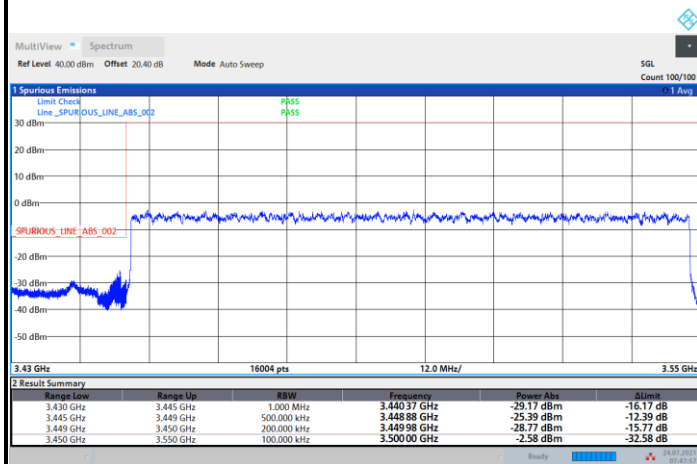


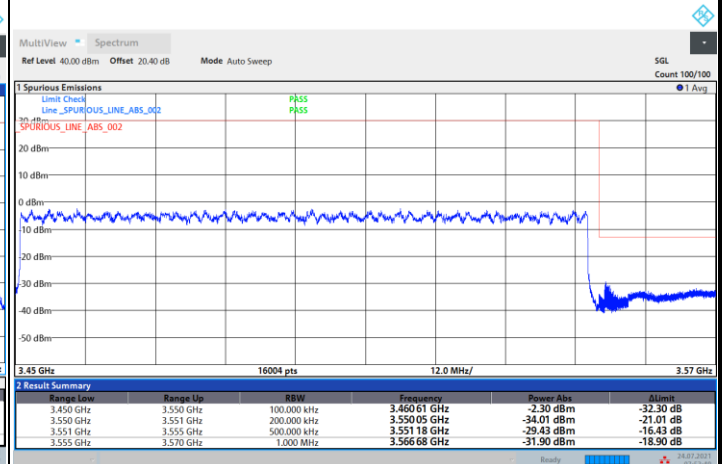


FR1 n77 / 100MHz / DFT-S OFDM / 16QAM

Lowest Band Edge / Full RB



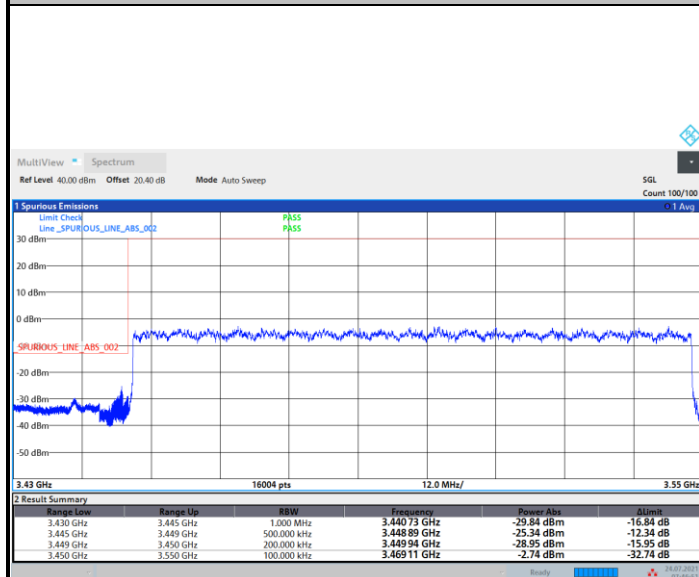
Highest Band Edge / Full RB



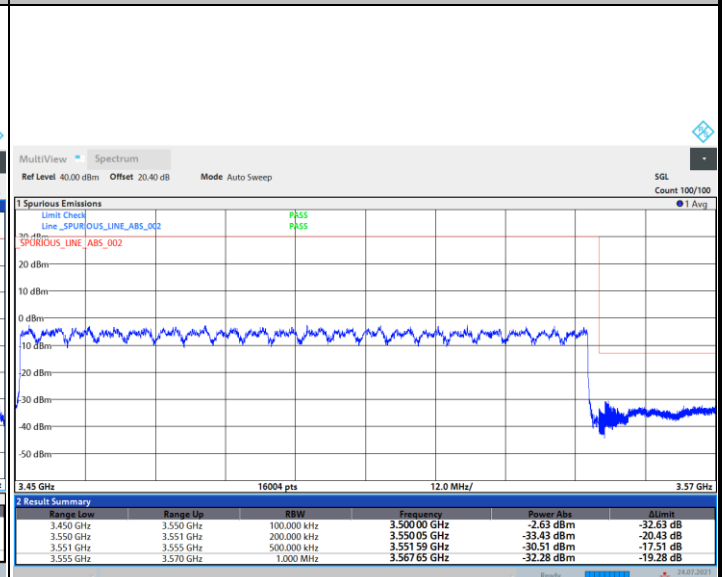


