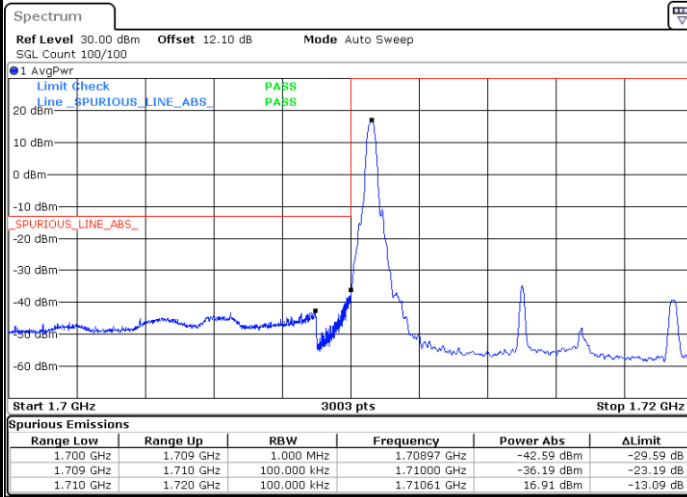




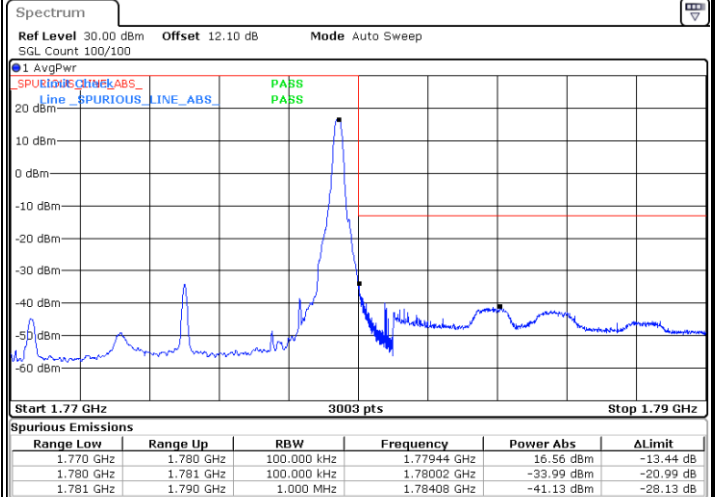
LTE Band 66 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



