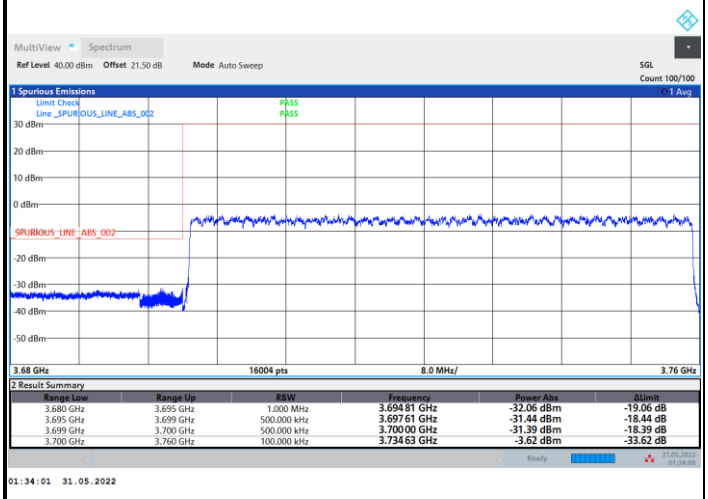
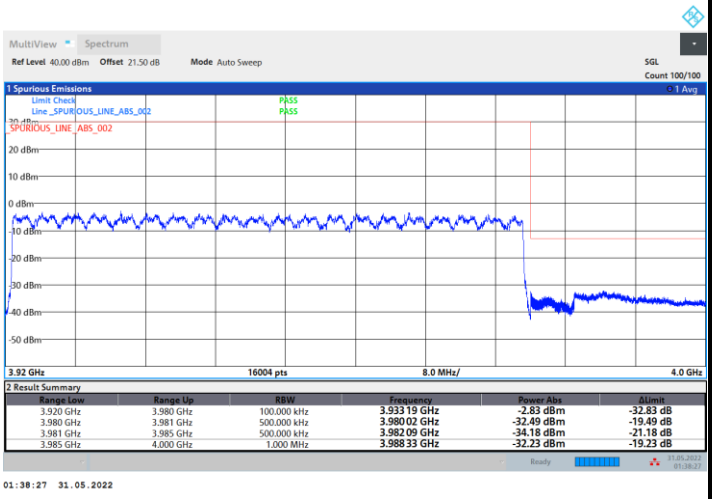
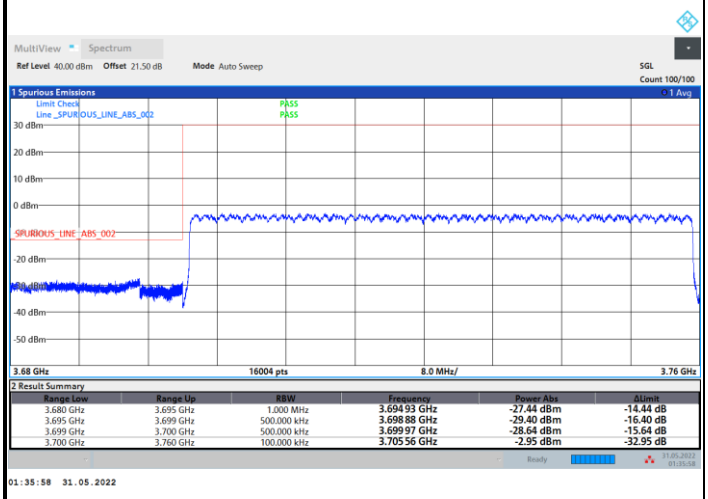
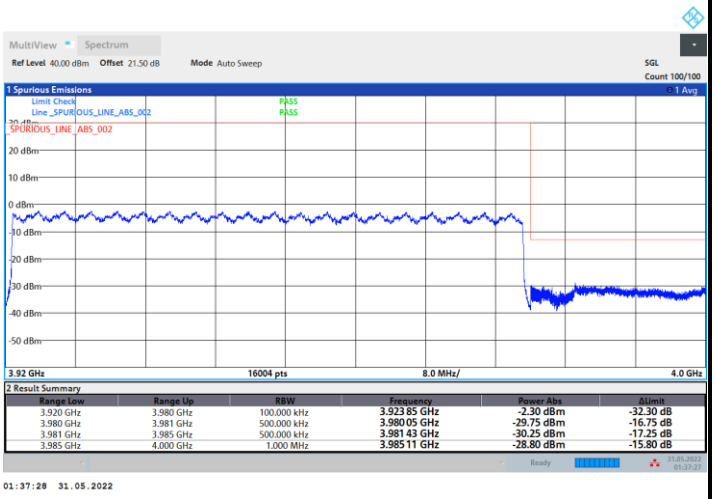
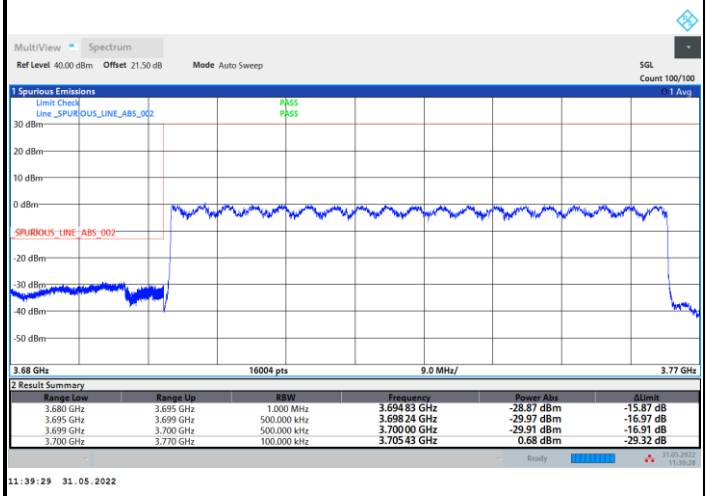
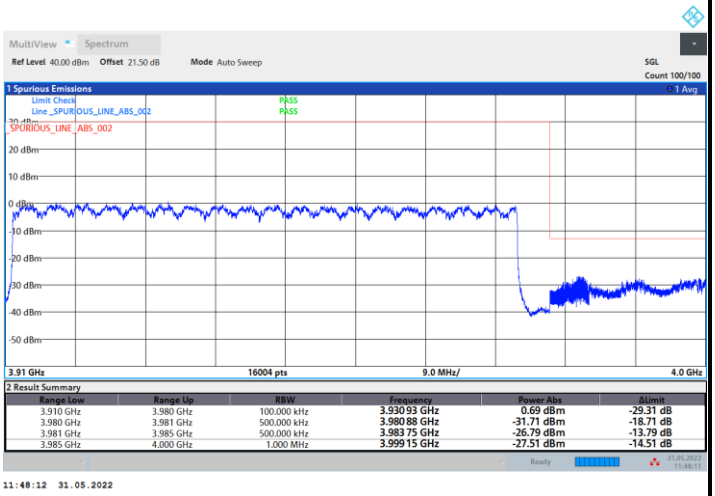
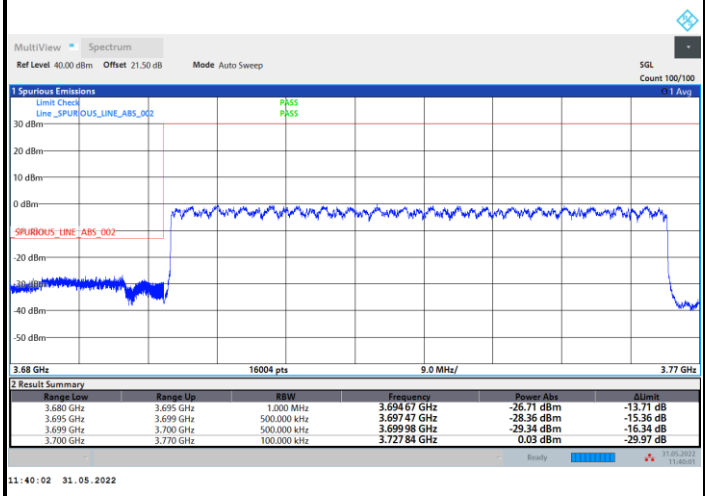
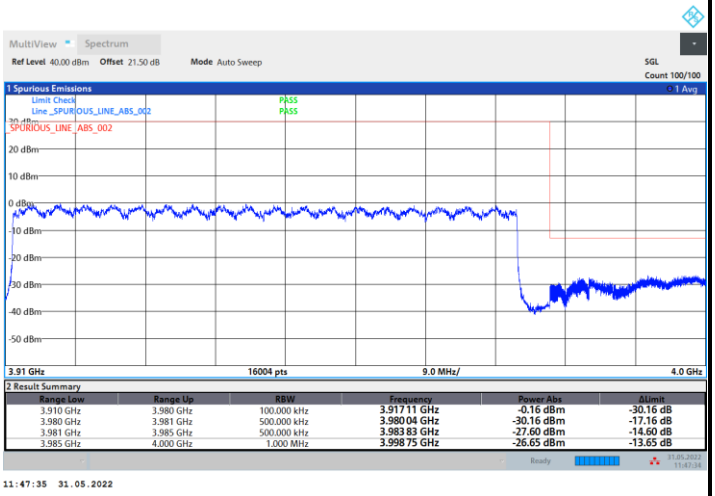
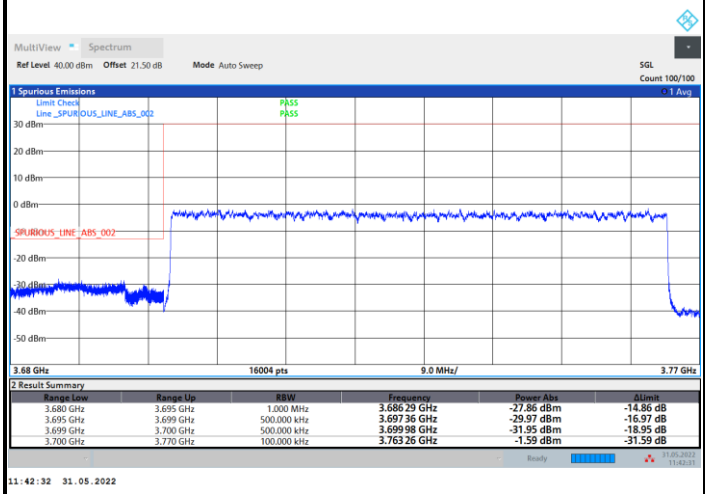
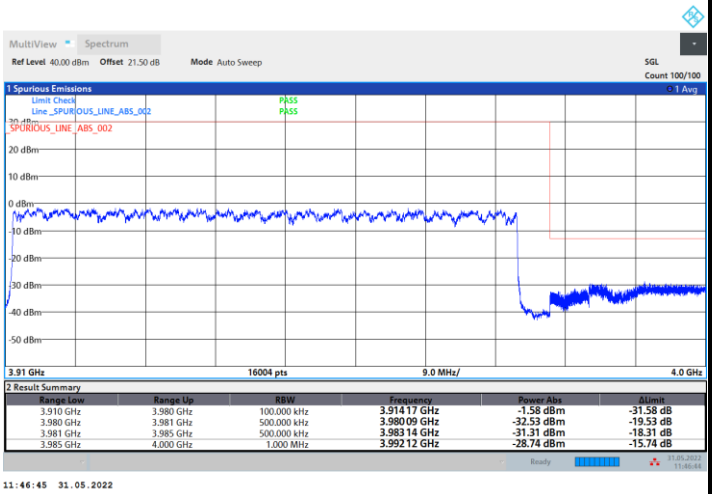
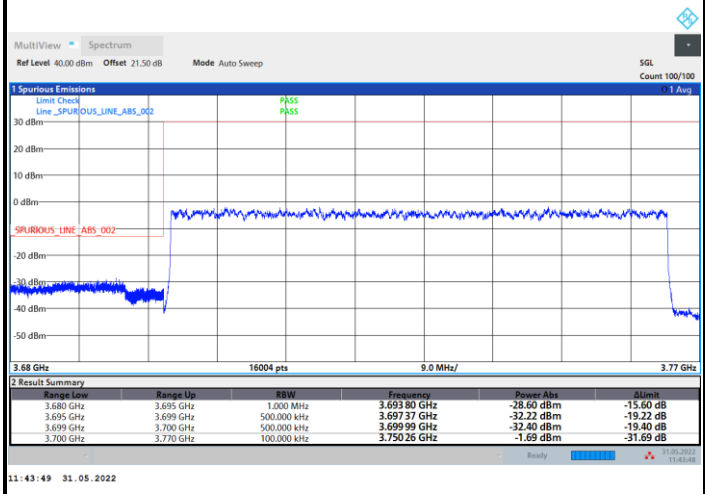
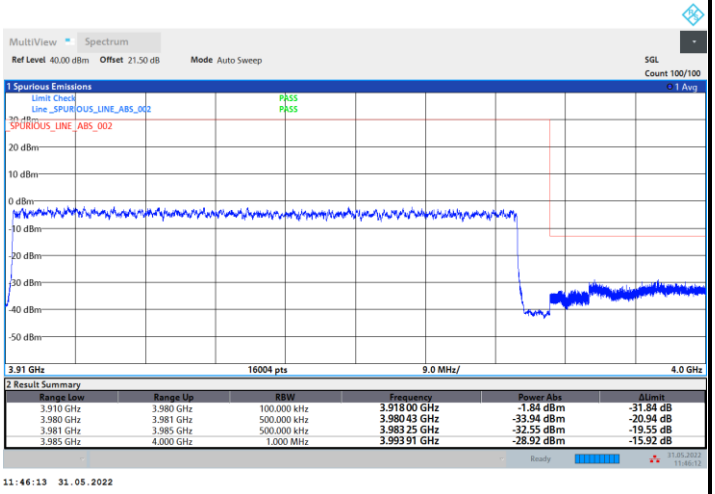
FR1 n77 / 60MHz / DFT-S OFDM / 256QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

