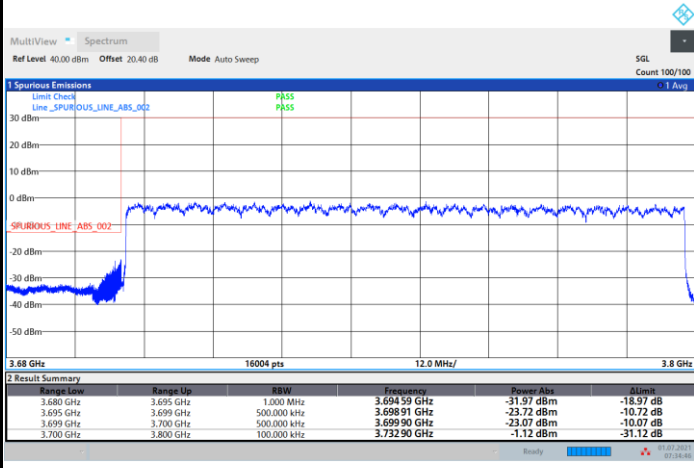




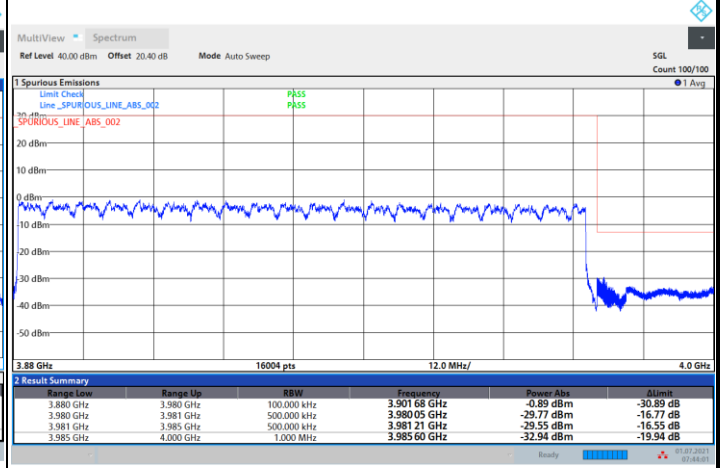
FR1 n77 / 100MHz / DFT-S OFDM / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



07:34:46 01.07.2021



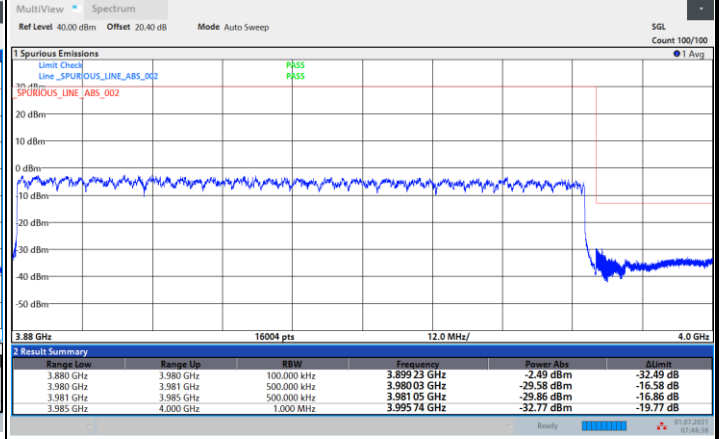
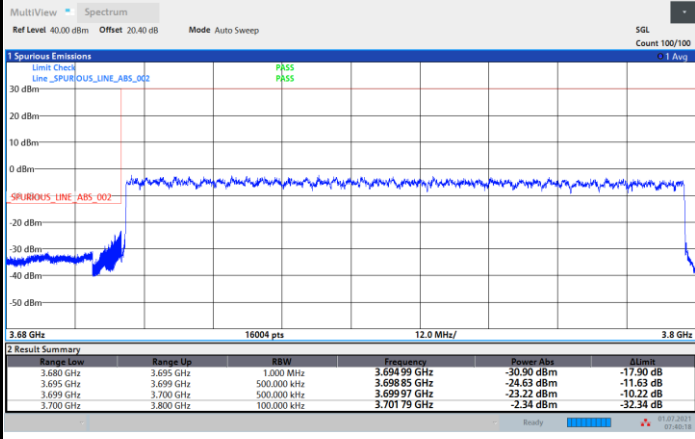
07:44:02 01.07.2021