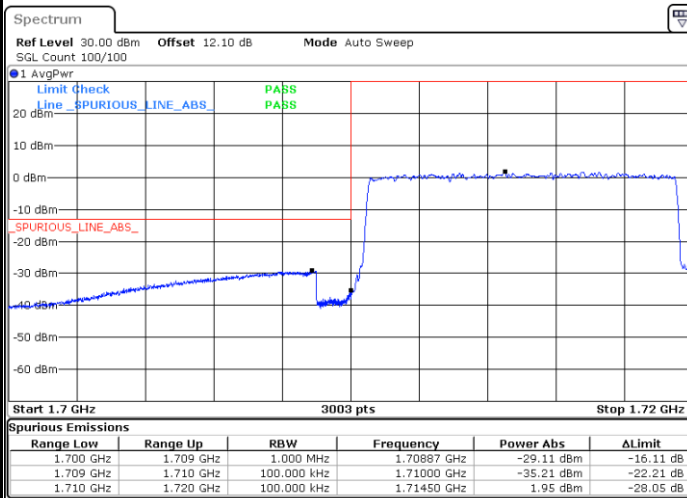
Date: 24 FEB 2021 13:40:46

Highest Band Edge / 1 RB



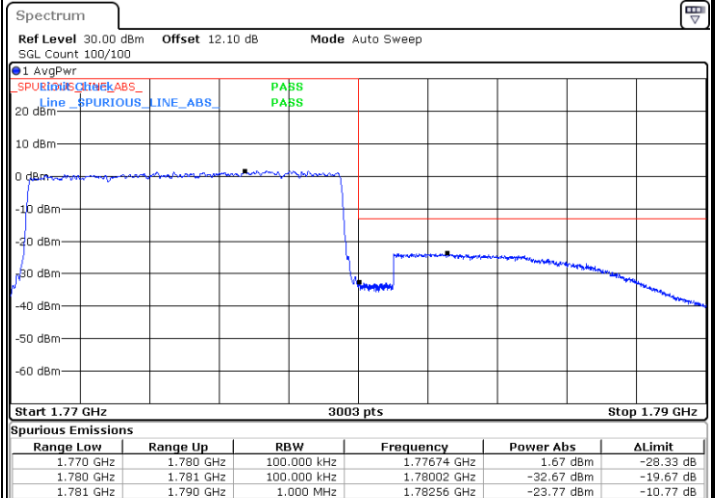
Date: 24 FEB 2021 13:42:41

Lowest Band Edge / Full RB



Date: 24 FEB 2021 13:41:24

Highest Band Edge / Full RB

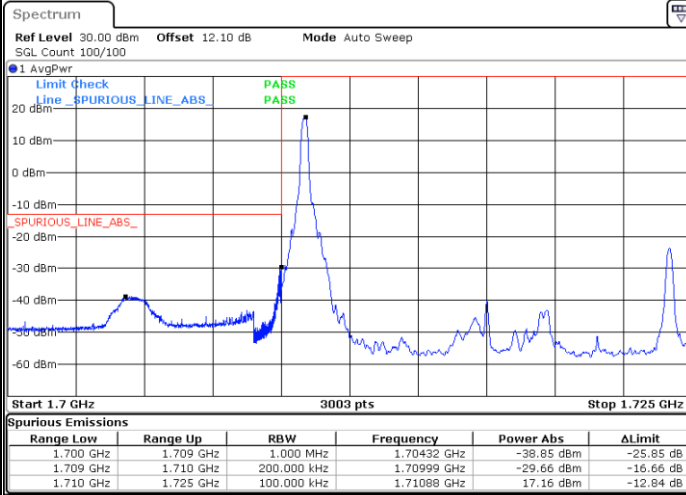


Date: 24 FEB 2021 13:43:19



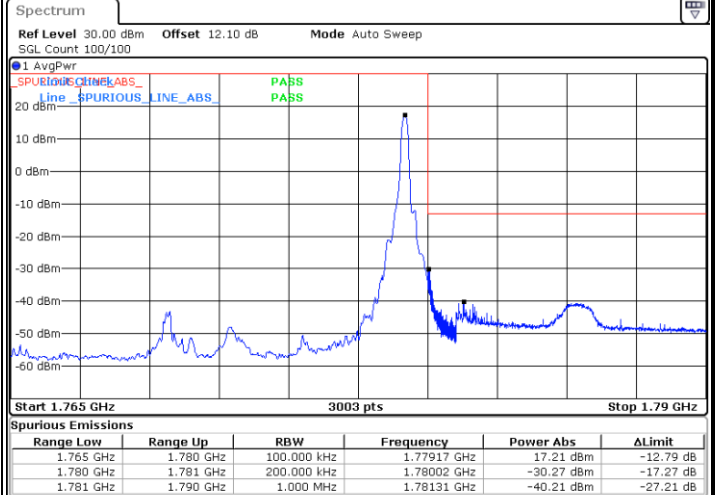
LTE Band 66 / 15MHz / QPSK

Lowest Band Edge / 1 RB



