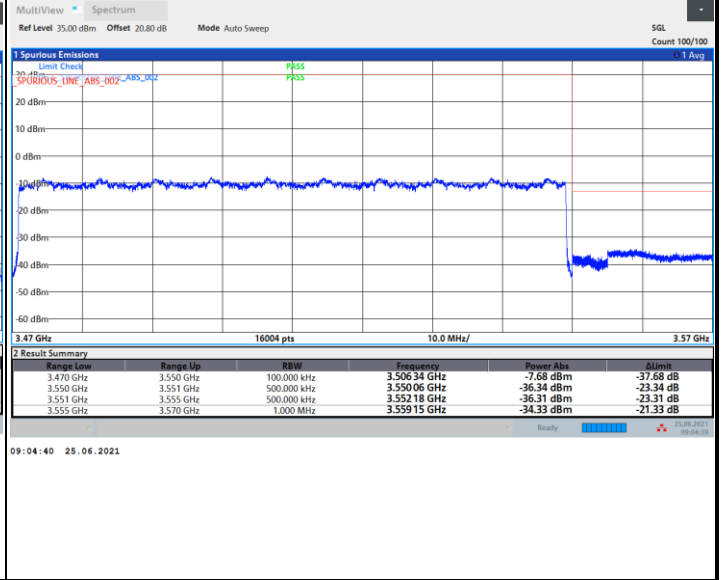
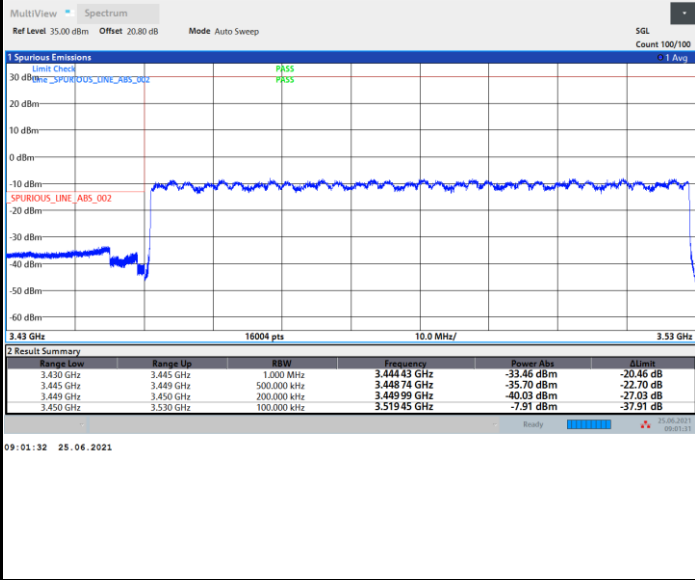




FR1 n78 / 80MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge

Highest Band Edge

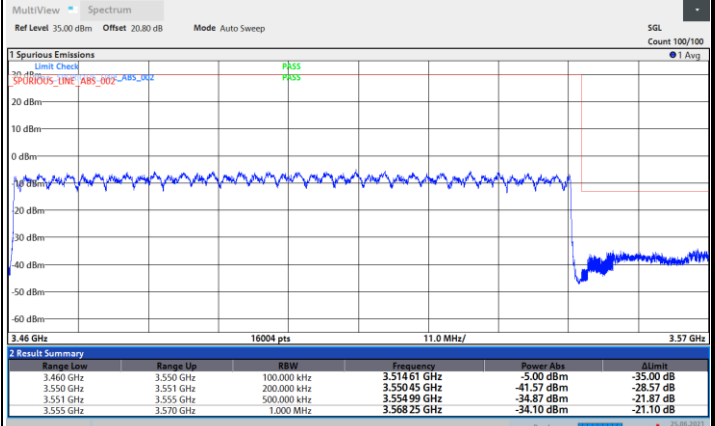
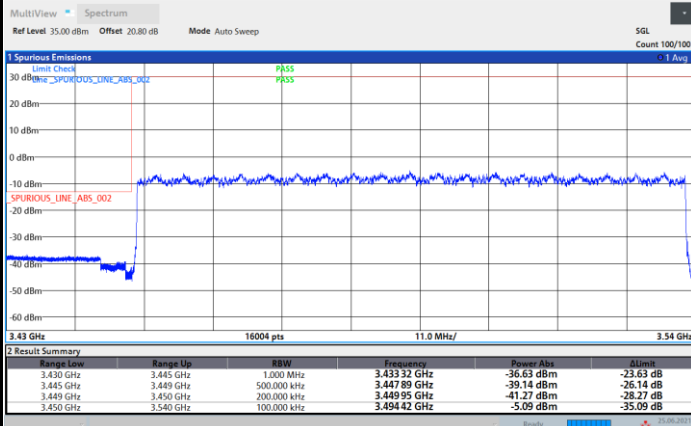