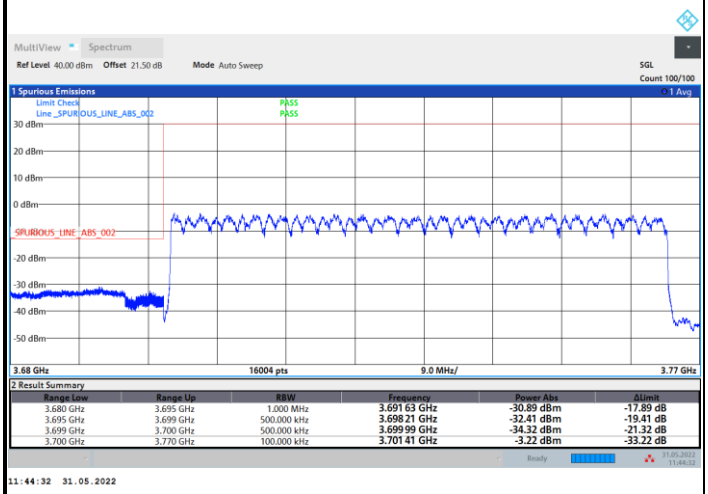
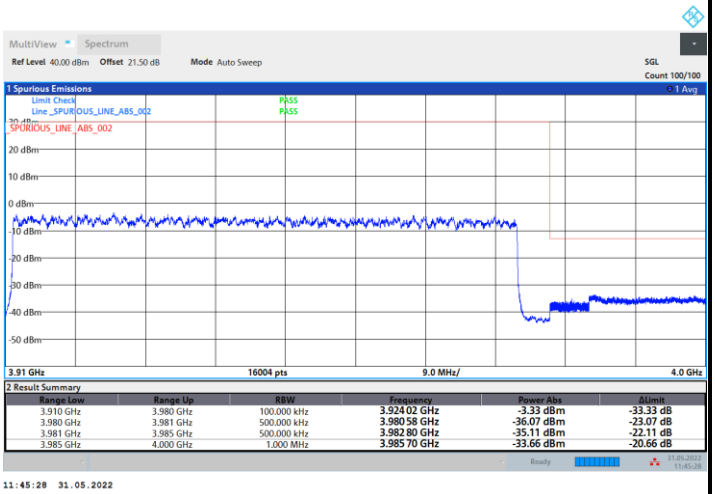
FR1 n77 / 60MHz / CP OFDM / QPSK / Full RB	
Lowest Band Edge	**Highest Band Edge**
	

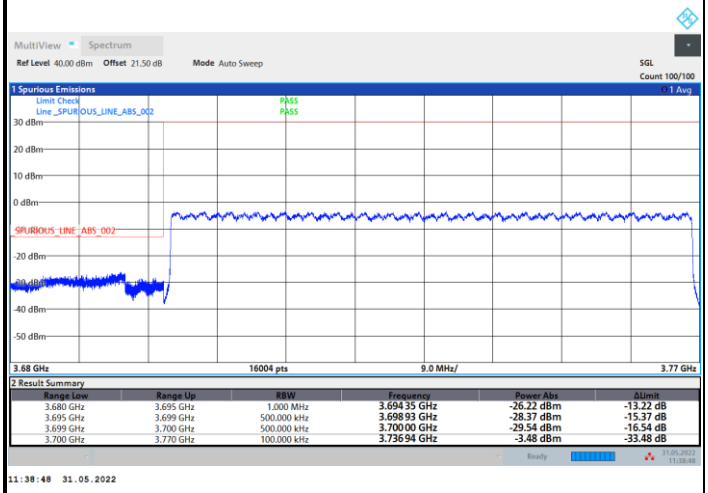
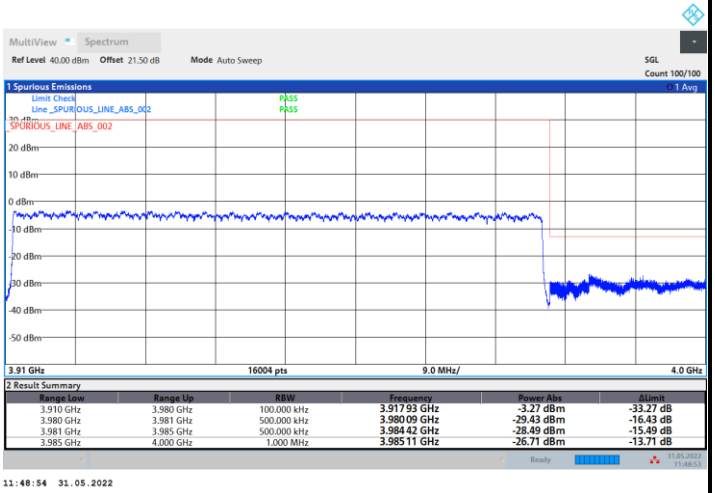
FR1 n77 / 70MHz / DFT-S OFDM / PI/2 BPSK	
Lowest Band Edge / Full RB	Highest Band Edge / Full RB
	