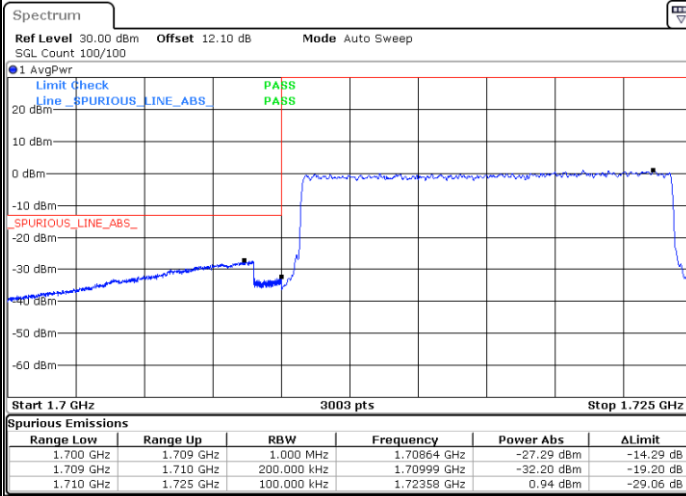
Date: 24 FEB 2021 13:47:44

Highest Band Edge / 1 RB



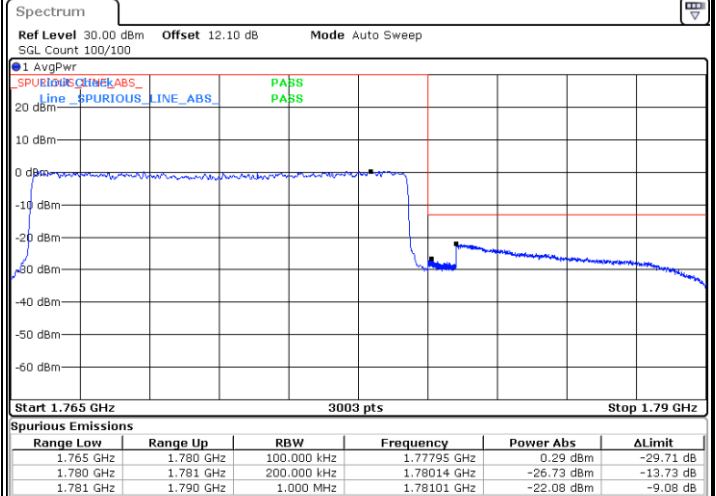
Date: 24 FEB 2021 13:54:35

Lowest Band Edge / Full RB



Date: 24 FEB 2021 13:48:59

Highest Band Edge / Full RB

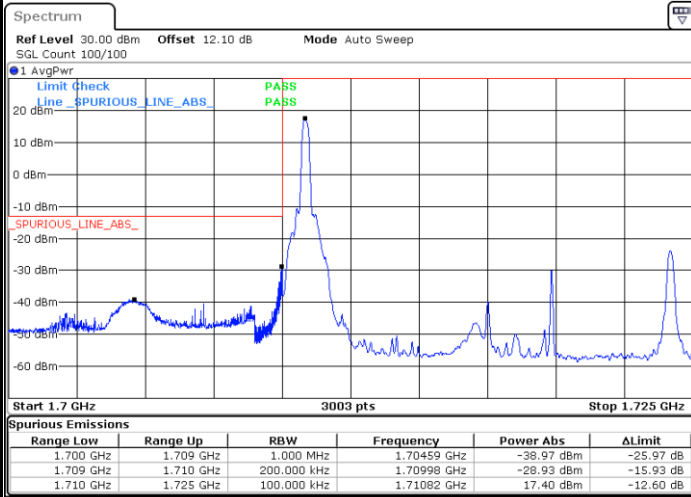


Date: 24 FEB 2021 13:55:50



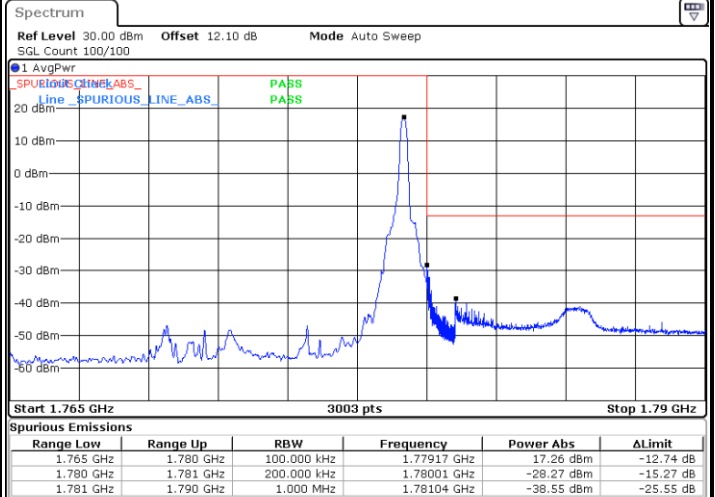
LTE Band 66 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