FR1 n78 / 90MHz / DFT-S OFDM / PI/2 BPSK / Full RB

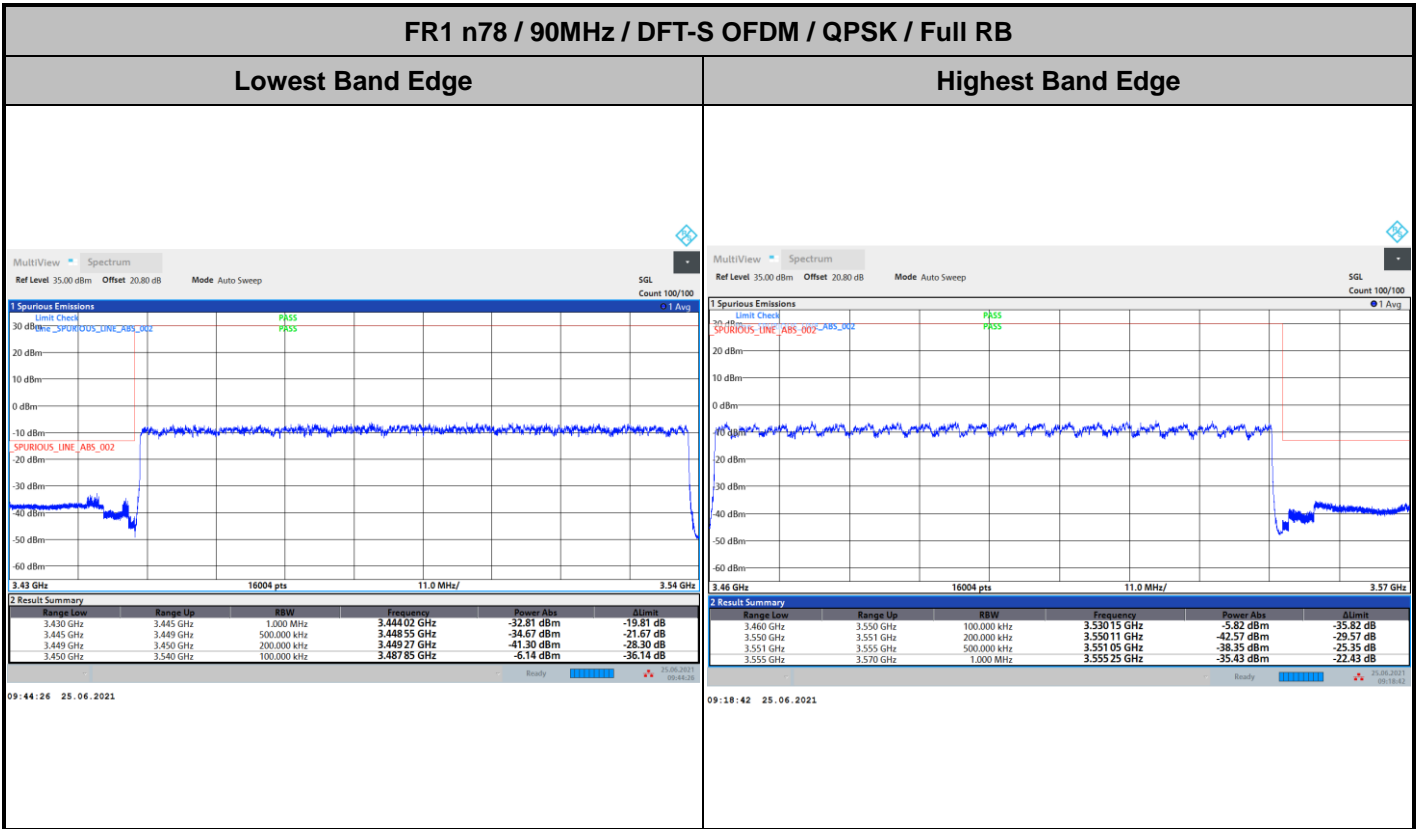
Lowest Band Edge

Highest Band Edge



09:48:52 25.06.2021

09:17:06 25.06.2021

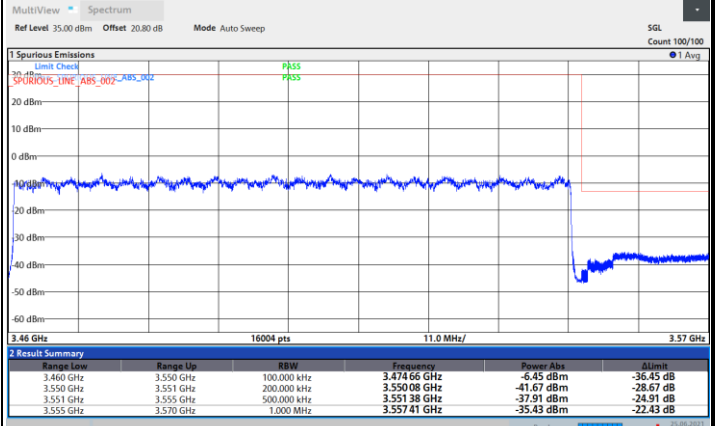
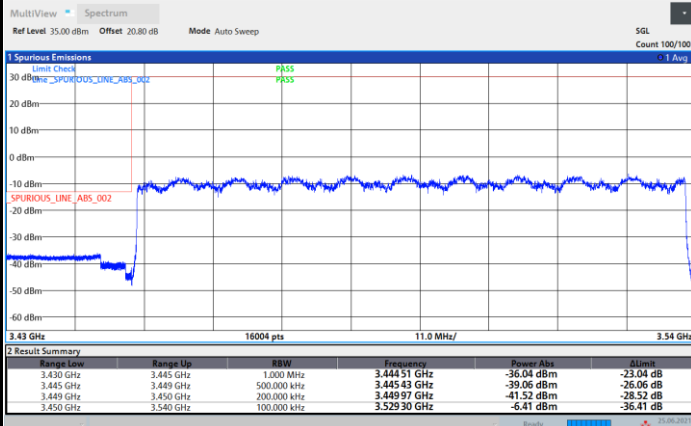




