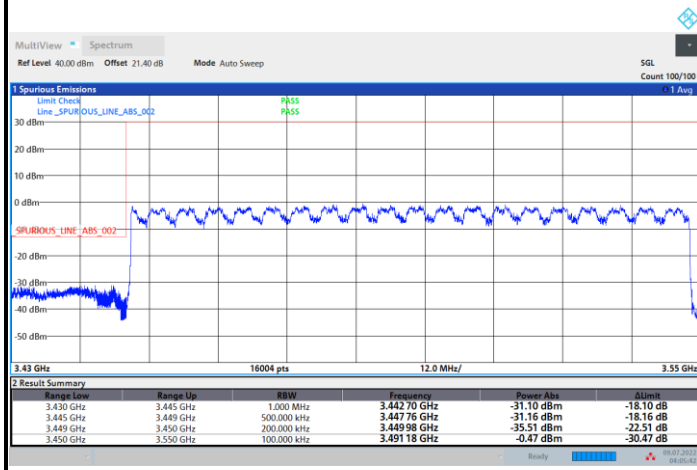


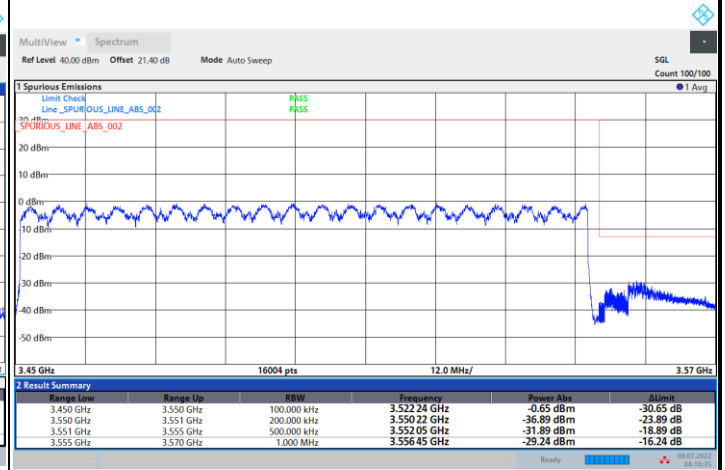


FR1 n77 / 100MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

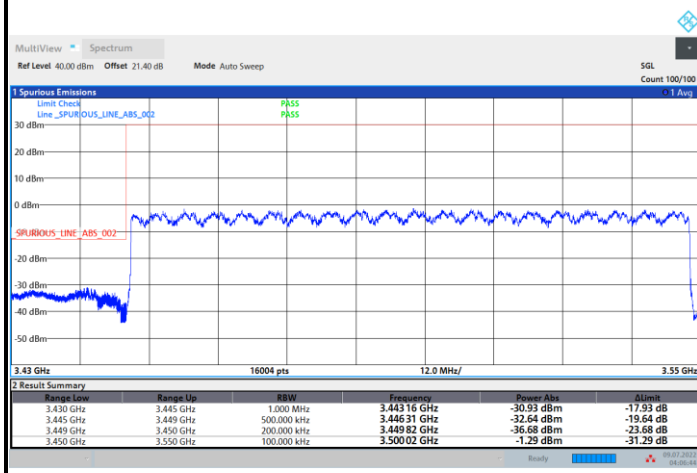


Highest Band Edge / Full RB

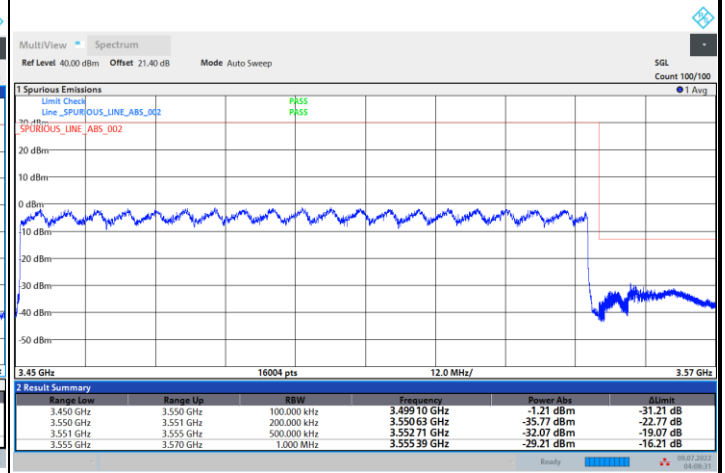


FR1 n77 / 100MHz / DFT-S OFDM / QPSK

Lowest Band Edge / Full RB



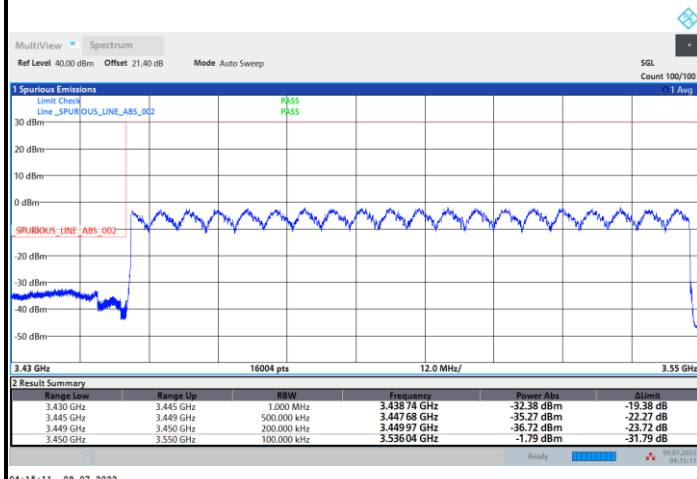
Highest Band Edge / Full RB