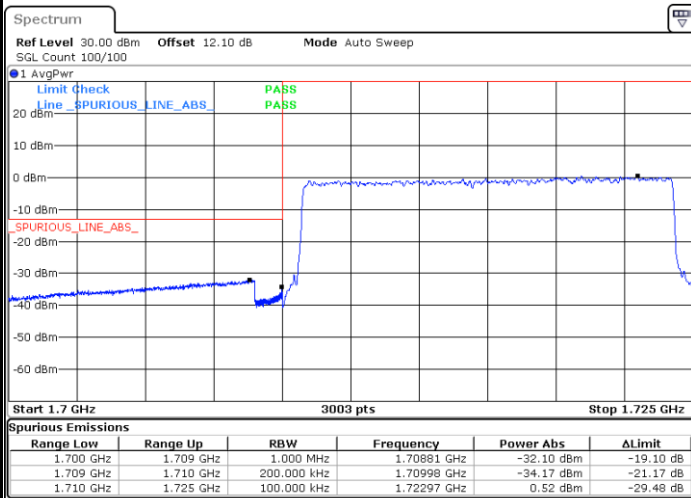
Date: 24 FEB 2021 13:48:21

Highest Band Edge / 1 RB



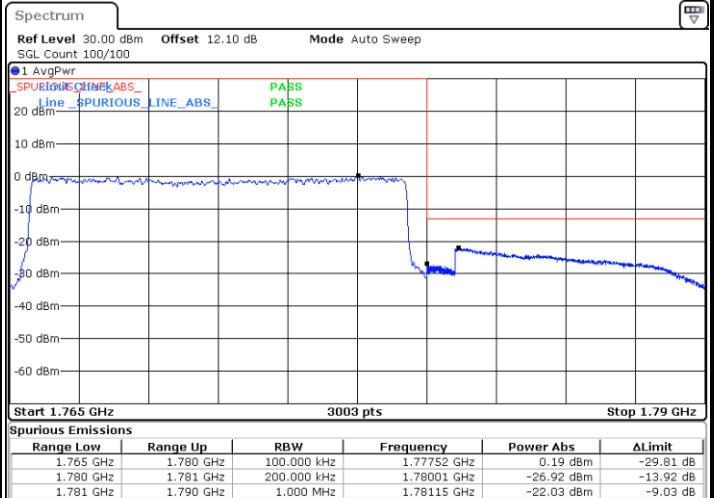
Date: 24 FEB 2021 13:55:12

Lowest Band Edge / Full RB



Date: 24 FEB 2021 13:49:36

Highest Band Edge / Full RB

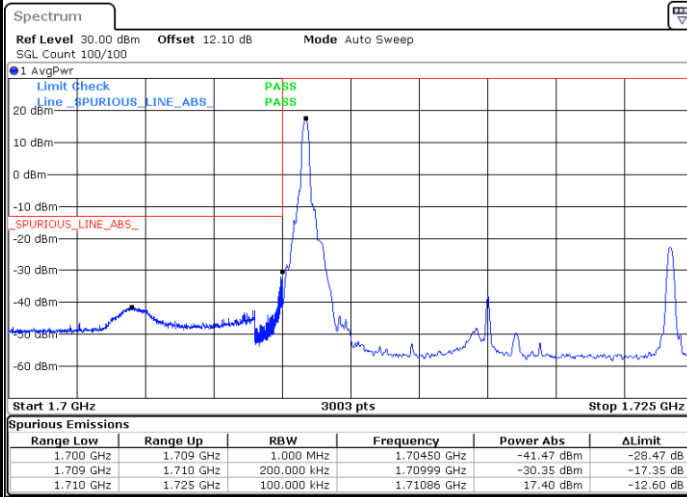


Date: 24 FEB 2021 13:56:27



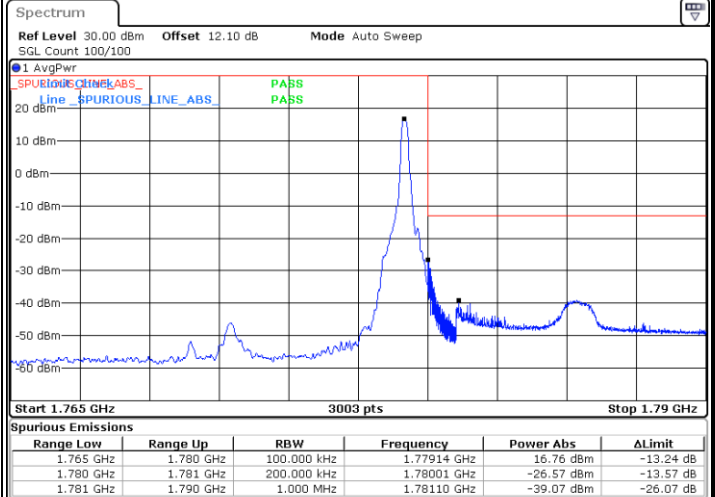
LTE Band 66 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