FR1 n78 / 90MHz / DFT-S OFDM / 16QAM / Full RB

Lowest Band Edge

Highest Band Edge

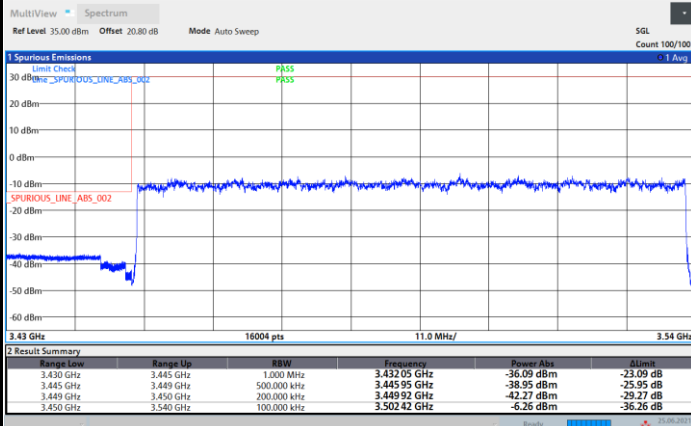




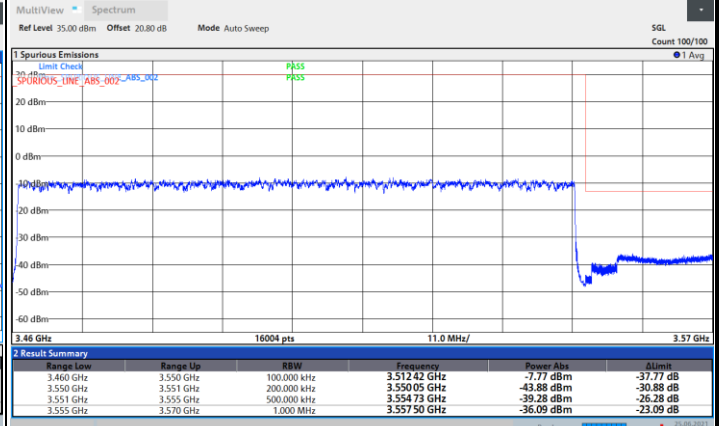
FR1 n78 / 90MHz / DFT-S OFDM / 64QAM / Full RB