FR1 n77 / 100MHz / DFT-S OFDM / 64QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

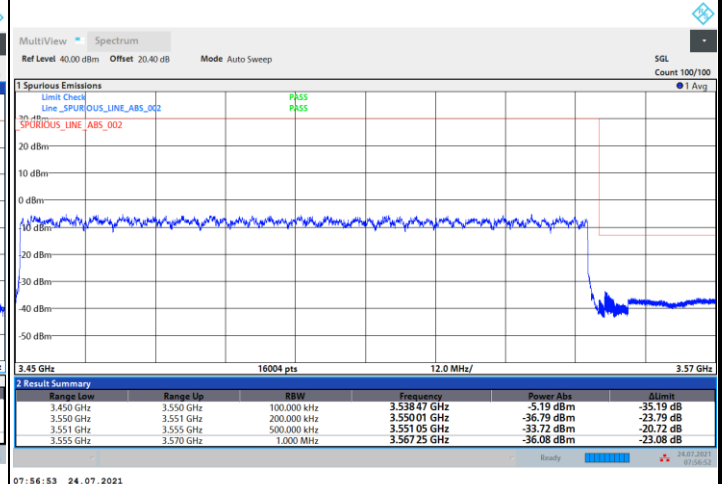
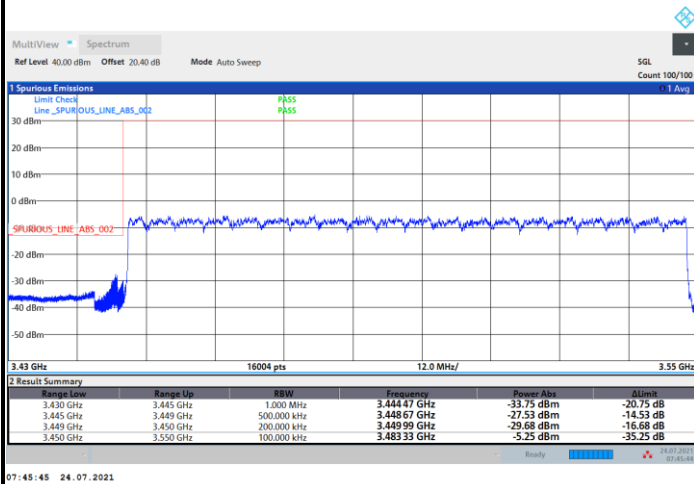




FR1 n77 / 100MHz / DFT-S OFDM / 256QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