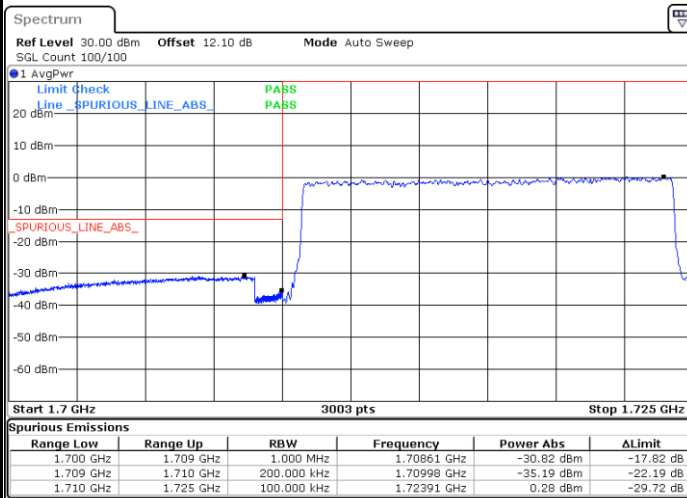
Date: 24 FEB 2021 13:44:34

Highest Band Edge / 1 RB



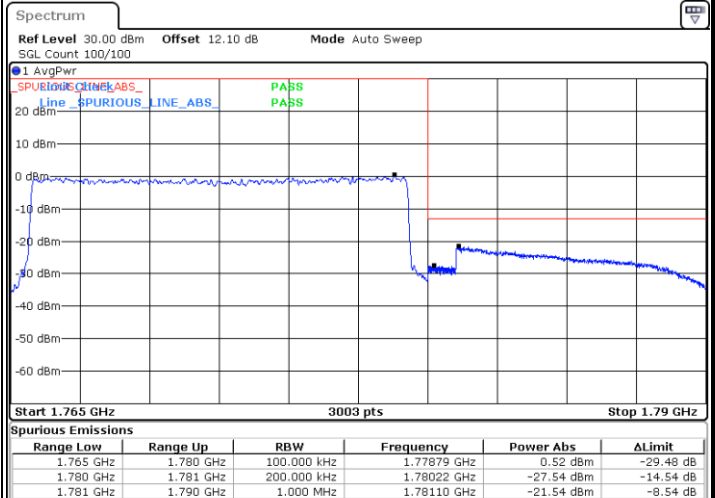
Date: 24 FEB 2021 13:46:29

Lowest Band Edge / Full RB



Date: 24 FEB 2021 13:45:11

Highest Band Edge / Full RB

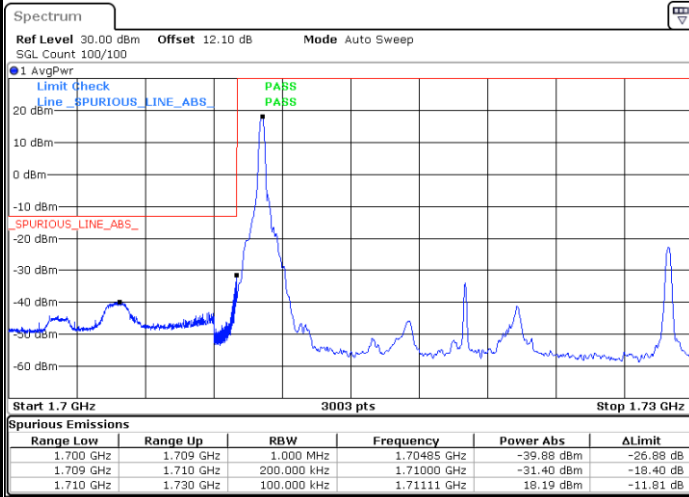


Date: 24 FEB 2021 13:47:06



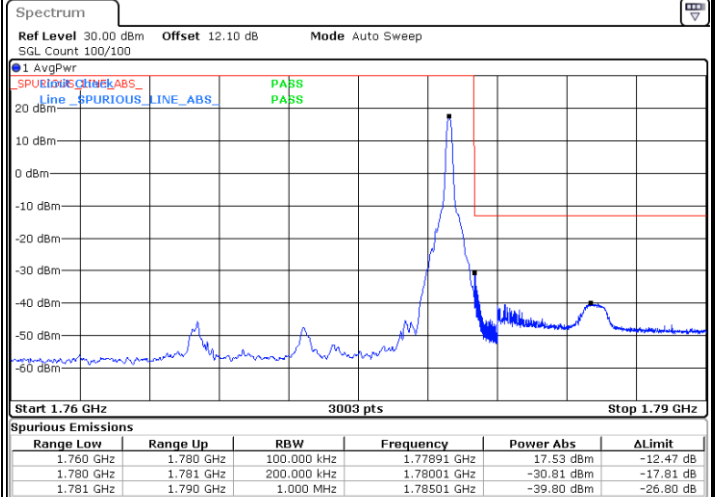
LTE Band 66 / 20MHz / QPSK

Lowest Band Edge / 1 RB