Lowest Band Edge

Highest Band Edge



09:41:25 25.06.2021



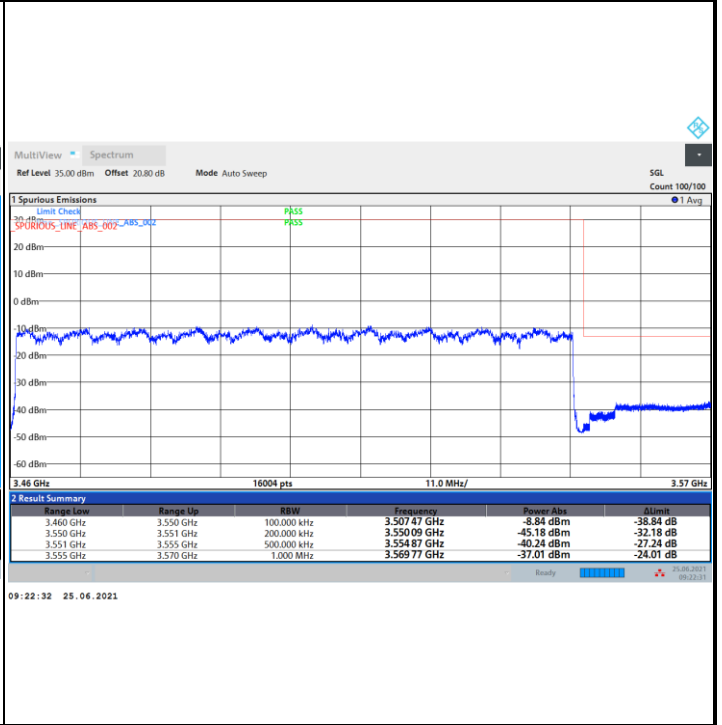
09:20:52 25.06.2021

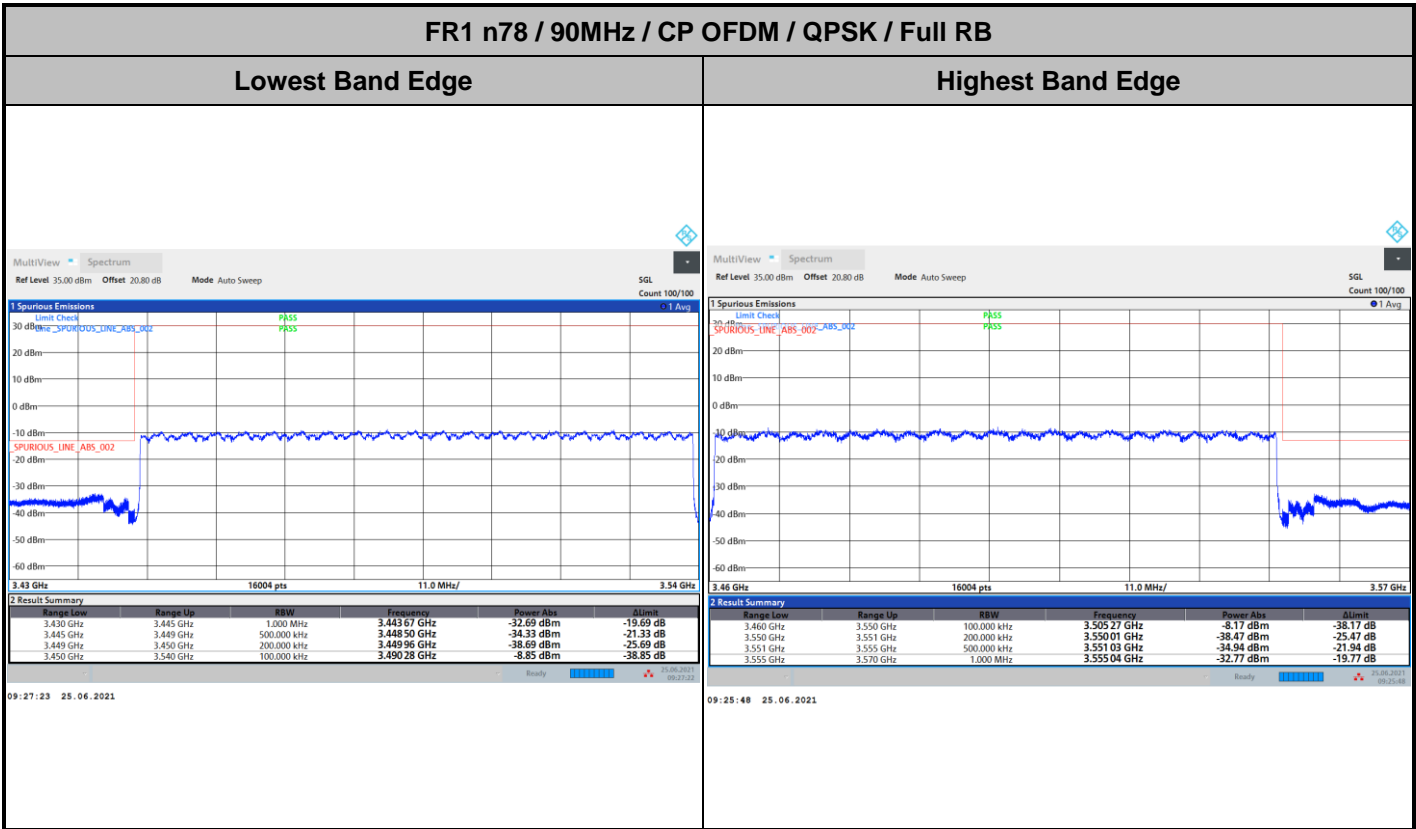


FR1 n78 / 90MHz / DFT-S OFDM / 256QAM / Full RB

Lowest Band Edge

Highest Band Edge



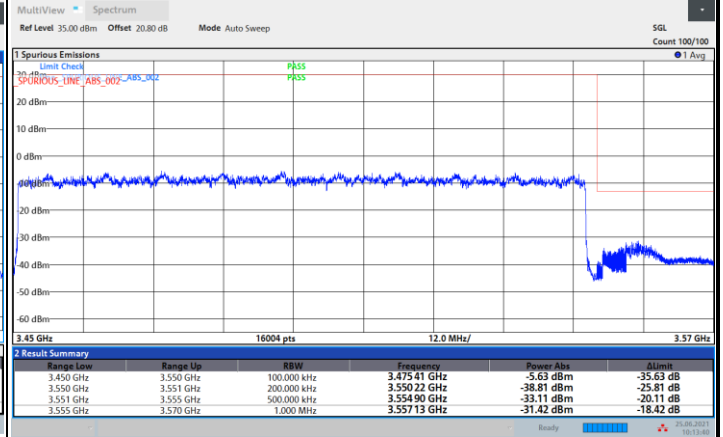
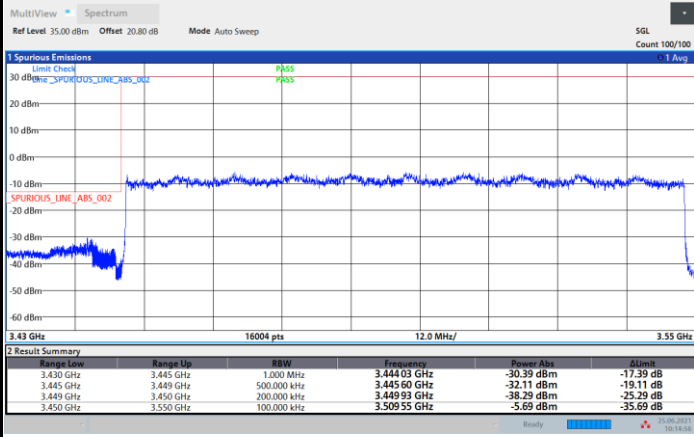




