.89	-76.83	-72.54	3.74	18.54	-59.89	V
	-57.01	-13	-44.01	-77.17	-70.50	3.95	19.59	-57.01	V
									V

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



<Ant. 0 + Ant. 1>

EN-DC 12A-n77A (HPUE)

EN-DC 12A-n77A / 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	7662	-40.82	-13	-27.82	-71.43	-48.41	1.89	11.63	H
	11493	-34.52	-13	-21.52	-72.06	-41.06	2.40	11.09	H
	15325	-29.11	-13	-16.11	-70.83	-38.95	2.64	14.63	H
	19156	-63.27	-13	-50.27	-75.1	-75.10	3.25	17.22	H
	22987	-59.78	-13	-46.78	-76.72	-72.67	3.57	18.61	H
	26818	-57.33	-13	-44.33	-77.57	-70.30	3.92	19.05	H
									H
	7662	-40.32	-13	-27.32	-71.14	-47.91	1.89	11.63	V
	11493	-33.97	-13	-20.97	-71.63	-40.51	2.40	11.09	V
	15325	-28.93	-13	-15.93	-71.35	-38.77	2.64	14.63	V
	19156	-63.16	-13	-50.16	-74.75	-74.99	3.25	17.22	V
	22987	-60.19	-13	-47.19	-76.8	-73.08	3.57	18.61	V
	26818	-57.82	-13	-44.82	-77.67	-70.79	3.92	19.05	V
									V

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



<Ant. 0 + Ant. 1>

EN-DC 13A-n77A (HPUE)

EN-DC 13A-n77A / 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	7662	-40.95	-13	-27.95	-71.56	-48.54	1.89	11.63	H
	11493	-33.98	-13	-20.98	-71.52	-40.52	2.40	11.09	H
	15325	-29.52	-13	-16.52	-71.24	-39.36	2.64	14.63	H
	19156	-63.17	-13	-50.17	-75	-75.00	3.25	17.22	H
	22987	-59.15	-13	-46.15	-76.09	-72.04	3.57	18.61	H
	26818	-57.01	-13	-44.01	-77.25	-69.98	3.92	19.05	H
									H
	7662	-40.89	-13	-27.89	-71.71	-48.48	1.89	11.63	V
	11493	-34.34	-13	-21.34	-72	-40.88	2.40	11.09	V
	15325	-28.85	-13	-15.85	-71.27	-38.69	2.64	14.63	V
	19156	-63.56	-13	-50.56	-75.15	-75.39	3.25	17.22	V
	22987	-59.99	-13	-46.99	-76.6	-72.88	3.57	18.61	V
	26818	-57.61	-13	-44.61	-77.46	-70.58	3.92	19.05	V
									V

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



<Ant. 0 + Ant. 1>

EN-DC 14A-n77A (HPUE)

EN-DC 14A-n77A / 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	7662	-40.99	-13	-27.99	-71.6	-48.58	1.89	11.63	H
	11493	-34.34	-13	-21.34	-71.88	-40.88	2.40	11.09	H
	15325	-29.43	-13	-16.43	-71.15	-39.27	2.64	14.63	H
	19156	-63.44	-13	-50.44	-75.27	-75.27	3.25	17.22	H
	22987	-60.04	-13	-47.04	-76.98	-72.93	3.57	18.61	H
	26818	-57.03	-13	-44.03	-77.27	-70.00	3.92	19.05	H
									H
	7662	-41.01	-13	-28.01	-71.83	-48.60	1.89	11.63	V
	11493	-34.36	-13	-21.36	-72.02	-40.90	2.40	11.09	V
	15325	-29.10	-13	-16.10	-71.52	-38.94	2.64	14.63	V
	19156	-63.46	-13	-50.46	-75.05	-75.29	3.25	17.22	V
	22987	-60.04	-13	-47.04	-76.65	-72.93	3.57	18.61	V
	26818	-57.05	-13	-44.05	-76.9	-70.02	3.92	19.05	V
									V

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



<Ant. 0 + Ant. 1>

EN-DC 71A-n77A (HPUE)