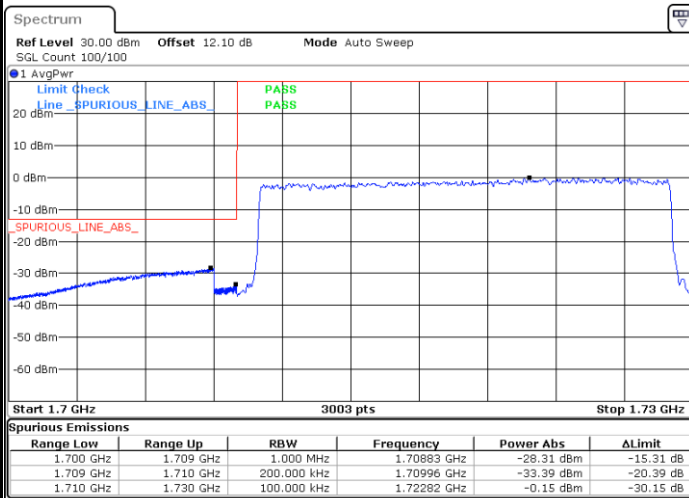
Date: 24 FEB 2021 15:47:00

Highest Band Edge / 1 RB



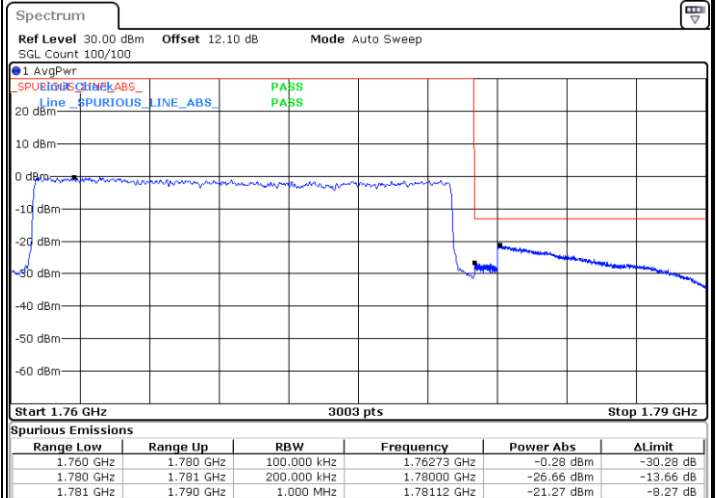
Date: 24 FEB 2021 15:53:51

Lowest Band Edge / Full RB



Date: 24 FEB 2021 15:48:15

Highest Band Edge / Full RB

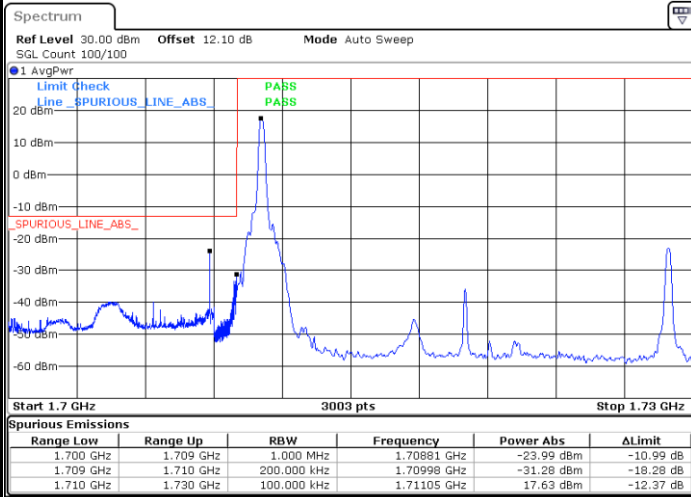


Date: 24 FEB 2021 15:55:06



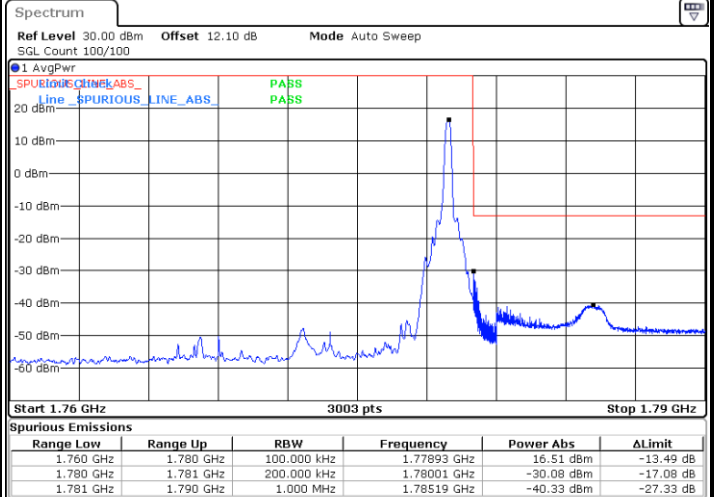
LTE Band 66 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