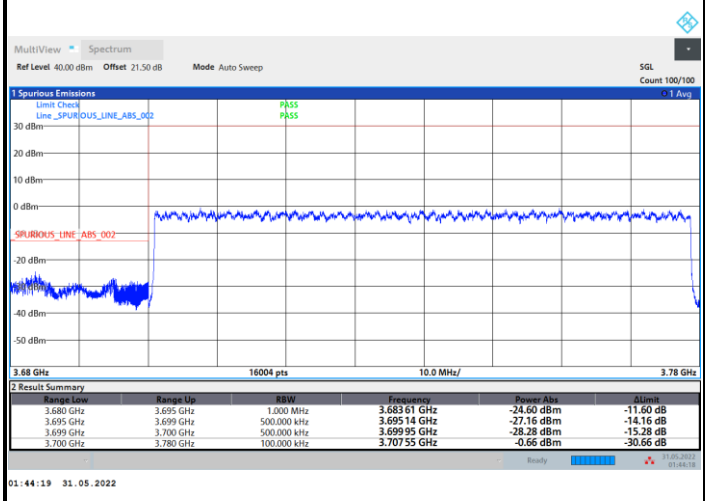
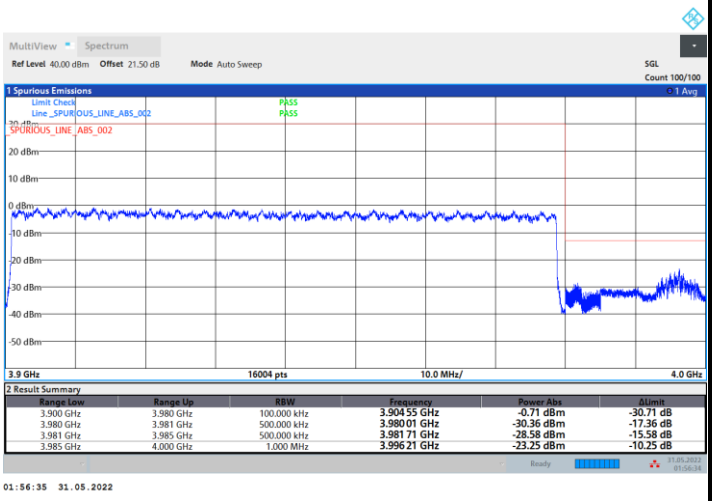
FR1 n77 / 70MHz / DFT-S OFDM / QPSK	
Lowest Band Edge / Full RB	Highest Band Edge / Full RB
	

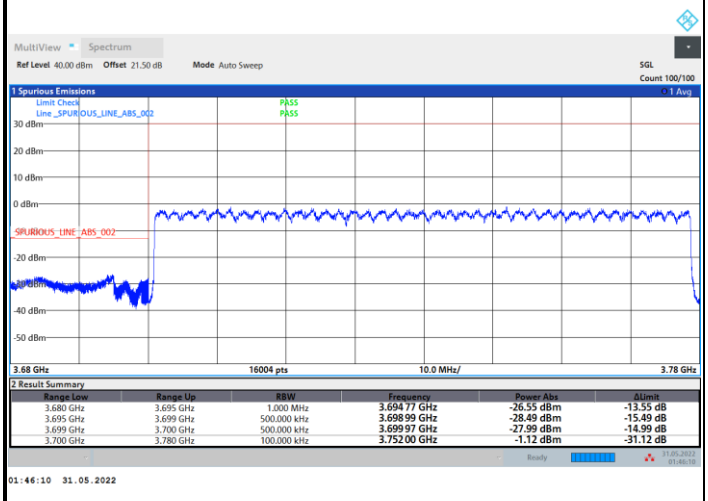
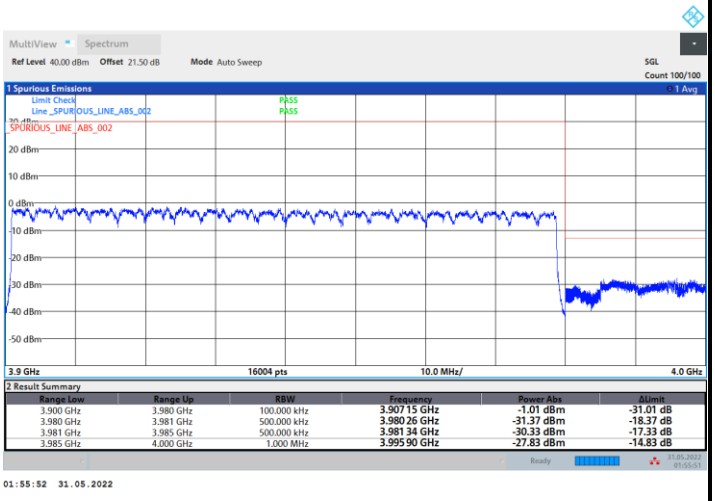
FR1 n77 / 70MHz / DFT-S OFDM / 16QAM	
Lowest Band Edge / Full RB	Highest Band Edge / Full RB
	

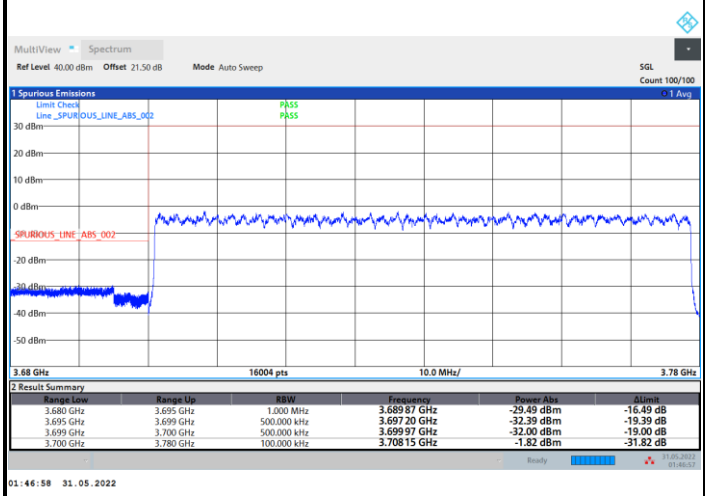
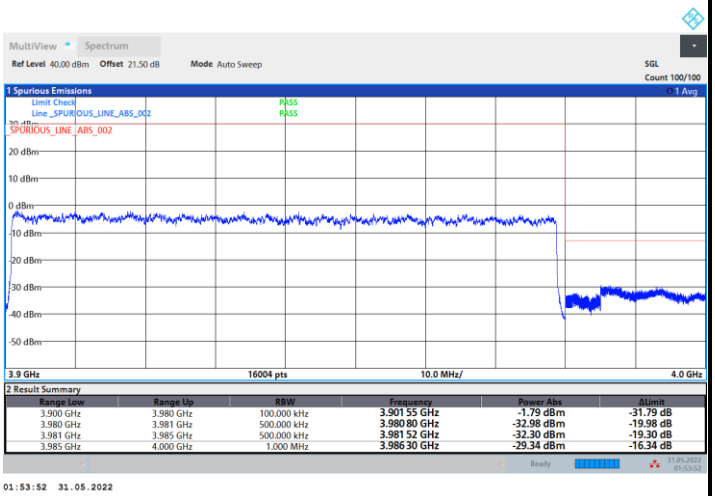
FR1 n77 / 70MHz / DFT-S OFDM / 64QAM	
Lowest Band Edge / Full RB	Highest Band Edge / Full RB
	

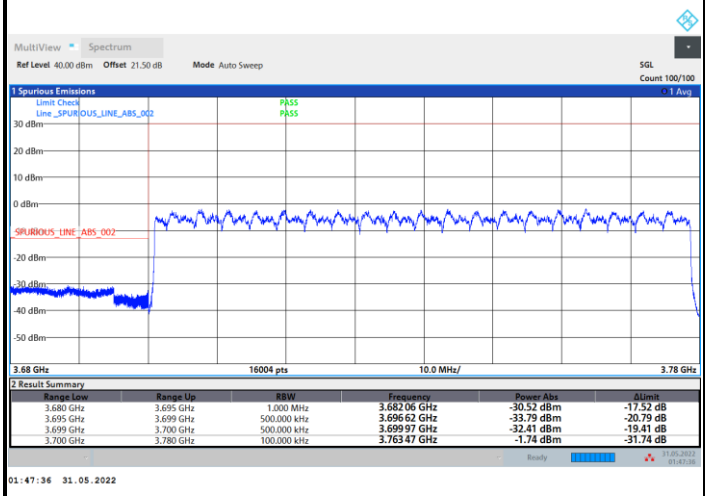
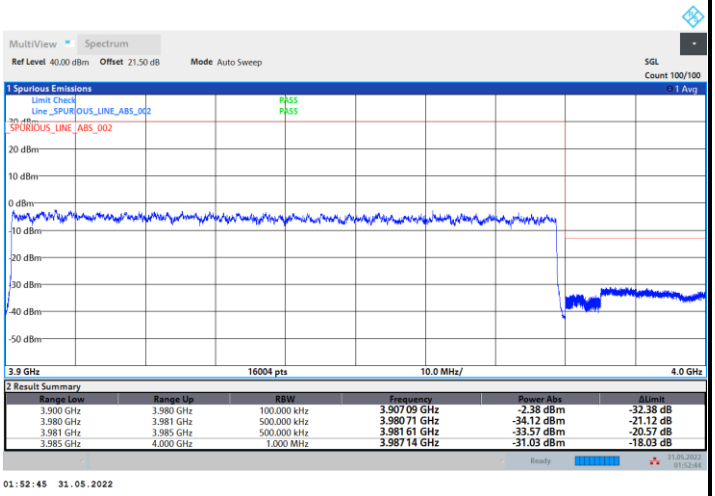
FR1 n77 / 70MHz / DFT-S OFDM / 256QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