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

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

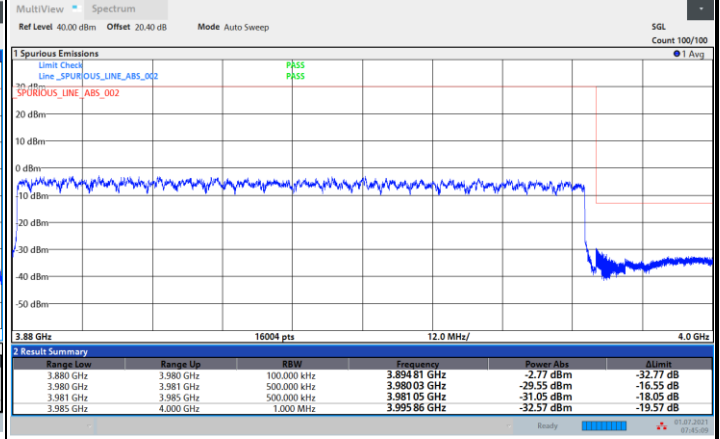
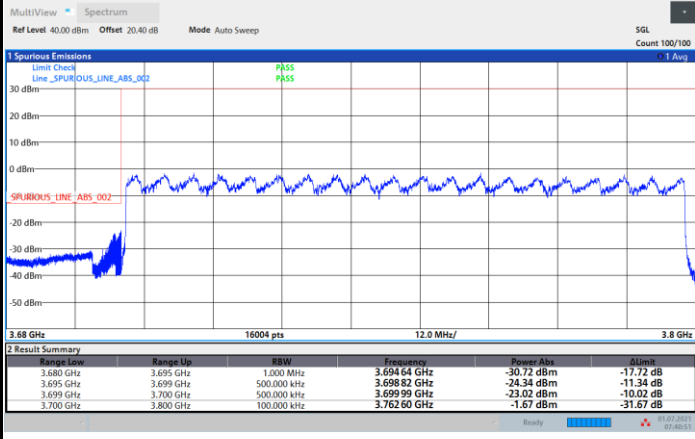




FR1 n77 / 100MHz / DFT-S OFDM / 64QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

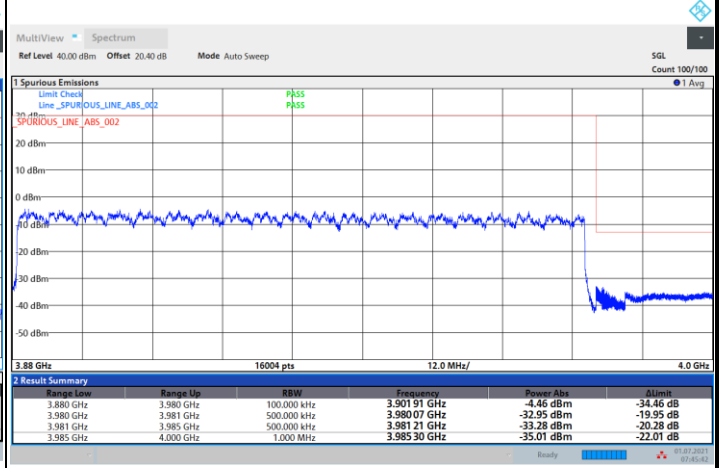
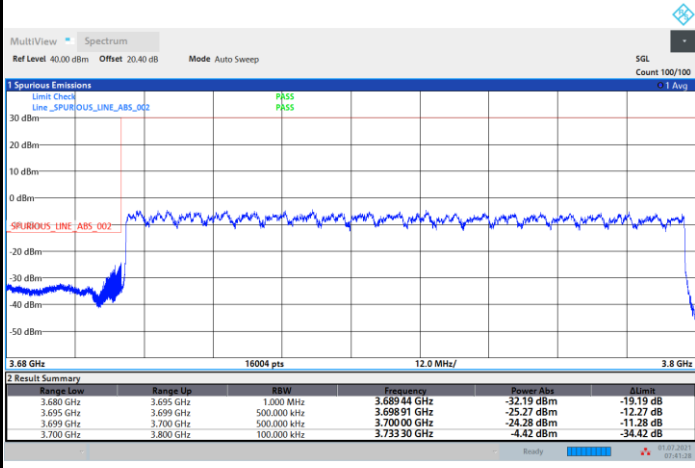