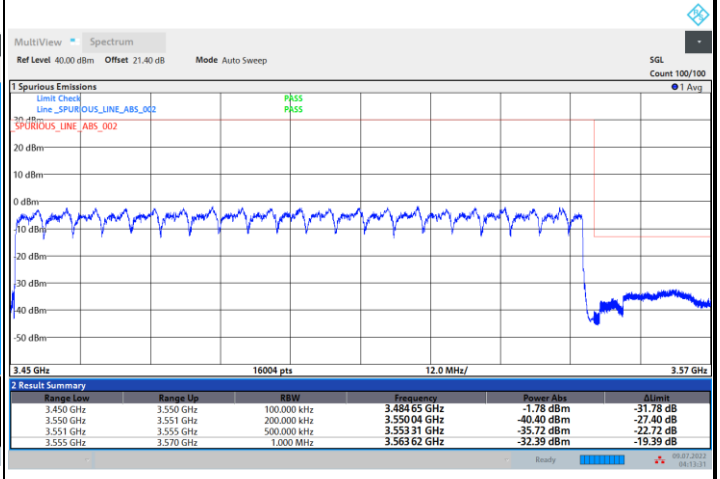


FR1 n77 / 100MHz / DFT-S OFDM / 16QAM

Lowest Band Edge / Full RB

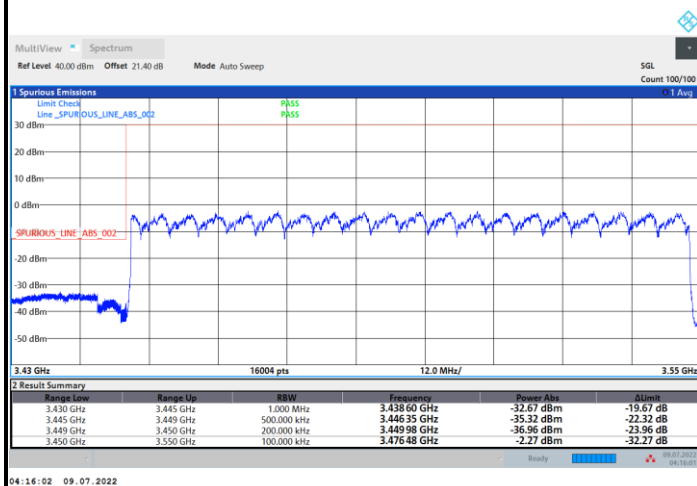


Highest Band Edge / Full RB

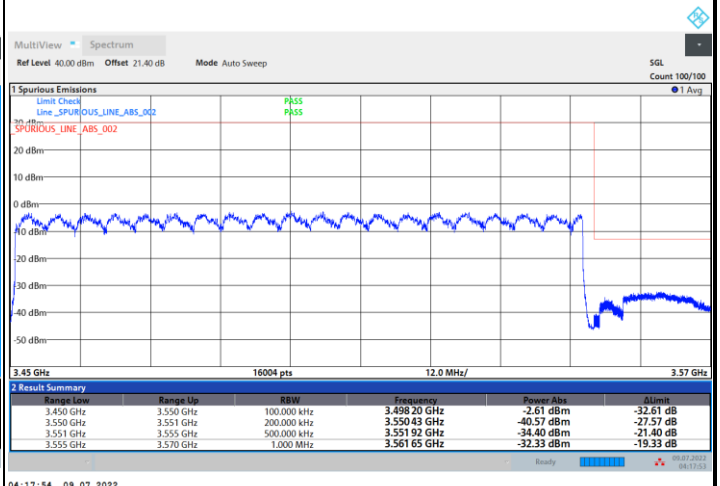


FR1 n77 / 100MHz / DFT-S OFDM / 64QAM

Lowest Band Edge / Full RB



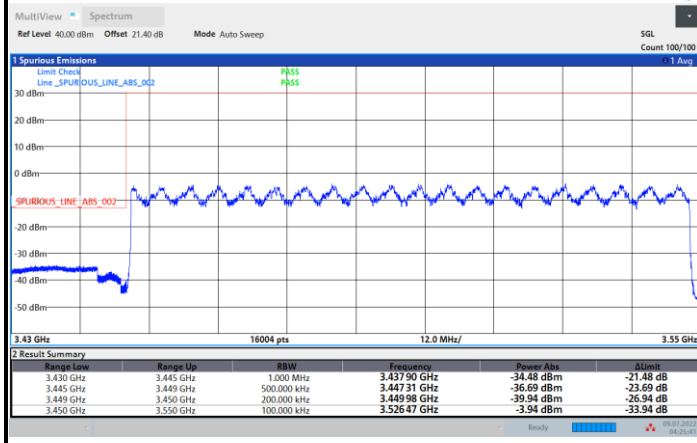
Highest Band Edge / Full RB



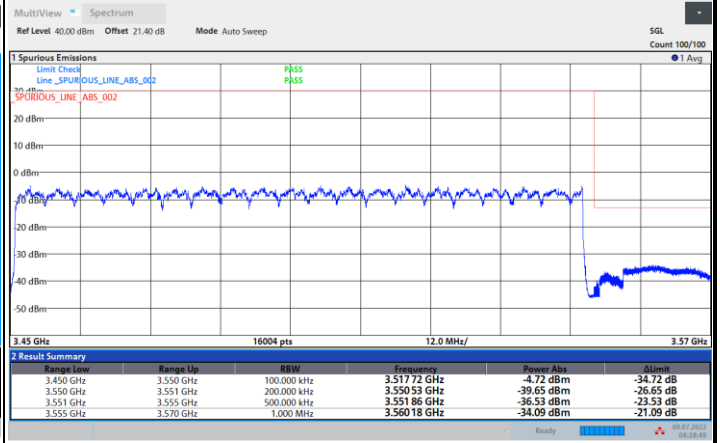


FR1 n77 / 100MHz / DFT-S OFDM / 256QAM