FR1 n78 / 100MHz / DFT-S OFDM / PI/2 BPSK / Full RB

Lowest Band Edge

Highest Band Edge

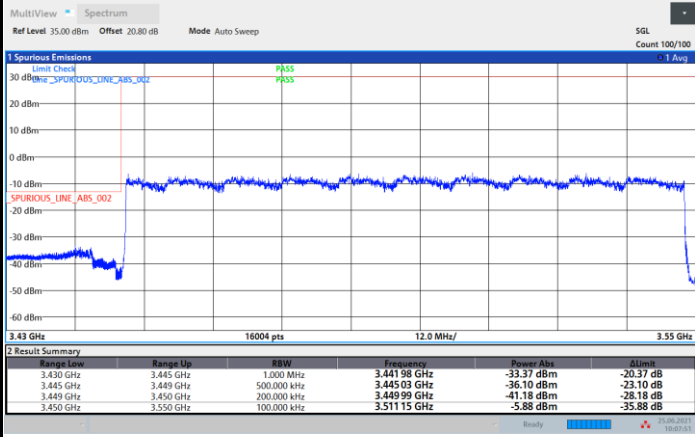




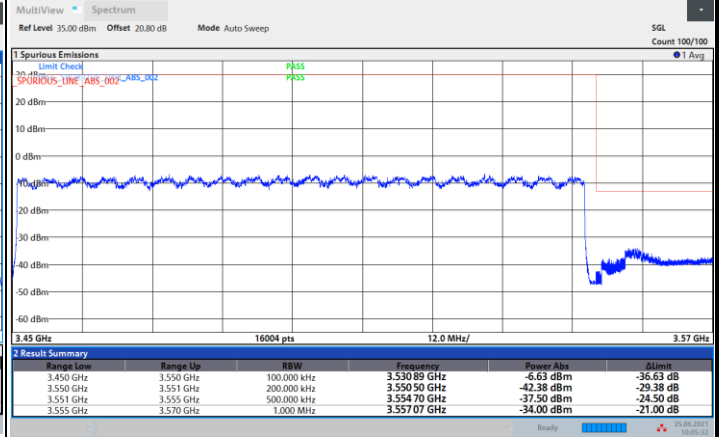
FR1 n78 / 100MHz / DFT-S OFDM / QPSK / Full RB

Lowest Band Edge

Highest Band Edge



10:07:51 25.06.2021



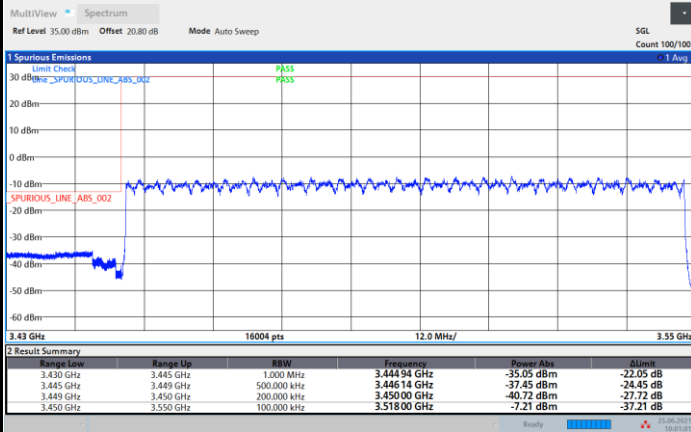
10:05:32 25.06.2021



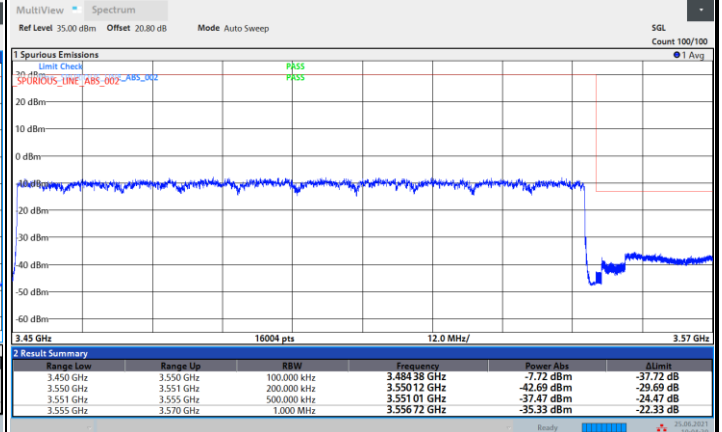
FR1 n78 / 100MHz / DFT-S OFDM / 16QAM / Full RB