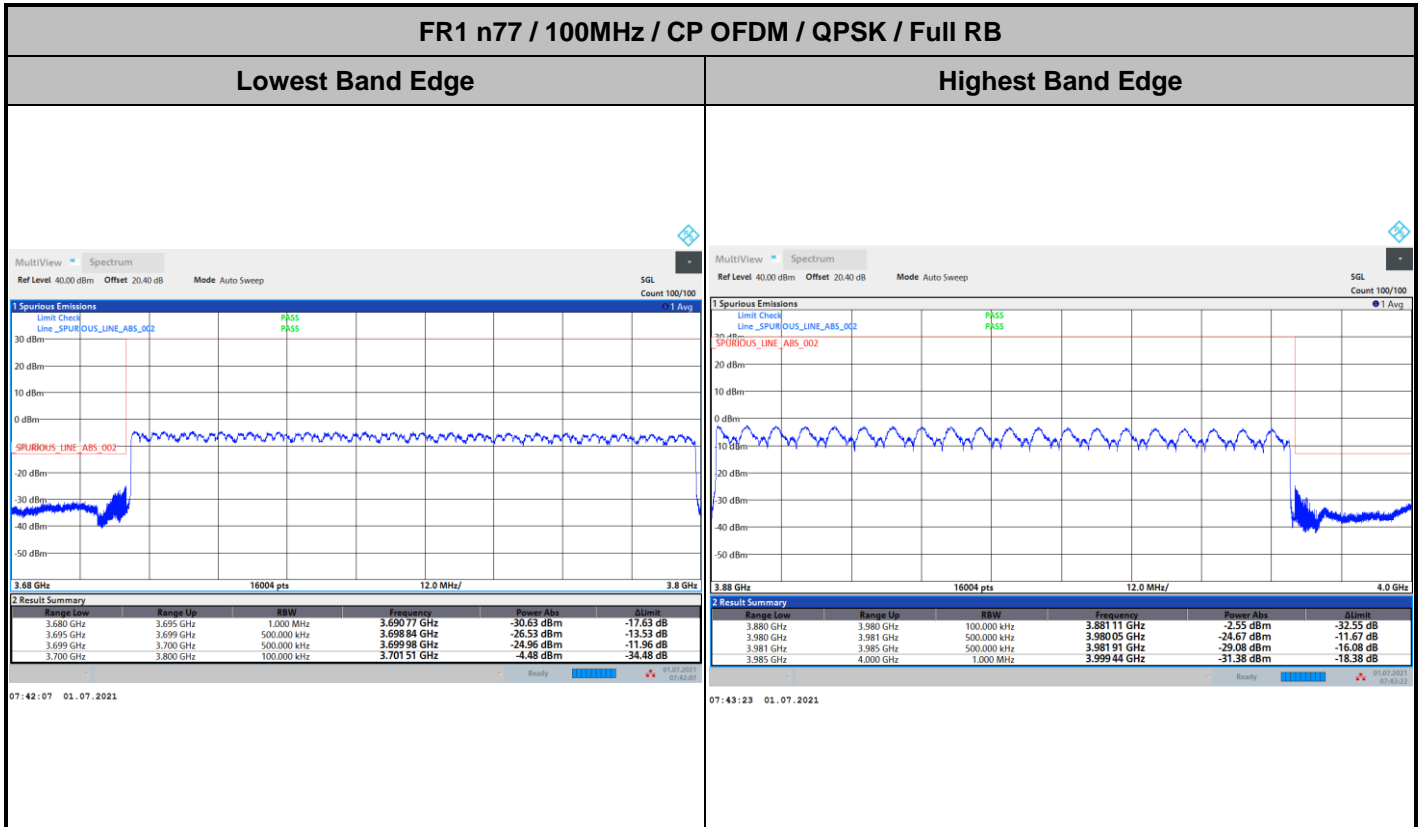


FR1 n77 / 100MHz / DFT-S OFDM / 256QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