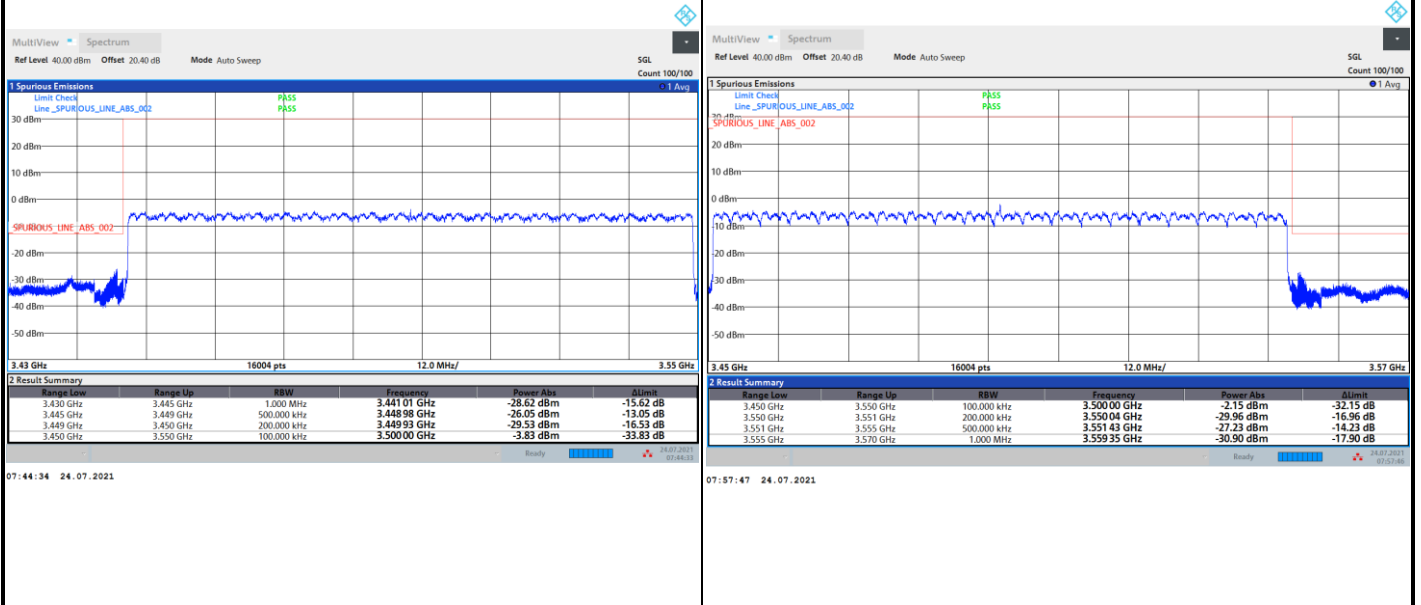




FR1 n77 / 100MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge

Highest Band Edge



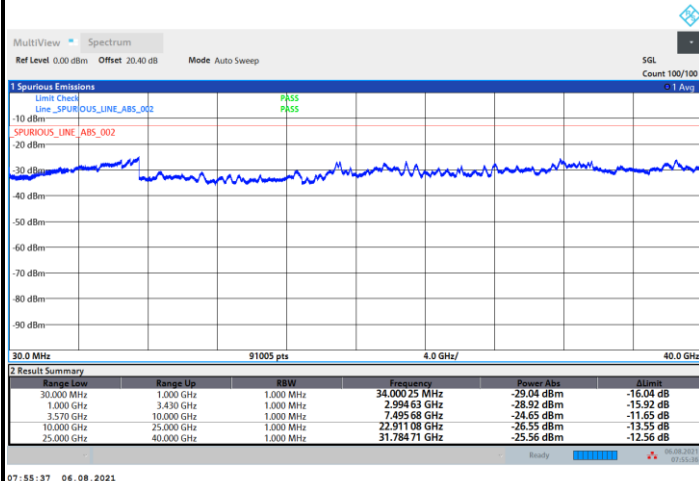


Conducted Spurious Emission

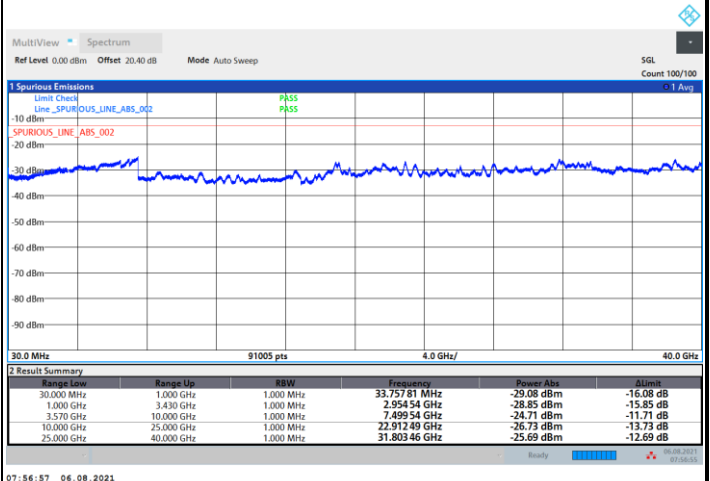


FR1 n77 / 10MHz / DFT-S OFDM / QPSK / 1RB1

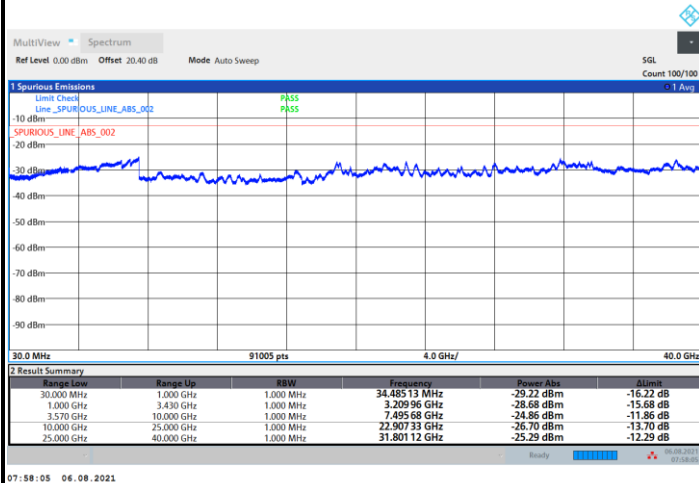
Lowest Channel



Middle Channel



Highest Channel



Frequency Stability

Test Conditions		FR1 n77 (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0015	PASS
40	Normal Voltage	0.0000	
30	Normal Voltage	0.0015	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0025	
0	Normal Voltage	0.0011	
-10	Normal Voltage	0.0024	
-20	Normal Voltage	0.0021	
-30	Normal Voltage	0.0002	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0008	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.60 V. ; Maximum Voltage =4.45 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