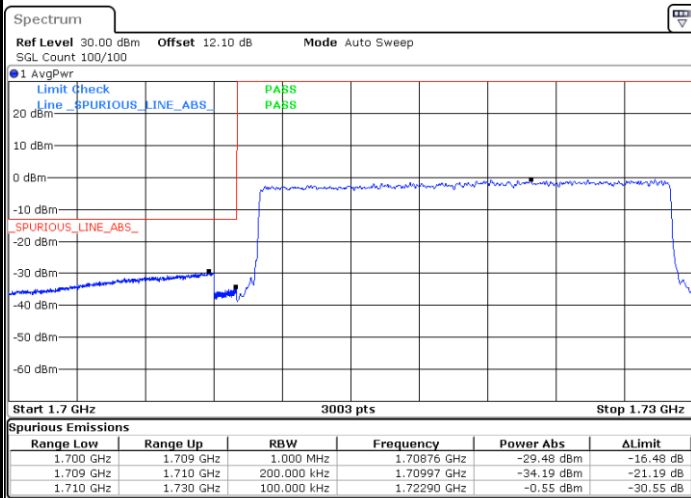
Date: 24 FEB 2021 15:47:37

Highest Band Edge / 1 RB



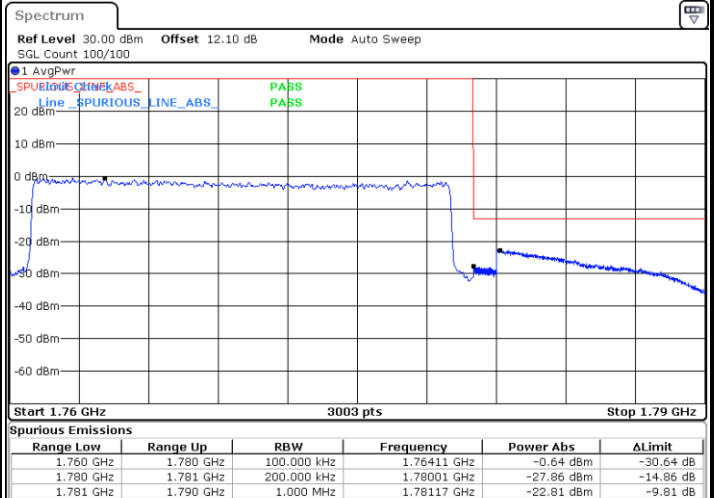
Date: 24 FEB 2021 15:54:28

Lowest Band Edge / Full RB



Date: 24 FEB 2021 15:48:52

Highest Band Edge / Full RB