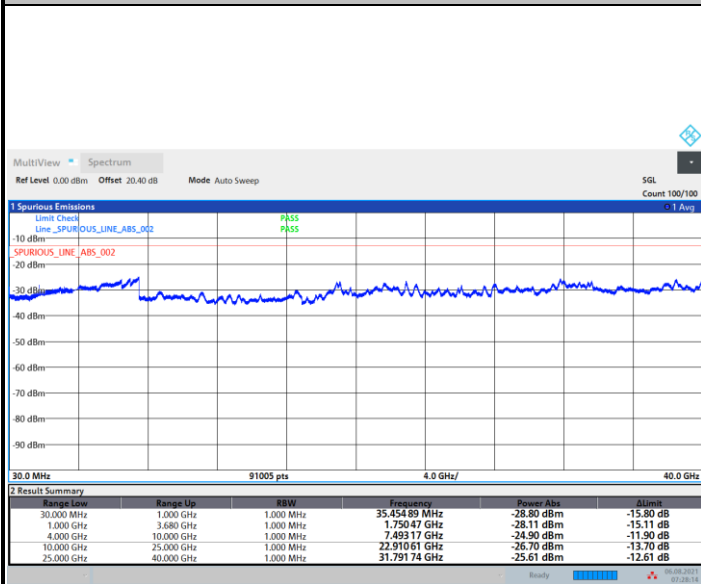




# Conducted Spurious Emission

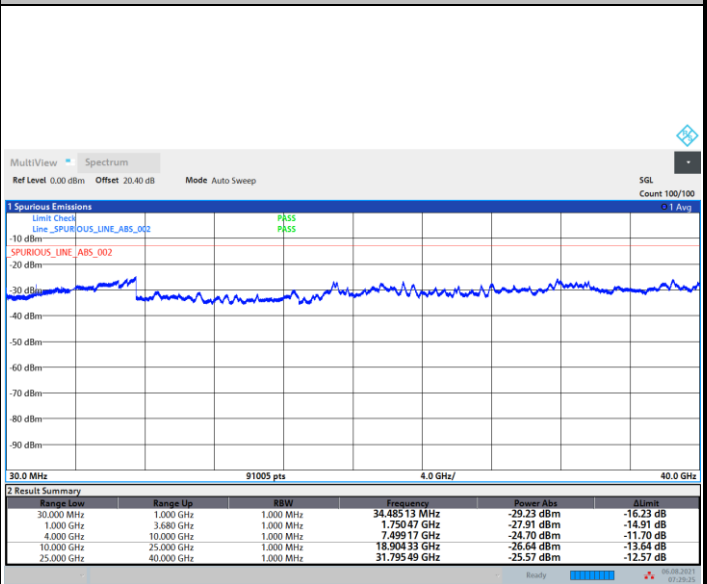
FR1 n77 / 10MHz / DFT-S OFDM / QPSK / 1RB1