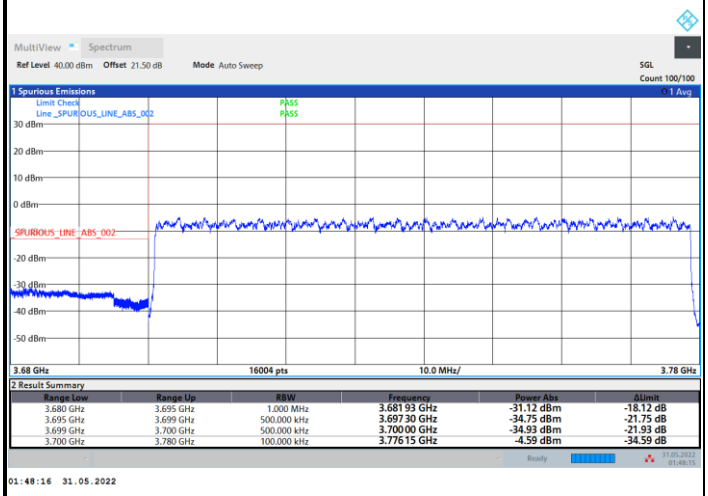
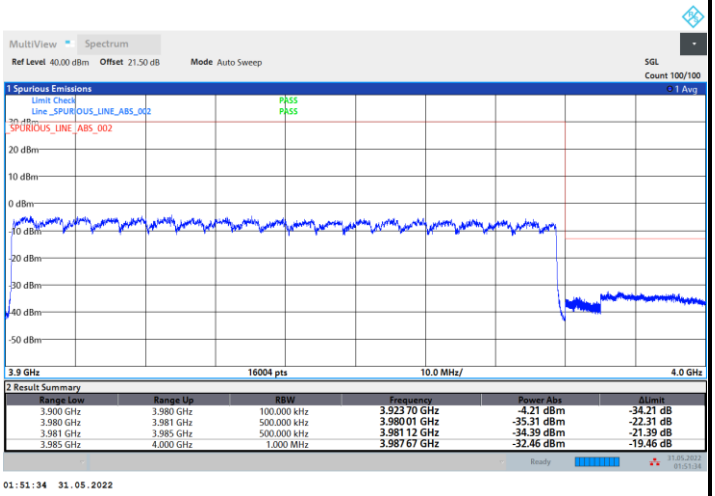
FR1 n77 / 70MHz / CP OFDM / QPSK / Full RB	
Lowest Band Edge	**Highest Band Edge**
	

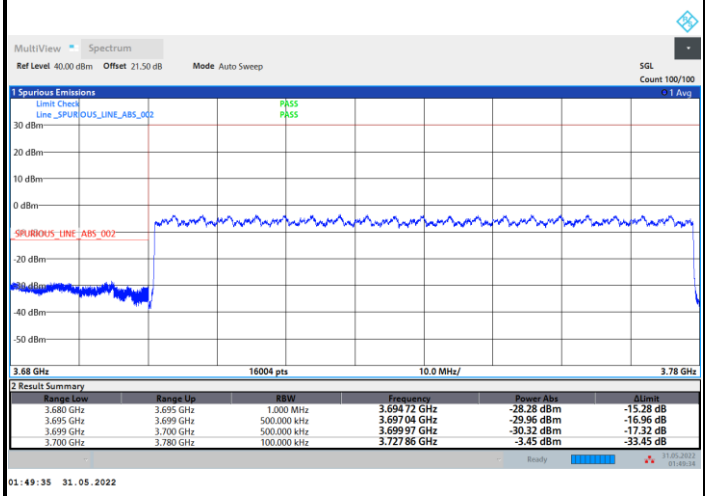
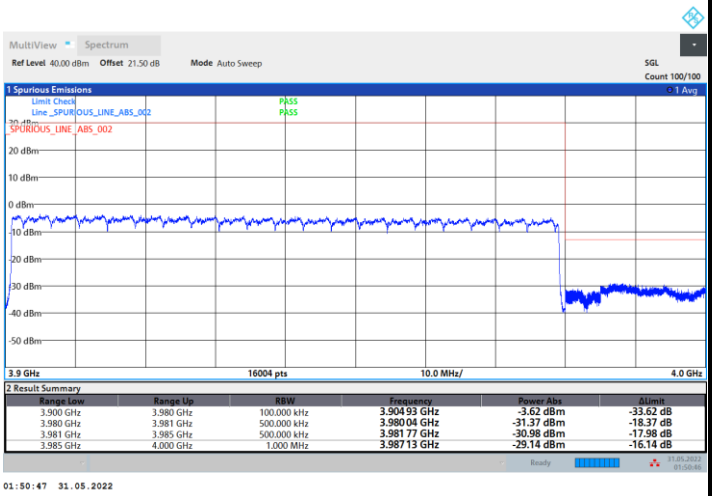
FR1 n77 / 80MHz / DFT-S OFDM / PI/2 BPSK	
Lowest Band Edge / Full RB	Highest Band Edge / Full RB
	

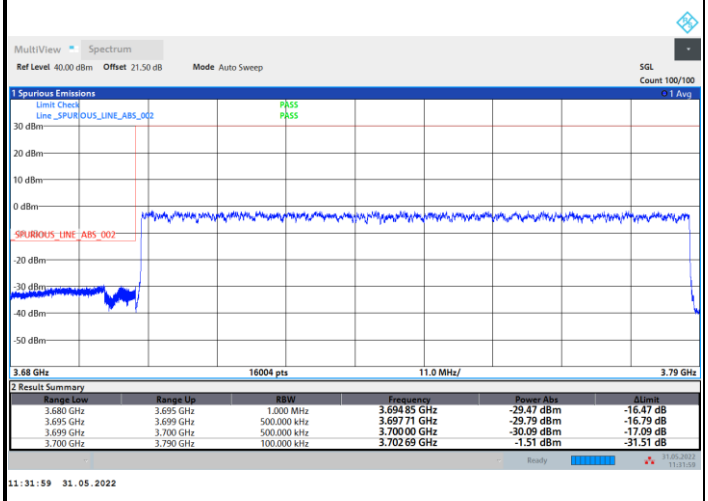
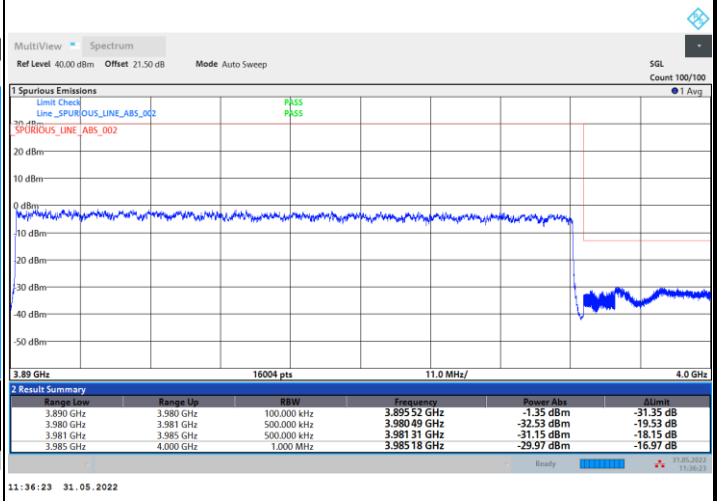
FR1 n77 / 80MHz / DFT-S OFDM / QPSK	
Lowest Band Edge / Full RB	Highest Band Edge / Full RB
	