Lowest Band Edge

Highest Band Edge



10:01:01 25.06.2021



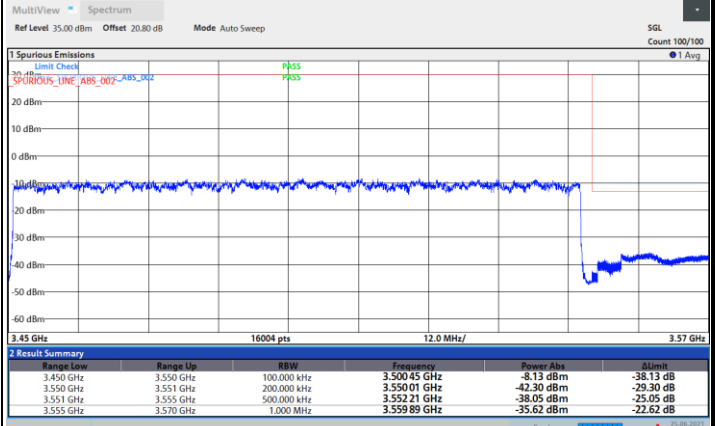
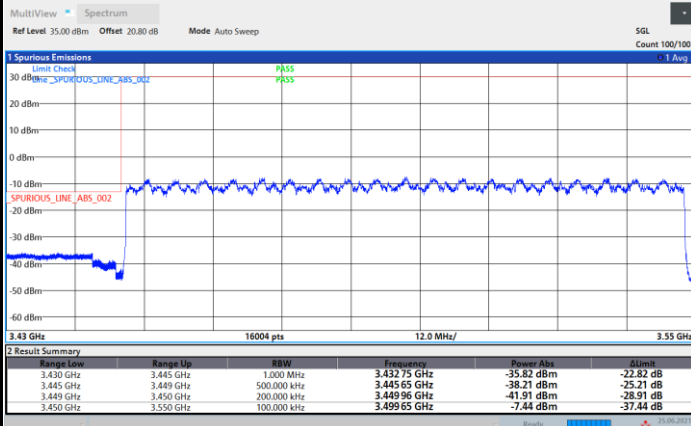
10:04:30 25.06.2021



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

Lowest Band Edge

Highest Band Edge



09:58:58 25.06.2021

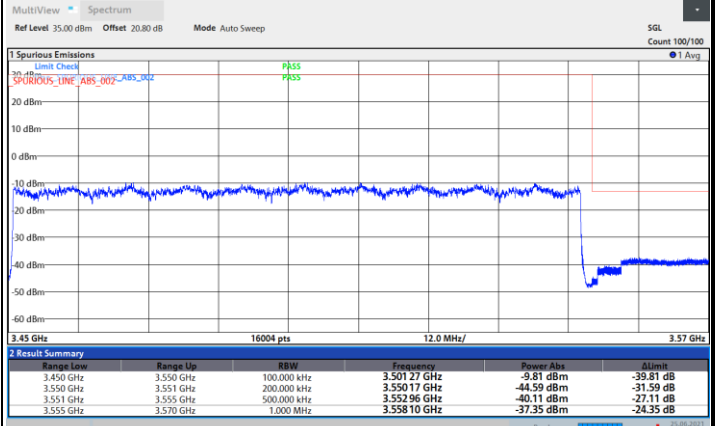
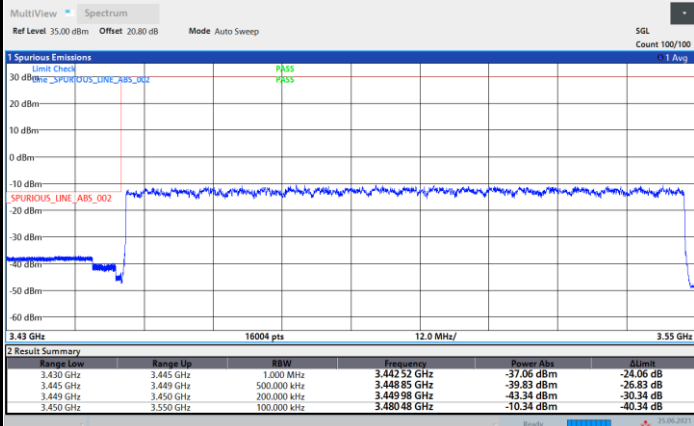
09:57:56 25.06.2021