Lowest Band Edge / Full RB

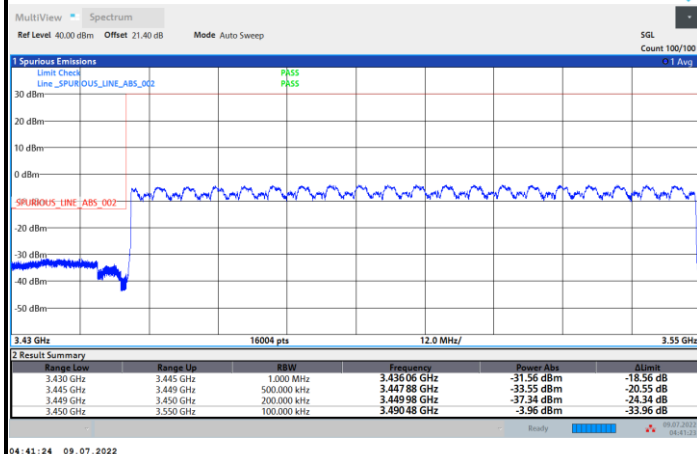


Highest Band Edge / Full RB

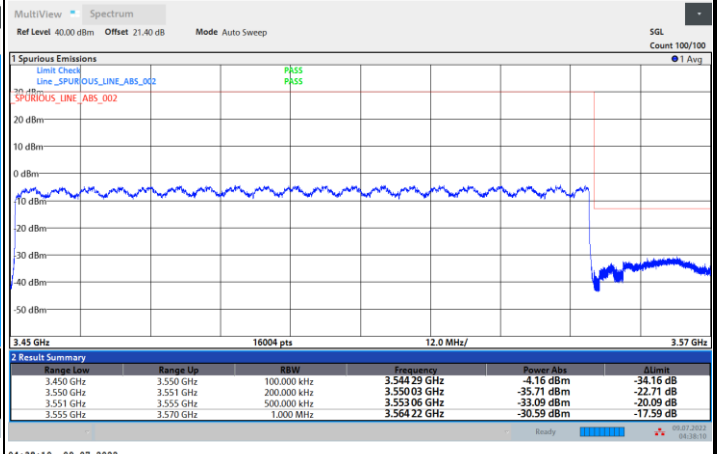


FR1 n77 / 100MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge



Highest Band Edge

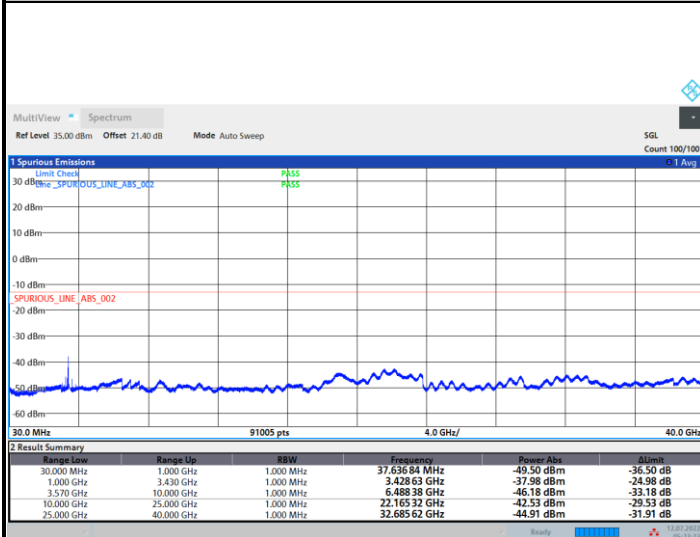




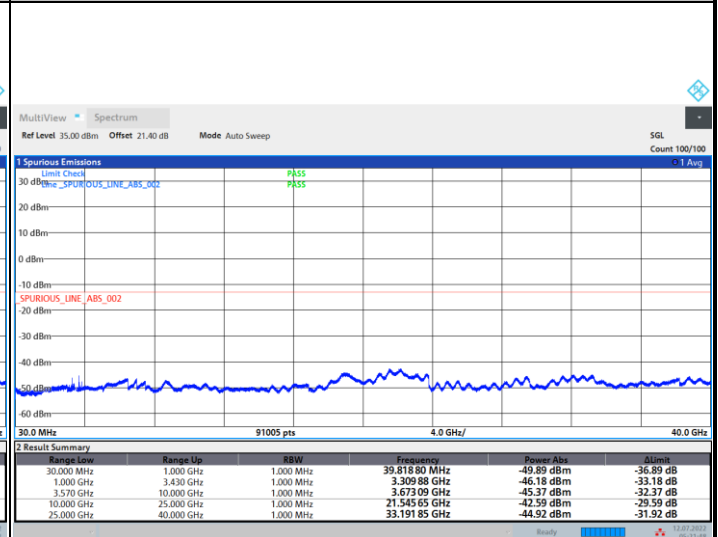
Conducted Spurious Emission

FR1 n77 / 20MHz / DFT-S OFDM / QPSK / 1RB1