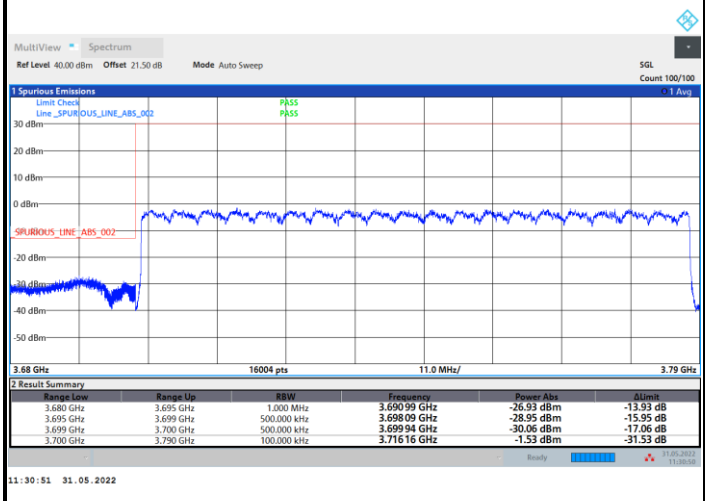
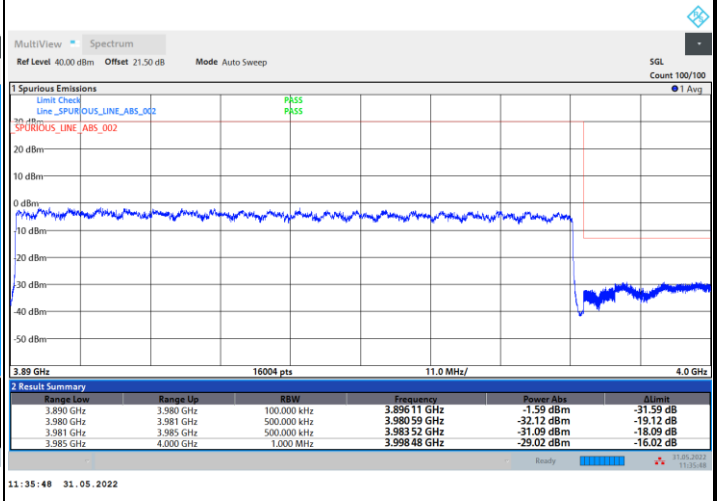
FR1 n77 / 80MHz / DFT-S OFDM / 16QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

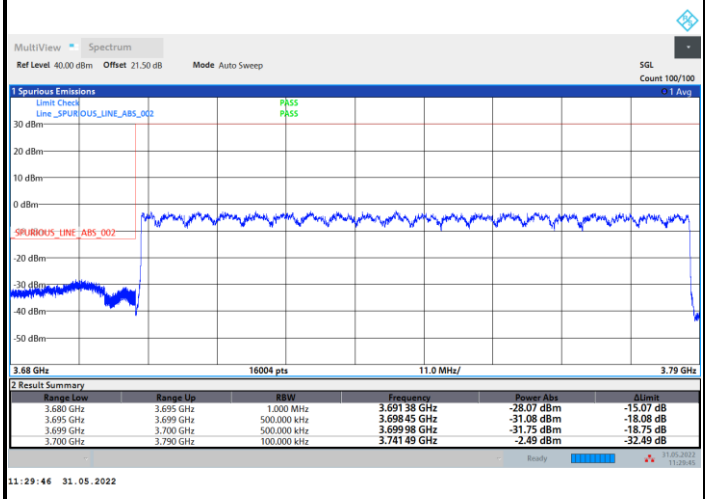
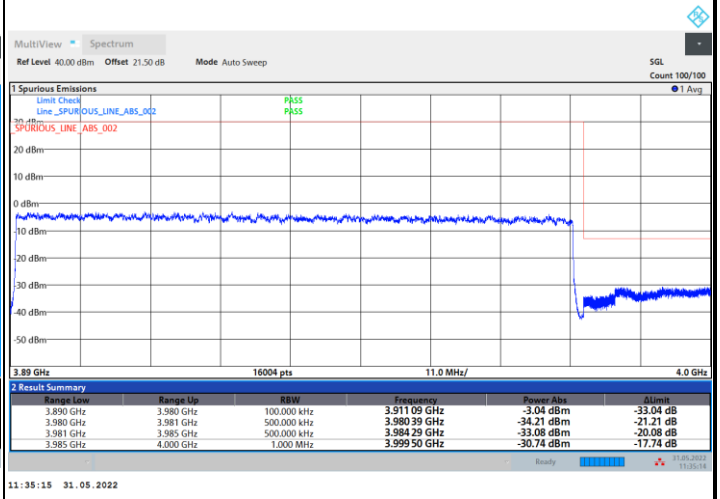
FR1 n77 / 80MHz / DFT-S OFDM / 64QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

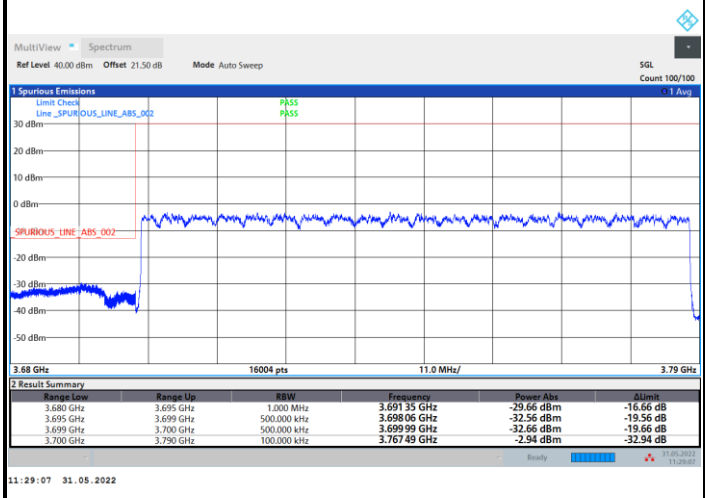
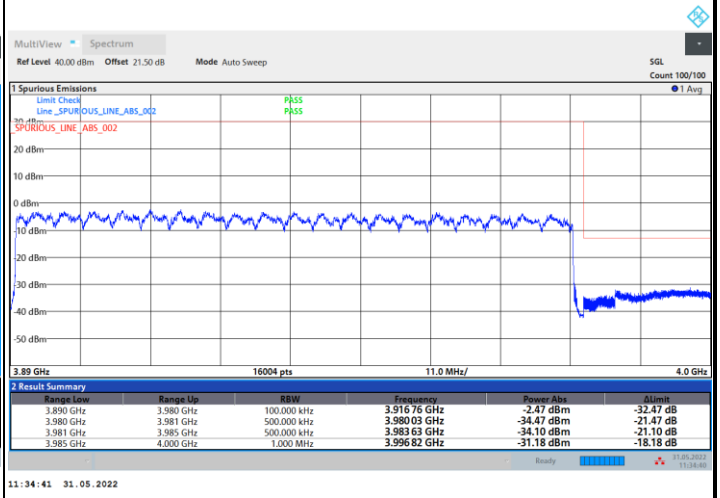
FR1 n77 / 80MHz / DFT-S OFDM / 256QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

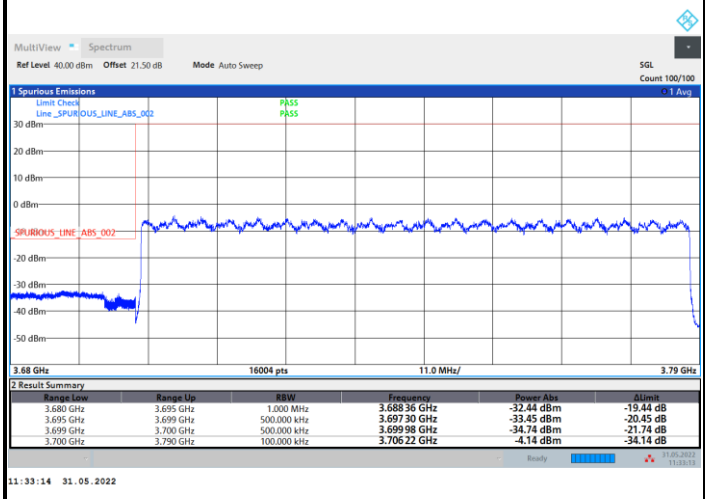
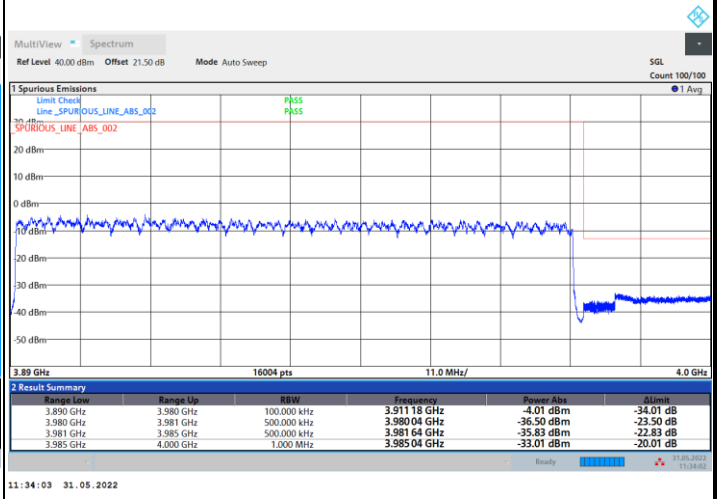
FR1 n77 / 80MHz / CP OFDM / QPSK / Full RB	
Lowest Band Edge	**Highest Band Edge**
	