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

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



09:59:55 25.06.2021

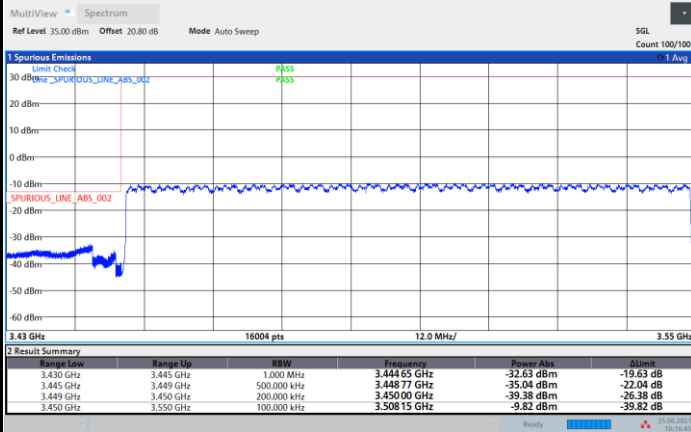
09:56:21 25.06.2021



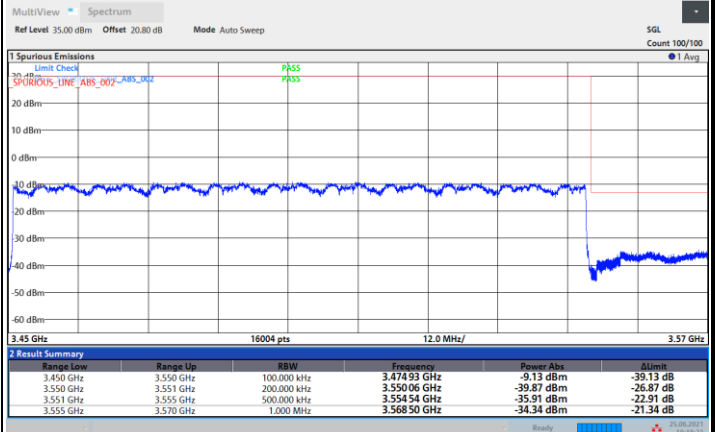
FR1 n78 / 100MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge