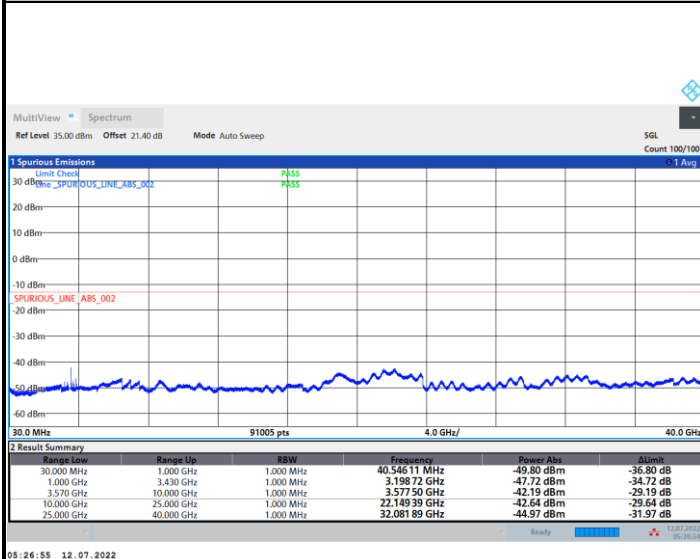
Lowest Channel



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	0.0033	PASS
40	Normal Voltage	0.0016	
30	Normal Voltage	0.0018	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0005	
0	Normal Voltage	0.0003	
-10	Normal Voltage	0.0039	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0011	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0004	
20	Battery End Point	0.0006	