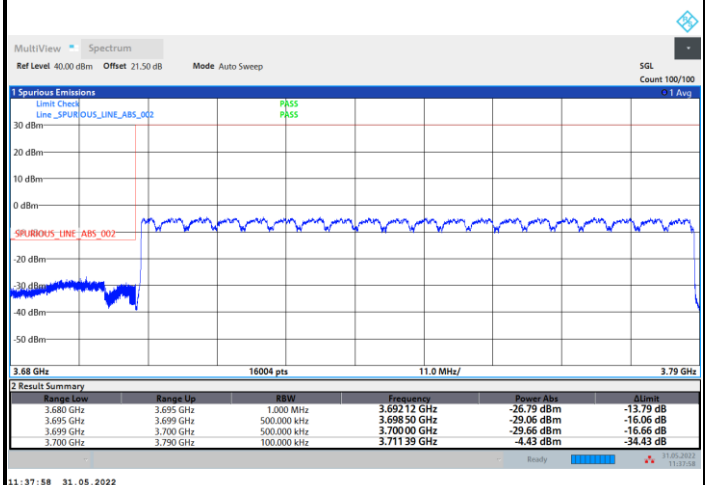
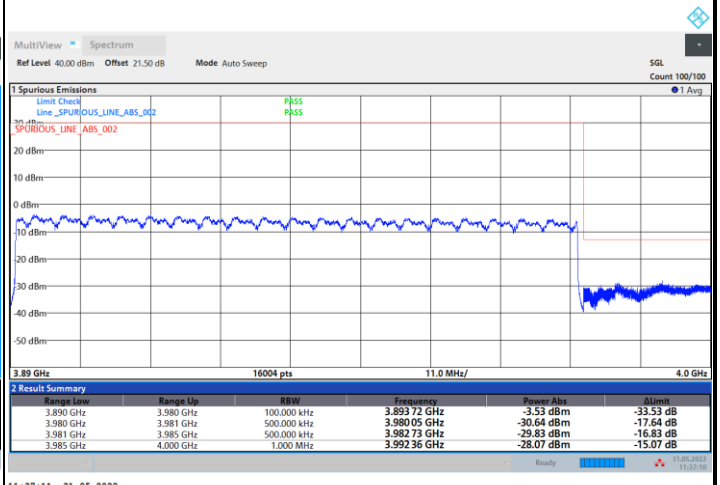
FR1 n77 / 90MHz / DFT-S OFDM / PI/2 BPSK	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

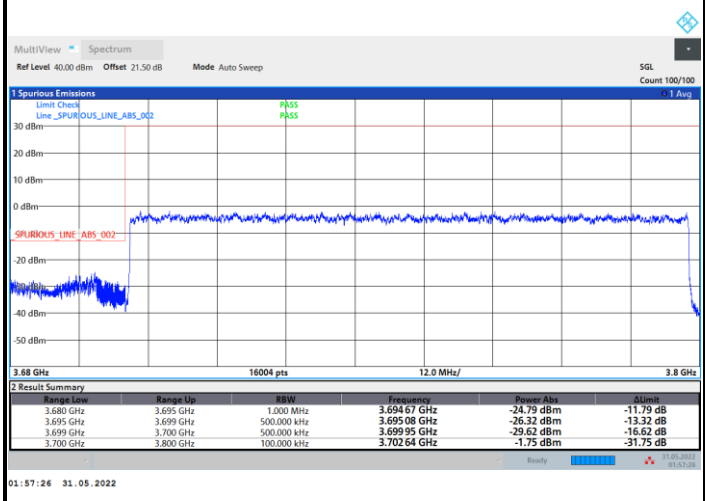
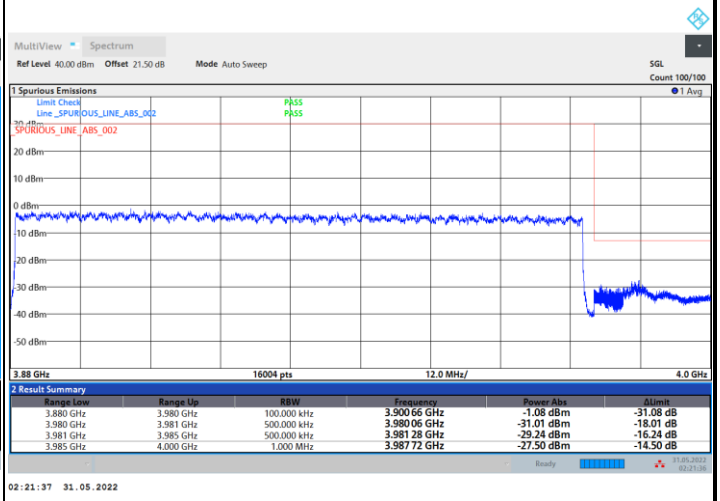
FR1 n77 / 90MHz / DFT-S OFDM / QPSK	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

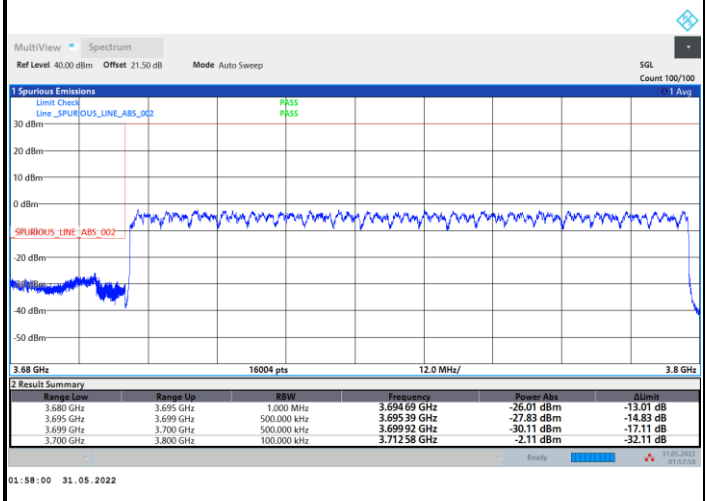
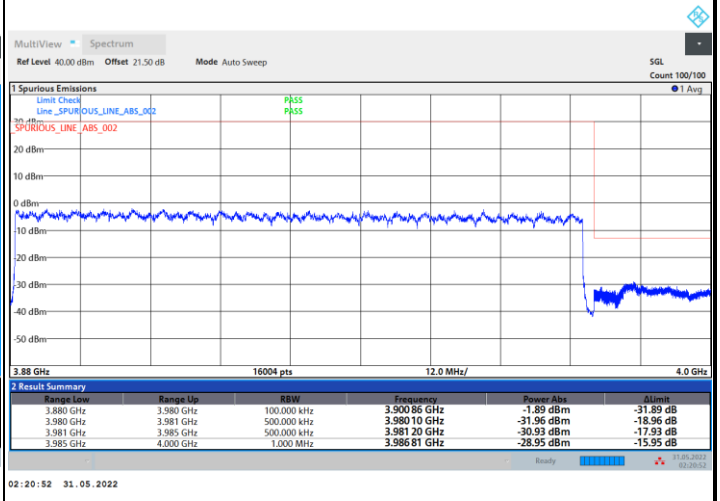
FR1 n77 / 90MHz / DFT-S OFDM / 16QAM	
Lowest Band Edge / Full RB	Highest Band Edge / Full RB
	

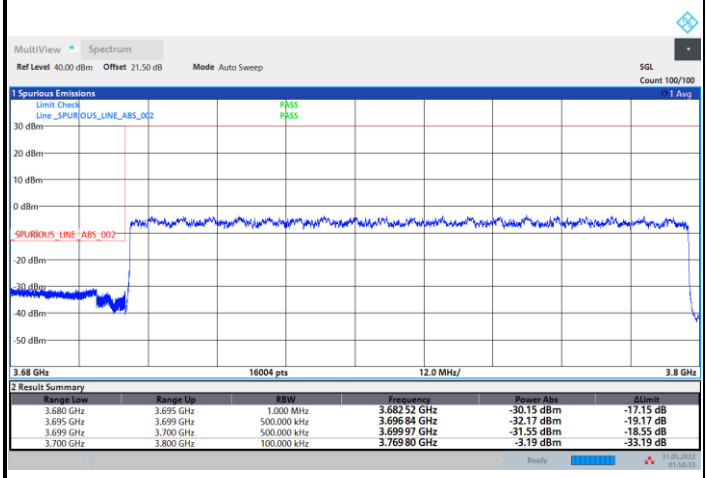
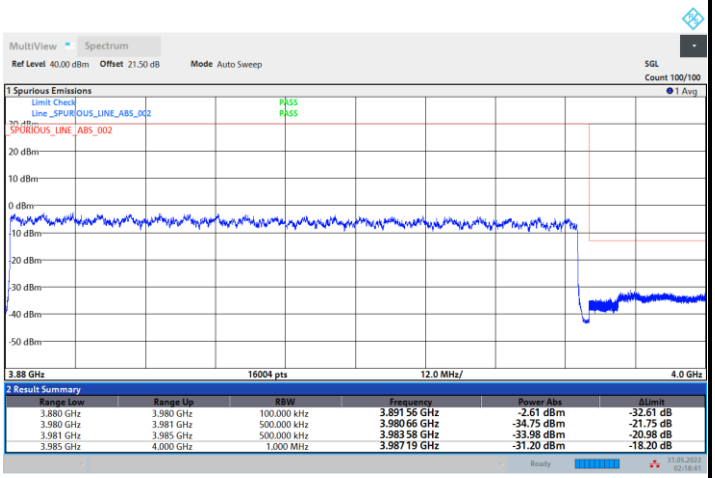
FR1 n77 / 90MHz / DFT-S OFDM / 64QAM	
Lowest Band Edge / Full RB	Highest Band Edge / Full RB
	