Highest Band Edge



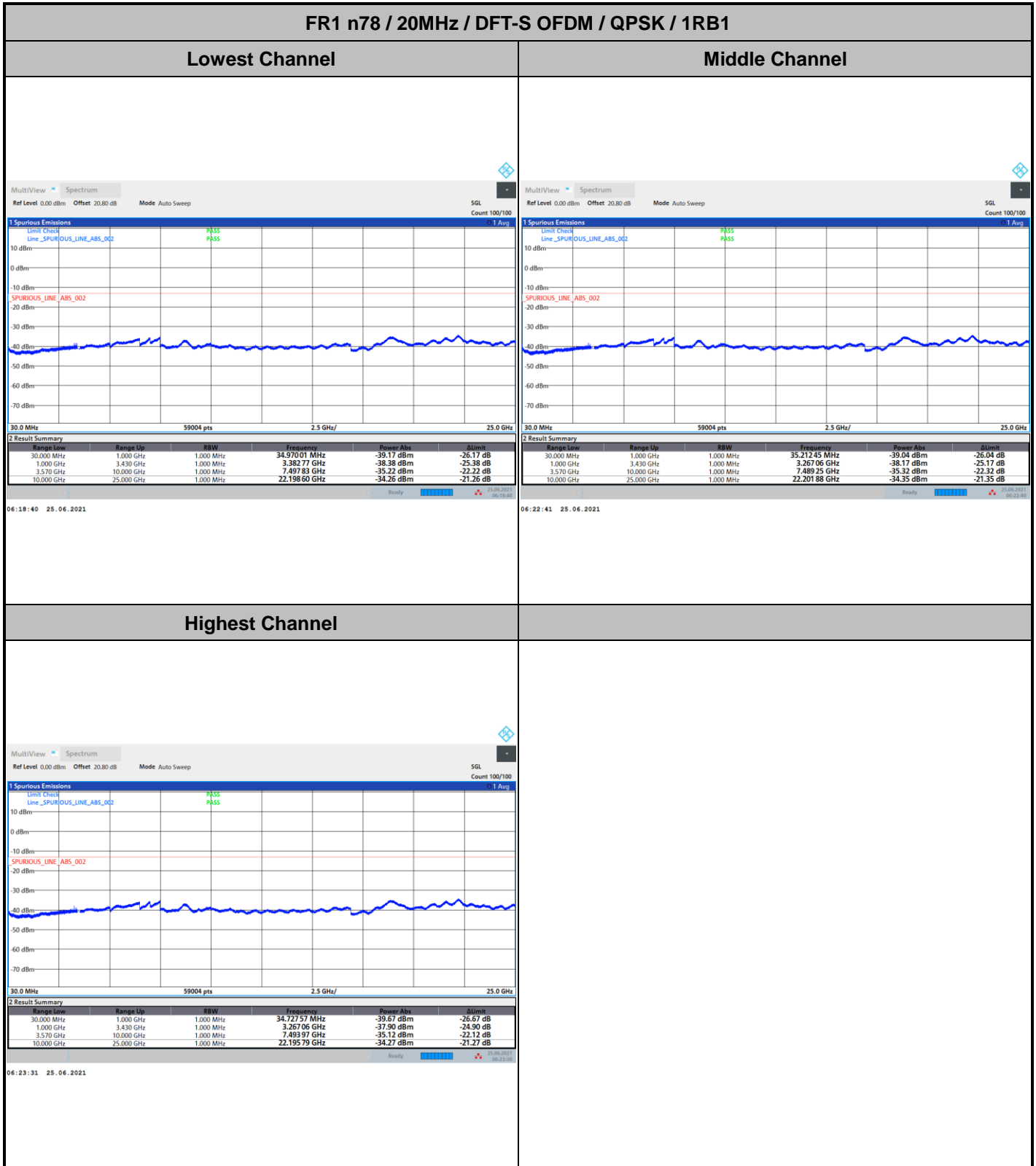
10:16:46 25.06.2021



10:18:23 25.06.2021



Conducted Spurious Emission





Frequency Stability

Test Conditions		FR1 n78 (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
40	Normal Voltage	0.0003	PASS
30	Normal Voltage	0.0006	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0008	
-10	Normal Voltage	0.0010	
-20	Normal Voltage	0.0005	
20	Maximum Voltage	0.0004	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0043	

Note:

- 1. Normal Voltage =3.80 V. ; Battery End Point (BEP) =3.40 V. ; Maximum Voltage =4.35 V.
- 2. Note: The frequency fundamental emissions stay within the authorized frequency block.
- 3. EUT can't operate outside the temperatures between -20 °C and 40 °C.



Appendix B. Test Results of Radiated Test

EN-DC 7A-n78A

EN-DC 7A-n78A / 40MHz / PI/2 BPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	6904	-47.10	-13	-34.10	-74.37	-55.25	1.73	12.03	H
	10356	-42.70	-13	-29.70	-74.04	-49.17	2.39	11.02	H
	13809	-37.02	-13	-24.02	-72.66	-44.41	2.85	12.39	H
	20713	-54.09	-13	-41.09	-76.52	-68.53	2.06	18.64	H
	24165	-45.84	-13	-32.84	-70.78	-59.53	2.00	17.84	H
	27618	-50.87	-13	-37.87	-77.32	-65.72	2.25	19.25	H
									H
	6904	-47.39	-13	-34.39	-74.22	-55.54	1.73	12.03	V
	10356	-42.68	-13	-29.68	-74.05	-49.15	2.39	11.02	V
	13809	-36.67	-13	-23.67	-72.66	-44.06	2.85	12.39	V
	20713	-54.31	-13	-41.31	-76.23	-68.75	2.06	18.64	V
	24165	-46.21	-13	-33.21	-71.98	-59.90	2.00	17.84	V
	27618	-49.52	-13	-36.52	-77.27	-64.37	2.25	19.25	V
									V



Middle	6964	-46.64	-13	-33.64	-74.2	-54.72	1.73	11.95	H
	10446	-42.37	-13	-29.37	-73.96	-48.77	2.39	10.94	H
	13929	-37.01	-13	-24.01	-72.52	-44.26	2.87	12.27	H
	20893	-53.09	-13	-40.09	-75.62	-67.55	2.07	18.68	H
	24375	-46.36	-13	-33.36	-71.18	-59.82	2.02	17.63	H
	27858	-51.01	-13	-38.01	-77	-65.86	2.34	19.34	H
									H
	6964	-47.53	-13	-34.53	-74.61	-55.61	1.73	11.95	V
	10446	-42.64	-13	-29.64	-74.06	-49.04	2.39	10.94	V
	13929	-37.05	-13	-24.05	-72.79	-44.30	2.87	12.27	V
	20893	-53.74	-13	-40.74	-75.88	-68.20	2.07	18.68	V
	24375	-47.19	-13	-34.19	-73.19	-60.65	2.02	17.63	V
	27858	-49.80	-13	-36.80	-77.15	-64.65	2.34	19.34	V
									V
Highest	7024	-46.13	-13	-33.13	-73.92	-54.11	1.73	11.86	H
	10536	-42.69	-13	-29.69	-74.44	-49.03	2.41	10.90	H
	14049	-37.65	-13	-24.65	-73.01	-44.71	2.88	12.08	H
	21073	-53.64	-13	-40.64	-76.05	-68.13	2.06	18.70	H
	24585	-48.38	-13	-35.38	-73.14	-61.83	2.04	17.64	H
	28098	-51.12	-13	-38.12	-76.74	-66.03	2.38	19.44	H
									H
	7024	-46.76	-13	-33.76	-74.08	-54.74	1.73	11.86	V
	10536	-42.74	-13	-29.74	-74.21	-49.08	2.41	10.90	V
	14049	-37.22	-13	-24.22	-72.63	-44.28	2.88	12.08	V
	21073	-54.48	-13	-41.48	-76.6	-68.97	2.06	18.70	V
	24585	-50.70	-13	-37.70	-76.81	-64.15	2.04	17.64	V
	28098	-49.40	-13	-36.40	-76.51	-64.31	2.38	19.44	V
									V

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