Note:

1. Normal Voltage = 3.7 V. ; Battery End Point (BEP) = 3.135 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

<Ant. 2>

5G NR n77

5G NR n77 / 40MHz / BPSK									
Channel	Frequency (MHz)	ERP (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	-55.55	-13	-42.55	-81.71	-56.65	10.30	11.41	H
	10356	-51.85	-13	-38.85	-80.82	-50.87	12.73	11.76	H
	13809	-50.15	-13	-37.15	-81.2	-48.81	14.73	13.39	H
	17261	-51.18	-13	-38.18	-84.1	-51.25	16.65	16.72	H
	20713	-63.62	-13	-50.62	-77.12	-63.49	18.38	18.24	H
	24165	-62.15	-13	-49.15	-79.65	-60.75	19.90	18.50	H
									H
	6904	-54.41	-13	-41.41	-81.36	-55.51	10.30	11.41	V
	10356	-52.77	-13	-39.77	-80.95	-51.79	12.73	11.76	V
	13809	-50.20	-13	-37.20	-81.31	-48.86	14.73	13.39	V
	17261	-51.82	-13	-38.82	-84.14	-51.89	16.65	16.72	V
	20713	-63.75	-13	-50.75	-77.43	-63.62	18.38	18.24	V
	24165	-62.02	-13	-49.02	-79.78	-60.62	19.90	18.50	V
									V



Middle	6964	-55.27	-13	-42.27	-81.48	-56.39	10.35	11.47	H
	10446	-51.82	-13	-38.82	-80.83	-50.81	12.81	11.80	H
	13929	-50.58	-13	-37.58	-81.48	-49.13	14.81	13.36	H
	17411	-50.60	-13	-37.60	-83.79	-50.25	16.73	16.38	H
	20893	-63.71	-13	-50.71	-77.6	-63.79	18.46	18.54	H
	24375	-61.27	-13	-48.27	-79.74	-59.82	19.95	18.50	H
									H
	6964	-54.42	-13	-41.42	-81.39	-55.54	10.35	11.47	V
	10446	-52.85	-13	-39.85	-81.1	-51.84	12.81	11.80	V
	13929	-50.36	-13	-37.36	-81.42	-48.91	14.81	13.36	V
	17411	-51.53	-13	-38.53	-84.01	-51.18	16.73	16.38	V
	20893	-63.10	-13	-50.10	-77.2	-63.18	18.46	18.54	V
	24375	-61.41	-13	-48.41	-80.13	-59.96	19.95	18.50	V
									V
Highest	7024	-54.68	-13	-41.68	-81.03	-55.59	10.40	11.30	H
	10536	-52.18	-13	-39.18	-81.26	-51.11	12.87	11.80	H
	14049	-50.57	-13	-37.57	-81.36	-49.09	14.88	13.40	H
	17561	-50.63	-13	-37.63	-84.18	-49.85	16.79	16.02	H
	21073	-64.38	-13	-51.38	-78.54	-64.52	18.54	18.68	H
	24585	-60.90	-13	-47.90	-79.98	-59.38	20.02	18.50	H
									H
	7024	-54.53	-13	-41.53	-81.59	-55.44	10.40	11.30	V
	10536	-52.60	-13	-39.60	-80.97	-51.53	12.87	11.80	V
	14049	-50.56	-13	-37.56	-81.61	-49.08	14.88	13.40	V
	17561	-51.63	-13	-38.63	-84.44	-50.85	16.79	16.02	V
	21073	-64.62	-13	-51.62	-79.02	-64.76	18.54	18.68	V
	24585	-61.97	-13	-48.97	-81.3	-60.45	20.02	18.50	V
									V