## Lowest Channel



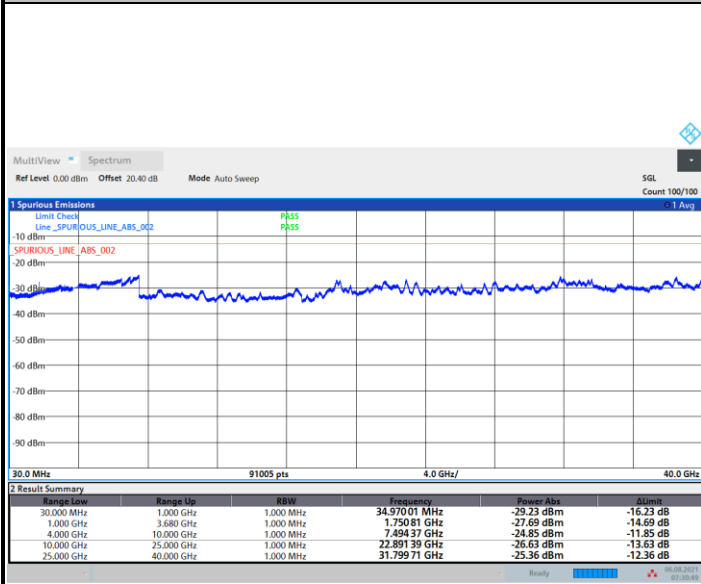
07:28:14 06.08.2021

## Middle Channel



07:29:26 06.08.2021

## Highest Channel



07:30:49 06.08.2021



Frequency Stability

Test Conditions		FR1 n77 (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0009	PASS
40	Normal Voltage	0.0001	
30	Normal Voltage	0.0010	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0016	
0	Normal Voltage	0.0004	
-10	Normal Voltage	0.0022	
-20	Normal Voltage	0.0022	
-30	Normal Voltage	0.0040	
20	Maximum Voltage	0.0009	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0027	

Note:

1. Normal Voltage =3.86 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	7405	-46.50	-13	-33.50	-73.8	-53.66	1.94	11.25	H
	11105	-42.12	-13	-29.12	-73.35	-48.39	2.61	11.03	H
	14808	-36.72	-13	-23.72	-72.39	-43.62	2.94	11.99	H
	18510	-51.10	-13	-38.10	-69.49	-64.95	1.90	17.90	H
	22206	-38.58	-13	-25.58	-61.04	-53.20	2.05	18.82	H
	25908	-50.92	-13	-37.92	-77.03	-65.89	1.96	19.08	H
									H
	7405	-46.62	-13	-33.62	-73.77	-53.78	1.94	11.25	V
	11103	-42.50	-13	-29.50	-73.57	-48.77	2.61	11.02	V
	14808	-38.53	-13	-25.53	-72.25	-45.43	2.94	11.99	V
	18510	-54.89	-13	-41.89	-72.42	-68.74	1.90	17.90	V
	22206	-43.92	-13	-30.92	-66.4	-58.54	2.05	18.82	V
	25914	-49.75	-13	-36.75	-76.96	-64.73	1.95	19.08	V
									V