EN-DC 71A-n77A / 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	7662	-41.46	-13	-28.46	-72.07	-49.05	1.89	11.63	H
	11493	-34.73	-13	-21.73	-72.27	-41.27	2.40	11.09	H
	15325	-29.60	-13	-16.60	-71.32	-39.44	2.64	14.63	H
	19156	-63.44	-13	-50.44	-75.27	-75.27	3.25	17.22	H
	22987	-60.10	-13	-47.10	-77.04	-72.99	3.57	18.61	H
	26818	-56.83	-13	-43.83	-77.07	-69.80	3.92	19.05	H
									H
	7662	-40.84	-13	-27.84	-71.66	-48.43	1.89	11.63	V
	11493	-34.45	-13	-21.45	-72.11	-40.99	2.40	11.09	V
	15325	-28.82	-13	-15.82	-71.24	-38.66	2.64	14.63	V
	19156	-63.46	-13	-50.46	-75.05	-75.29	3.25	17.22	V
	22987	-60.11	-13	-47.11	-76.72	-73.00	3.57	18.61	V
	26818	-57.67	-13	-44.67	-77.52	-70.64	3.92	19.05	V
									V

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



<MIMO Antenna>

MIMO <Ant. 3+1>

5G NR n77 (HPUE)

5G NR n77 (HPUE) / 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	7402	-40.78	-13	-27.78	-71.69	-48.09	1.94	11.40	H
	11102	-35.18	-13	-22.18	-72.31	-41.41	2.24	10.62	H
	14808	-28.92	-13	-15.92	-71.83	-36.96	2.58	12.78	H
	18506	-61.76	-13	-48.76	-73.64	-73.96	3.24	17.59	H
	22208	-59.88	-13	-46.88	-75.61	-73.07	3.52	18.86	H
	25909	-58.14	-13	-45.14	-76.96	-71.15	3.92	19.08	H
									H
	7402	-40.94	-13	-27.94	-71.94	-48.25	1.94	11.40	V
	11102	-35.01	-13	-22.01	-72.09	-41.24	2.24	10.62	V
	14808	-27.67	-13	-14.67	-71.7	-35.71	2.58	12.78	V
	18506	-62.32	-13	-49.32	-73.98	-74.52	3.24	17.59	V
	22208	-60.44	-13	-47.44	-75.77	-73.63	3.52	18.86	V
	25909	-58.67	-13	-45.67	-77.18	-71.68	3.92	19.08	V
									V



Middle	7662	-40.88	-13	-27.88	-71.49	-48.47	1.89	11.63	H
	11493	-34.26	-13	-21.26	-71.8	-40.80	2.40	11.09	H
	15325	-29.83	-13	-16.83	-71.55	-39.67	2.64	14.63	H
	19156	-63.20	-13	-50.20	-75.03	-75.03	3.25	17.22	H
	22987	-59.72	-13	-46.72	-76.66	-72.61	3.57	18.61	H
	26818	-57.22	-13	-44.22	-77.45	-70.19	3.92	19.05	H
									H
	7662	-41.05	-13	-28.05	-71.87	-48.64	1.89	11.63	V
	11493	-34.49	-13	-21.49	-72.15	-41.03	2.40	11.09	V
	15325	-29.32	-13	-16.32	-71.74	-39.16	2.64	14.63	V
	19156	-61.32	-13	-48.32	-72.91	-73.15	3.25	17.22	V
	22987	-60.16	-13	-47.16	-76.77	-73.05	3.57	18.61	V
	26818	-57.00	-13	-44.00	-76.85	-69.97	3.92	19.05	V
									V
Highest	7922	-40.91	-13	-27.91	-72.14	-48.21	1.95	11.40	H
	11883	-32.24	-13	-19.24	-71.37	-40.01	2.56	12.48	H
	15845	-30.97	-13	-17.97	-71.33	-42.41	2.78	16.37	H
	19806	-62.54	-13	-49.54	-74.73	-74.63	3.20	17.44	H
	23767	-59.71	-13	-46.71	-76.65	-72.36	3.74	18.54	H
	27728	-56.94	-13	-43.94	-77.1	-70.43	3.95	19.59	H
									H
	7922	-40.37	-13	-27.37	-71.96	-47.67	1.95	11.40	V
	11883	-33.24	-13	-20.24	-71.95	-41.01	2.56	12.48	V
	15845	-30.73	-13	-17.73	-71.31	-42.17	2.78	16.37	V
	19806	-62.74	-13	-49.74	-75.22	-74.83	3.20	17.44	V
	23767	-59.35	-13	-46.35	-76.65	-72.00	3.74	18.54	V
	27728	-56.86	-13	-43.86	-77.36	-70.35	3.95	19.59	V
									V

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