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



<Ant. 0 + Ant. 2>

EN-DC 66A-n77A

EN-DC 66A-n77A / 40MHz / BPSK									
Channel	Frequency (MHz)	ERP (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	6905	-55.27	-13	-42.27	-81.43	-56.38	10.30	11.41	H
	10365	-52.28	-13	-39.28	-81.25	-51.30	12.74	11.77	H
	13809	-50.05	-13	-37.05	-81.1	-48.71	14.73	13.39	H
	17261	-51.01	-13	-38.01	-83.93	-51.08	16.65	16.72	H
	20713	-64.15	-13	-51.15	-77.65	-64.02	18.38	18.24	H
	24165	-62.70	-13	-49.70	-80.2	-61.30	19.90	18.50	H
									H
	6905	-54.76	-13	-41.76	-81.71	-55.87	10.30	11.41	V
	10365	-52.88	-13	-39.88	-81.06	-51.90	12.74	11.77	V
	13809	-50.28	-13	-37.28	-81.39	-48.94	14.73	13.39	V
	17261	-51.82	-13	-38.82	-84.14	-51.89	16.65	16.72	V
	20713	-64.30	-13	-51.30	-77.98	-64.17	18.38	18.24	V
	24165	-61.99	-13	-48.99	-79.75	-60.59	19.90	18.50	V
									V



Middle	6964	-55.42	-13	-42.42	-81.63	-56.54	10.35	11.47	H
	10446	-51.89	-13	-38.89	-80.9	-50.88	12.81	11.80	H
	13929	-50.47	-13	-37.47	-81.37	-49.02	14.81	13.36	H
	17411	-50.60	-13	-37.60	-83.79	-50.25	16.73	16.38	H
	20893	-63.93	-13	-50.93	-77.82	-64.01	18.46	18.54	H
	24375	-61.62	-13	-48.62	-80.09	-60.17	19.95	18.50	H
									H
	6964	-54.41	-13	-41.41	-81.38	-55.53	10.35	11.47	V
	10446	-52.71	-13	-39.71	-80.96	-51.70	12.81	11.80	V
	13929	-50.16	-13	-37.16	-81.22	-48.71	14.81	13.36	V
	17411	-51.38	-13	-38.38	-83.86	-51.03	16.73	16.38	V
	20893	-63.84	-13	-50.84	-77.94	-63.92	18.46	18.54	V
	24375	-61.40	-13	-48.40	-80.12	-59.95	19.95	18.50	V
									V
Highest	7024	-54.68	-13	-41.68	-81.03	-55.59	10.40	11.30	H
	10536	-51.89	-13	-38.89	-80.97	-50.82	12.87	11.80	H
	14049	-50.78	-13	-37.78	-81.57	-49.30	14.88	13.40	H
	17561	-50.95	-13	-37.95	-84.5	-50.17	16.79	16.02	H
	21073	-64.28	-13	-51.28	-78.44	-64.42	18.54	18.68	H
	24585	-60.82	-13	-47.82	-79.9	-59.30	20.02	18.50	H
									H
	7024	-54.14	-13	-41.14	-81.2	-55.05	10.40	11.30	V
	10536	-52.78	-13	-39.78	-81.15	-51.71	12.87	11.80	V
	14049	-50.45	-13	-37.45	-81.5	-48.97	14.88	13.40	V
	17561	-51.30	-13	-38.30	-84.11	-50.52	16.79	16.02	V
	21073	-63.78	-13	-50.78	-78.18	-63.92	18.54	18.68	V
	24585	-60.64	-13	-47.64	-79.97	-59.12	20.02	18.50	V
									V

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



EN-DC 66A-n77A / 100MHz / BPSK									
Channel	Frequency (MHz)	ERP (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	6851	-55.64	-13	-42.64	-81.75	-56.58	10.26	11.20	H
	10276	-52.52	-13	-39.52	-81.46	-51.50	12.67	11.65	H
	13702	-50.30	-13	-37.30	-81.47	-48.94	14.67	13.30	H
	17127	-51.20	-13	-38.20	-83.86	-51.36	16.58	16.75	H
	20553	-64.87	-13	-51.87	-78.03	-65.00	18.30	18.44	H
	23978	-62.52	-13	-49.52	-79.23	-60.99	19.85	18.32	H
									H
	6851	-54.51	-13	-41.51	-81.43	-55.45	10.26	11.20	V
	10276	-53.02	-13	-40.02	-81.14	-52.00	12.67	11.65	V
	13702	-50.16	-13	-37.16	-81.3	-48.80	14.67	13.30	V
	17127	-52.06	-13	-39.06	-84.23	-52.22	16.58	16.75	V
	20553	-64.17	-13	-51.17	-77.48	-64.30	18.30	18.44	V
	23978	-62.46	-13	-49.46	-79.44	-60.93	19.85	18.32	V
									V

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