Middle	7665	-47.06	-13	-34.06	-73.42	-54.03	2.01	11.13	H
	11495	-41.75	-13	-28.75	-73.46	-48.65	2.44	11.49	H
	15324	-35.63	-13	-22.63	-72.22	-45.20	3.09	14.80	H
	19154	-42.63	-13	-29.63	-61.82	-56.72	1.82	18.05	H
	22983	-43.29	-13	-30.29	-67.53	-57.38	1.98	18.22	H
	26818	-50.13	-13	-37.13	-76.97	-64.54	2.17	18.74	H
									H
	7665	-47.34	-13	-34.34	-73.57	-54.31	2.01	11.13	V
	11493	-41.35	-13	-28.35	-72.91	-48.25	2.44	11.49	V
	15324	-37.51	-13	-24.51	-72.68	-47.08	3.09	14.80	V
	19154	-48.95	-13	-35.95	-67.45	-63.04	1.82	18.05	V
	22987	-51.05	-13	-38.05	-75.31	-65.13	1.98	18.21	V
	26813	-48.55	-13	-35.55	-76.88	-62.96	2.18	18.74	V
									V
Highest	7925	-46.44	-13	-33.44	-73.47	-53.43	2.05	11.19	H
	11885	-40.93	-13	-27.93	-72.98	-48.79	2.56	12.58	H
	15846	-35.45	-13	-22.45	-72.55	-47.41	3.06	17.18	H
	19809	-44.32	-13	-31.32	-64.27	-58.64	1.93	18.40	H
	23767	-49.25	-13	-36.25	-74.27	-63.12	1.98	18.00	H
	27723	-50.83	-13	-37.83	-77.07	-65.68	2.29	19.29	H
									H
	7925	-46.60	-13	-33.60	-73.42	-53.59	2.05	11.19	V
	11883	-40.47	-13	-27.47	-73	-48.33	2.56	12.57	V
	15846	-35.34	-13	-22.34	-72.66	-47.30	3.06	17.18	V
	19809	-44.57	-13	-31.57	-63.92	-58.89	1.93	18.40	V
	23772	-51.15	-13	-38.15	-76.57	-65.02	1.98	18.00	V
	27728	-49.83	-13	-36.83	-77.4	-64.68	2.29	19.29	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	7405	-46.40	-13	-33.40	-73.7	-53.56	1.94	11.25	H
	11105	-42.38	-13	-29.38	-73.61	-48.65	2.61	11.03	H
	14808	-36.62	-13	-23.62	-72.29	-43.52	2.94	11.99	H
	18510	-56.06	-13	-43.06	-74.45	-69.91	1.90	17.90	H
	22206	-50.86	-13	-37.86	-73.32	-65.48	2.05	18.82	H
	25908	-50.64	-13	-37.64	-76.75	-65.61	1.96	19.08	H
									H
	7405	-46.41	-13	-33.41	-73.56	-53.57	1.94	11.25	V
	11103	-42.76	-13	-29.76	-73.83	-49.03	2.61	11.02	V
	14808	-38.12	-13	-25.12	-71.84	-45.02	2.94	11.99	V
	18510	-54.43	-13	-41.43	-71.96	-68.28	1.90	17.90	V
	22207	-42.18	-13	-29.18	-64.66	-56.80	2.05	18.82	V
	25914	-49.90	-13	-36.90	-77.11	-64.88	1.95	19.08	V
									V



Middle	7665	-47.08	-13	-34.08	-73.44	-54.05	2.01	11.13	H
	11495	-41.82	-13	-28.82	-73.53	-48.72	2.44	11.49	H
	15324	-35.89	-13	-22.89	-72.48	-45.46	3.09	14.80	H
	19154	-48.42	-13	-35.42	-67.61	-62.51	1.82	18.05	H
	22983	-45.08	-13	-32.08	-69.32	-59.17	1.98	18.22	H
	26818	-50.04	-13	-37.04	-76.88	-64.45	2.17	18.74	H
									H
	7665	-47.01	-13	-34.01	-73.24	-53.98	2.01	11.13	V
	11495	-41.73	-13	-28.73	-73.29	-48.63	2.44	11.49	V
	15324	-37.32	-13	-24.32	-72.49	-46.89	3.09	14.80	V
	19154	-50.63	-13	-37.63	-69.13	-64.72	1.82	18.05	V
	22987	-42.25	-13	-29.25	-66.51	-56.33	1.98	18.21	V
	26813	-48.51	-13	-35.51	-76.84	-62.92	2.18	18.74	V
									V
Highest	7925	-46.57	-13	-33.57	-73.6	-53.56	2.05	11.19	H
	11885	-40.71	-13	-27.71	-72.76	-48.57	2.56	12.58	H
	15846	-35.45	-13	-22.45	-72.55	-47.41	3.06	17.18	H
	19809	-45.55	-13	-32.55	-65.5	-59.87	1.93	18.40	H
	23767	-50.67	-13	-37.67	-75.69	-64.54	1.98	18.00	H
	27723	-50.98	-13	-37.98	-77.22	-65.83	2.29	19.29	H
									H
	7925	-46.61	-13	-33.61	-73.43	-53.60	2.05	11.19	V
	11885	-40.36	-13	-27.36	-72.89	-48.22	2.56	12.58	V
	15846	-35.38	-13	-22.38	-72.7	-47.34	3.06	17.18	V
	19809	-36.03	-13	-23.03	-55.38	-50.35	1.93	18.40	V
	23772	-46.53	-13	-33.53	-71.95	-60.40	1.98	18.00	V
	27728	-49.85	-13	-36.85	-77.42	-64.70	2.29	19.29	V
									V

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

————THE END————