<Primary Antenna>

<Ant. 6>

EN-DC 7A-n77A

EN-DC 7A-n77A / 20MHz / 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	-54.28	-13	-41.28	-60.05	-62.34	2.62	10.68	H
	10352	-41.78	-13	-28.78	-51.13	-51.43	2.69	12.34	H
	13808	-58.05	-13	-45.05	-71.49	-68.92	3.13	14.01	H
									H
									H
									H
	6904	-52.86	-13	-39.86	-58.62	-60.92	2.62	10.68	V
	10352	-43.11	-13	-30.11	-52.32	-52.76	2.69	12.34	V
	13808	-57.53	-13	-44.53	-71.2	-68.40	3.13	14.01	V
									V
									V
									V
Middle	6982	-54.43	-13	-41.43	-59.81	-62.61	2.60	10.78	H
	10476	-45.06	-13	-32.06	-54.73	-54.76	2.69	12.39	H
	13965	-57.71	-13	-44.71	-71.26	-68.70	3.17	14.17	H
									H
									H
									H
	6982	-54.33	-13	-41.33	-59.75	-62.51	2.60	10.78	V
	10476	-46.35	-13	-33.35	-55.86	-56.05	2.69	12.39	V
	13965	-57.32	-13	-44.32	-71.15	-68.31	3.17	14.17	V
									V
									V
									V