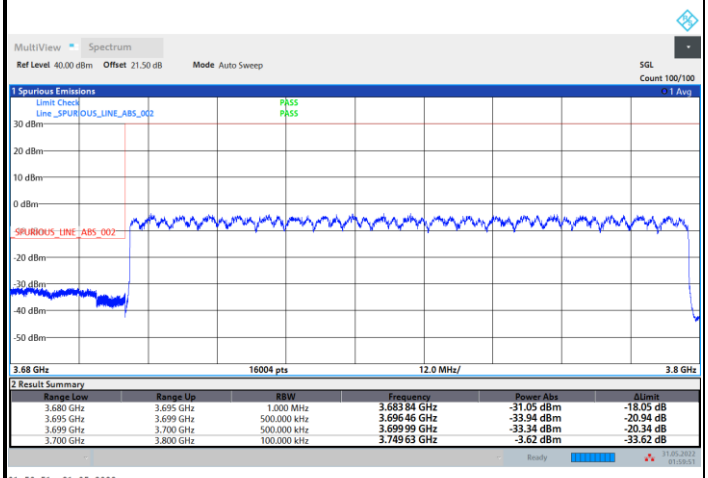
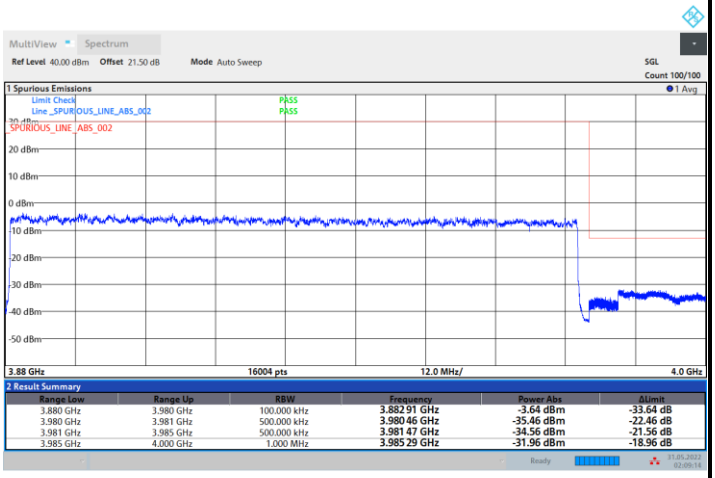
FR1 n77 / 90MHz / DFT-S OFDM / 256QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

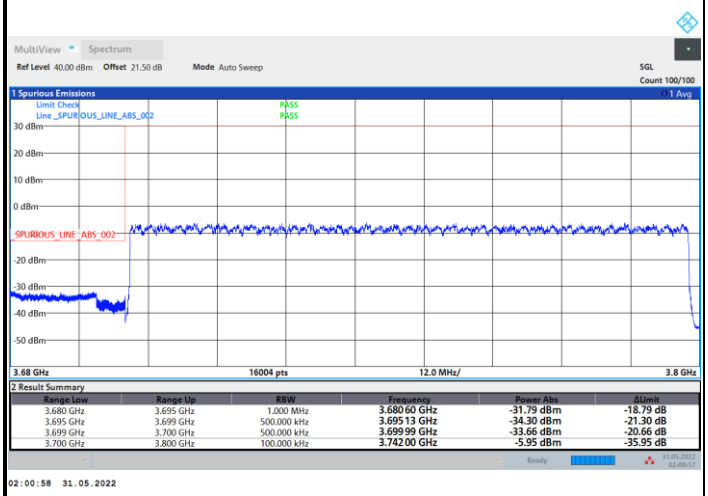
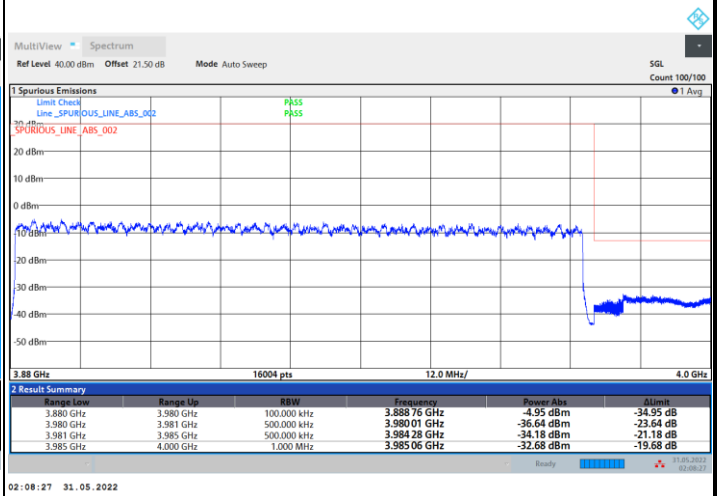
FR1 n77 / 90MHz / CP OFDM / QPSK / Full RB	
Lowest Band Edge	**Highest Band Edge**
	

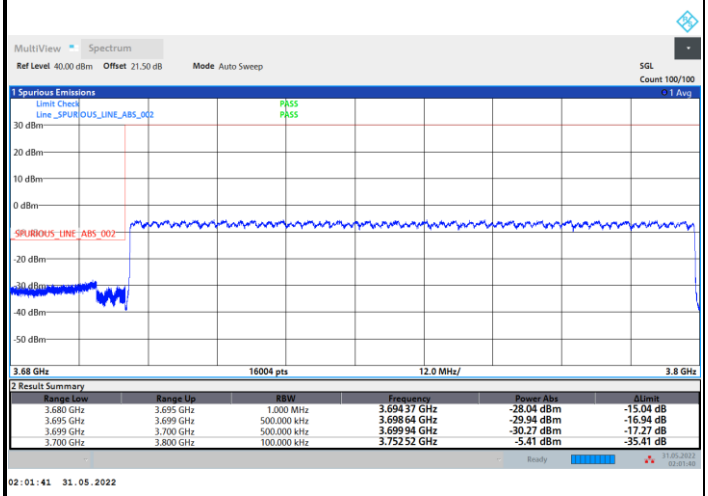
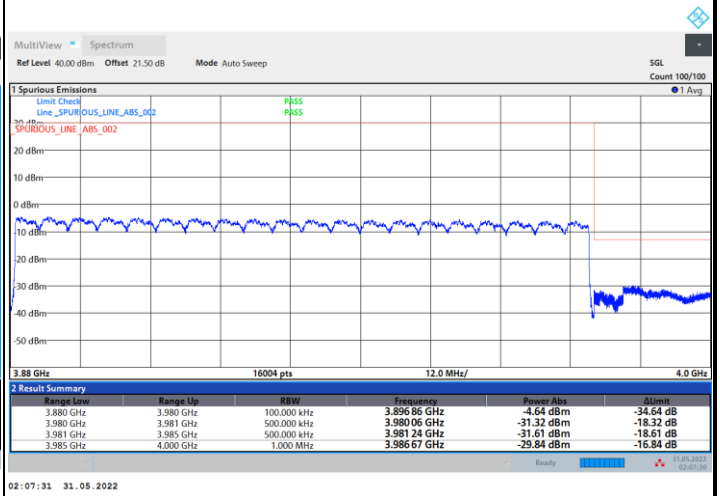
FR1 n77 / 100MHz / DFT-S OFDM / PI/2 BPSK	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

FR1 n77 / 100MHz / DFT-S OFDM / QPSK	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

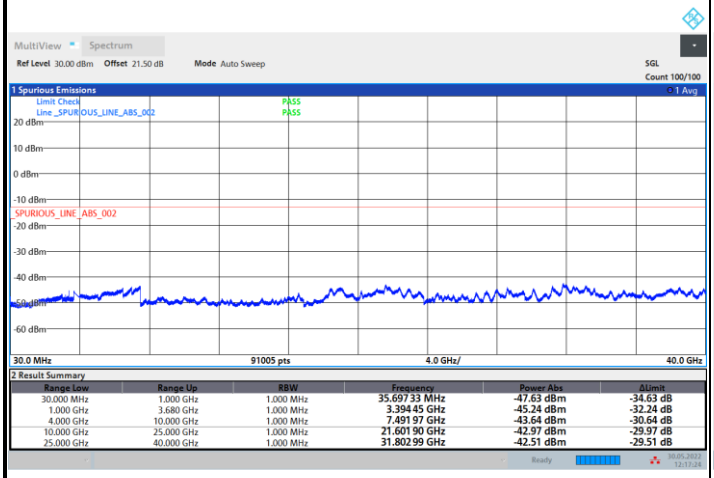
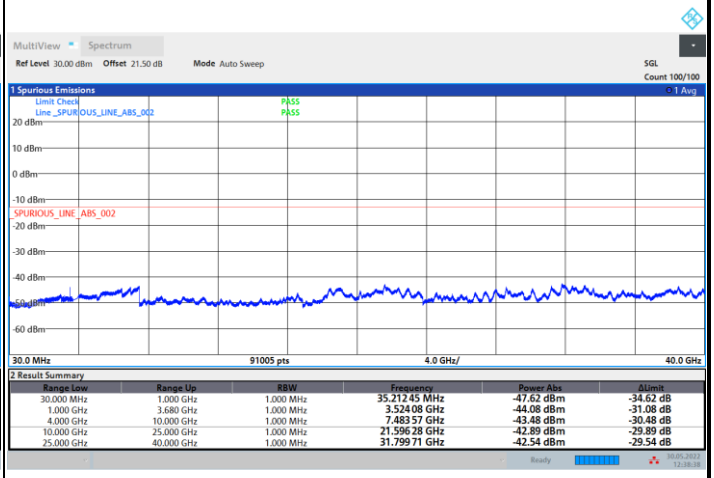
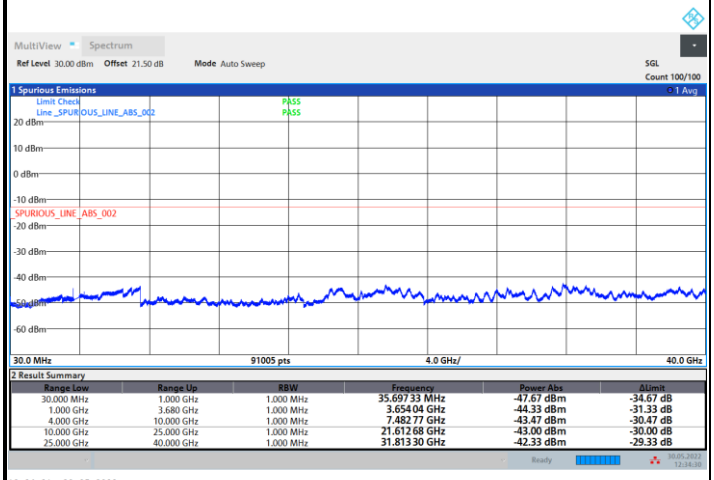
FR1 n77 / 100MHz / DFT-S OFDM / 16QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