Highest	7060	-52.29	-13	-39.29	-57.55	-60.64	2.57	10.92	H
	10596	-43.81	-13	-30.81	-53.94	-53.54	2.69	12.42	H
	14115	-58.09	-13	-45.09	-71.69	-68.78	3.23	13.92	H
									H
									H
									H
	7060	-49.97	-13	-36.97	-55.28	-58.32	2.57	10.92	V
	10596	-42.28	-13	-29.28	-52.12	-52.01	2.69	12.42	V
	14115	-57.77	-13	-44.77	-71.56	-68.46	3.23	13.92	V
									V
									V
									V

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



EN-DC 7A-n77A / 100MHz / 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)
Middle	6904	-54.29	-13	-41.29	-60.06	-62.35	2.62	10.68	H
	10356	-46.17	-13	-33.17	-55.53	-55.82	2.69	12.34	H
	13808	-58.27	-13	-45.27	-71.71	-69.14	3.13	14.01	H
									H
									H
									H
	6904	-52.75	-13	-39.75	-58.51	-60.81	2.62	10.68	V
	10356	-48.60	-13	-35.60	-57.82	-58.25	2.69	12.34	V
	13808	-57.86	-13	-44.86	-71.53	-68.73	3.13	14.01	V
									V
									V
									V

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



<ASDIV Antenna>

<Ant. 2>

EN-DC 7A-n77A

EN-DC 7A-n77A / 20MHz / 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	-58.53	-13	-45.53	-64.25	-66.59	2.62	10.68	H
	10351	-53.12	-13	-40.12	-62.39	-62.77	2.69	12.34	H
	13800	-57.79	-13	-44.79	-71.16	-68.66	3.13	14.00	H
									H
									H
									H
	6904	-57.61	-13	-44.61	-63.4	-65.67	2.62	10.68	V
	10351	-49.42	-13	-36.42	-58.62	-59.07	2.69	12.34	V
	13800	-57.77	-13	-44.77	-71.41	-68.64	3.13	14.00	V
									V
									V
									V
Middle	6982	-59.44	-13	-46.44	-64.9	-67.62	2.60	10.78	H
	10476	-48.01	-13	-35.01	-57.81	-57.71	2.69	12.39	H
	13965	-57.62	-13	-44.62	-71.16	-68.61	3.17	14.17	H
									H
									H
									H
	6982	-59.57	-13	-46.57	-65.01	-67.75	2.60	10.78	V
	10476	-44.65	-13	-31.65	-54.26	-54.35	2.69	12.39	V
	13965	-57.04	-13	-44.04	-70.87	-68.03	3.17	14.17	V
									V
									V
									V



Highest	7060	-53.97	-13	-40.97	-59.17	-62.32	2.57	10.92	H
	10596	-47.11	-13	-34.11	-57.19	-56.84	2.69	12.42	H
	14115	-57.75	-13	-44.75	-71.43	-68.44	3.23	13.92	H
									H
									H
									H
	7060	-50.34	-13	-37.34	-55.59	-58.69	2.57	10.92	V
	10596	-43.08	-13	-30.08	-52.87	-52.81	2.69	12.42	V
	14115	-57.36	-13	-44.36	-71.25	-68.05	3.23	13.92	V
									V
									V
									V

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



EN-DC 7A-n77A / 100MHz / 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)
Middle	6904	-57.25	-13	-44.25	-62.98	-65.31	2.62	10.68	H
	10356	-49.17	-13	-36.17	-58.54	-58.82	2.69	12.34	H
	13800	-58.02	-13	-45.02	-71.44	-68.89	3.13	14.00	H
									H
									H
									H
									H
	6904	-56.96	-13	-43.96	-62.61	-65.02	2.62	10.68	V
	10356	-47.48	-13	-34.48	-56.67	-57.13	2.69	12.34	V
	13800	-57.85	-13	-44.85	-71.47	-68.72	3.13	14.00	V
									V
									V
									V
									V

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

—————THE END—————