FR1 n77 / 100MHz / DFT-S OFDM / 64QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

FR1 n77 / 100MHz / DFT-S OFDM / 256QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

FR1 n77 / 100MHz / CP OFDM / QPSK / Full RB	
Lowest Band Edge	**Highest Band Edge**
	

Conducted Spurious Emission

FR1 n77 / 20MHz / DFT-S OFDM / QPSK / 1RB1	
Lowest Channel	**Middle Channel**
	
Highest Channel	
	

Frequency Stability

Test Conditions		FR1 n77 (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0007	PASS
40	Normal Voltage	0.0005	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0004	
0	Normal Voltage	0.0022	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0008	
-30	Normal Voltage	0.0009	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0007	

Note:

1. Normal Voltage = 4.05 V.；Battery End Point (BEP) = 3.85 V.；Maximum Voltage = 4.35 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

Appendix B. Test Results of Radiated Test

<Ant. 11>

5G NR n77

5G NR n77 / 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	-41.34	-13	-28.34	-72.25	-48.65	1.94	11.40	H
	11104	-32.45	-13	-19.45	-69.58	-38.68	2.24	10.62	H
	14808	-29.07	-13	-16.07	-71.98	-37.11	2.58	12.78	H
	18510	-51.47	-13	-38.47	-62.06	-63.67	3.24	17.59	H
	22206	-61.82	-13	-48.82	-76.29	-75.01	3.52	18.86	H
	25914	-58.83	-13	-45.83	-77.69	-71.84	3.92	19.08	H
									H
	7401	-40.99	-13	-27.99	-71.99	-48.30	1.94	11.40	V
	11104	-33.54	-13	-20.54	-70.62	-39.77	2.24	10.62	V
	14808	-28.01	-13	-15.01	-72.04	-36.05	2.58	12.78	V
	18510	-55.57	-13	-42.57	-65.93	-67.77	3.24	17.59	V
	22206	-59.64	-13	-46.64	-73.71	-72.83	3.52	18.86	V
	25914	-57.57	-13	-44.57	-76.13	-70.58	3.92	19.08	V
									V

Middle	7663	-41.57	-13	-28.57	-72.19	-49.16	1.89	11.63	H
	11494	-30.49	-13	-17.49	-68.03	-37.04	2.40	11.09	H
	15324	-29.77	-13	-16.77	-71.49	-39.60	2.64	14.63	H
	19154	-58.67	-13	-45.67	-69.54	-70.50	3.25	17.22	H
	26824	-53.79	-13	-40.79	-73.51	-66.77	3.92	19.05	H
	30650	-51.76	-13	-38.76	-72.81	-64.73	4.26	19.38	H
									H
	7663	-41.03	-13	-28.03	-71.86	-48.62	1.89	11.63	V
	11494	-30.97	-13	-17.97	-68.64	-37.52	2.40	11.09	V
	15324	-28.47	-13	-15.47	-70.89	-38.30	2.64	14.63	V
	19154	-57.60	-13	-44.60	-68.23	-69.43	3.25	17.22	V
	26824	-52.09	-13	-39.09	-71.42	-65.07	3.92	19.05	V
	30650	-46.17	-13	-33.17	-66.85	-59.14	4.26	19.38	V
									V
Highest	7920	-41.24	-13	-28.24	-72.48	-48.54	1.95	11.40	H
	11884	-32.97	-13	-19.97	-72.11	-40.74	2.56	12.48	H
	15846	-31.24	-13	-18.24	-71.6	-42.68	2.78	16.37	H
	19809	-54.10	-13	-41.10	-65.36	-66.19	3.20	17.44	H
	23767	-60.96	-13	-47.96	-77.62	-73.61	3.74	18.54	H
	27734	-48.57	-13	-35.57	-68.81	-62.06	3.95	19.59	H
									H
	7920	-40.49	-13	-27.49	-72.08	-47.79	1.95	11.40	V
	11884	-31.40	-13	-18.40	-70.11	-39.17	2.56	12.48	V
	15846	-30.48	-13	-17.48	-71.06	-41.92	2.78	16.37	V
	19809	-54.29	-13	-41.29	-65.26	-66.38	3.20	17.44	V
	23767	-57.73	-13	-44.73	-74.03	-70.38	3.74	18.54	V
	27734	-45.23	-13	-32.23	-65.13	-58.72	3.95	19.59	V
									V

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

<Ant. 4 + Ant. 12>

EN-DC 5A-n77A

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	-41.31	-13	-28.31	-72.22	-48.62	1.94	11.40	H
	11104	-36.18	-13	-23.18	-73.31	-42.41	2.24	10.62	H
	14808	-28.98	-13	-15.98	-71.89	-37.02	2.58	12.78	H
	18510	-54.34	-13	-41.34	-64.93	-66.54	3.24	17.59	H
	22206	-61.74	-13	-48.74	-76.21	-74.93	3.52	18.86	H
	25914	-54.04	-13	-41.04	-72.9	-67.05	3.92	19.08	H
									H
	7401	-41.06	-13	-28.06	-72.06	-48.37	1.94	11.40	V
	11104	-36.07	-13	-23.07	-73.15	-42.30	2.24	10.62	V
	14808	-27.75	-13	-14.75	-71.78	-35.79	2.58	12.78	V
	18510	-56.61	-13	-43.61	-66.97	-68.81	3.24	17.59	V
	22206	-62.33	-13	-49.33	-76.4	-75.52	3.52	18.86	V
	25914	-51.30	-13	-38.30	-69.86	-64.31	3.92	19.08	V
									V

Middle	7663	-41.42	-13	-28.42	-72.04	-49.01	1.89	11.63	H
	11494	-34.61	-13	-21.61	-72.15	-41.16	2.40	11.09	H
	15324	-29.57	-13	-16.57	-71.29	-39.40	2.64	14.63	H
	19156	-64.14	-13	-51.14	-75.01	-75.97	3.25	17.22	H
	22987	-60.55	-13	-47.55	-76.58	-73.44	3.57	18.61	H
	26824	-54.01	-13	-41.01	-73.73	-66.99	3.92	19.05	H
									H
	7663	-41.16	-13	-28.16	-71.99	-48.75	1.89	11.63	V
	11494	-33.45	-13	-20.45	-71.11	-40.00	2.40	11.09	V
	15324	-29.15	-13	-16.15	-71.57	-38.98	2.64	14.63	V
	19156	-63.41	-13	-50.41	-74.04	-75.24	3.25	17.22	V
	22987	-60.43	-13	-47.43	-76.13	-73.32	3.57	18.61	V
	26824	-57.07	-13	-44.07	-76.4	-70.05	3.92	19.05	V
									V
Highest	7923	-41.05	-13	-28.05	-72.29	-48.34	1.95	11.39	H
	11884	-33.18	-13	-20.18	-72.32	-40.95	2.56	12.48	H
	15846	-31.16	-13	-18.16	-71.52	-42.60	2.78	16.37	H
	19809	-64.24	-13	-51.24	-75.5	-76.33	3.20	17.44	H
	23767	-61.30	-13	-48.30	-77.96	-73.95	3.74	18.54	H
	27723	-54.59	-13	-41.59	-74.83	-68.08	3.95	19.59	H
									H
	7923	-40.92	-13	-27.92	-72.51	-48.21	1.95	11.39	V
	11884	-33.42	-13	-20.42	-72.13	-41.19	2.56	12.48	V
	15846	-31.14	-13	-18.14	-71.72	-42.58	2.78	16.37	V
	19809	-63.54	-13	-50.54	-74.51	-75.63	3.20	17.44	V
	23767	-60.54	-13	-47.54	-76.84	-73.19	3.74	18.54	V
	27723	-52.00	-13	-39.00	-71.9	-65.49	3.95	19.59	V
									V

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