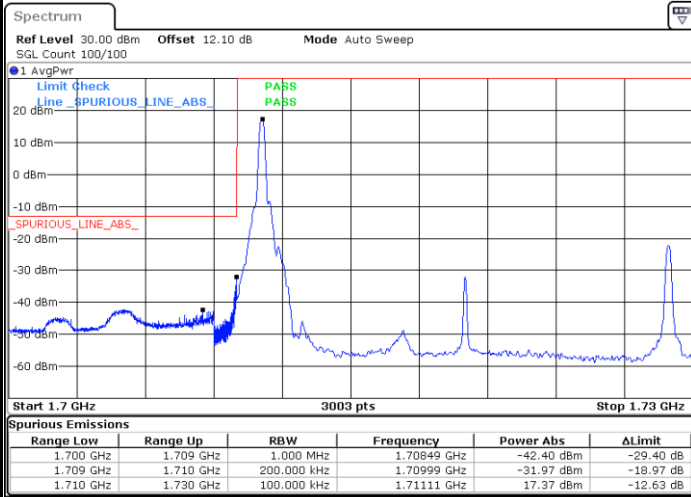


Date: 24 FEB 2021 15:55:43



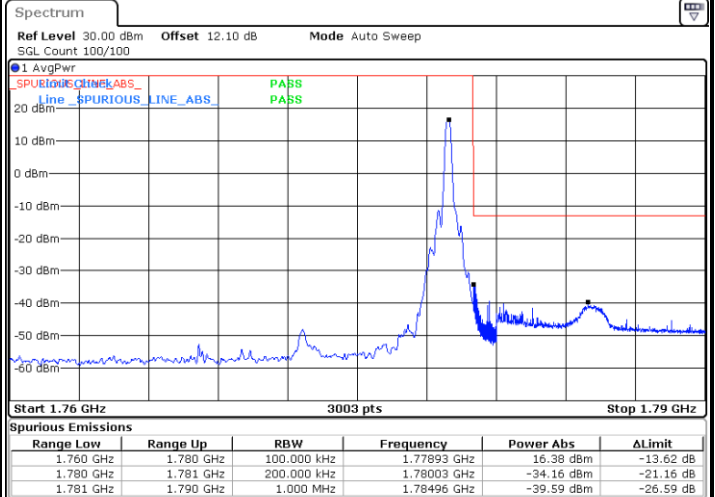
LTE Band 66 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



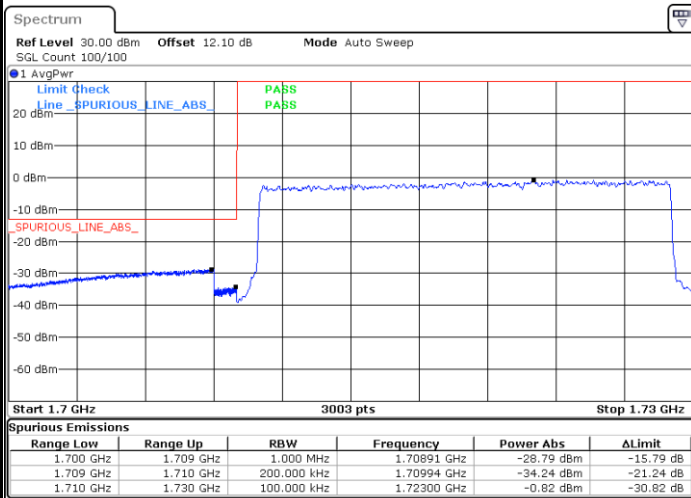
Date: 24 FEB 2021 15:57:43

Highest Band Edge / 1 RB



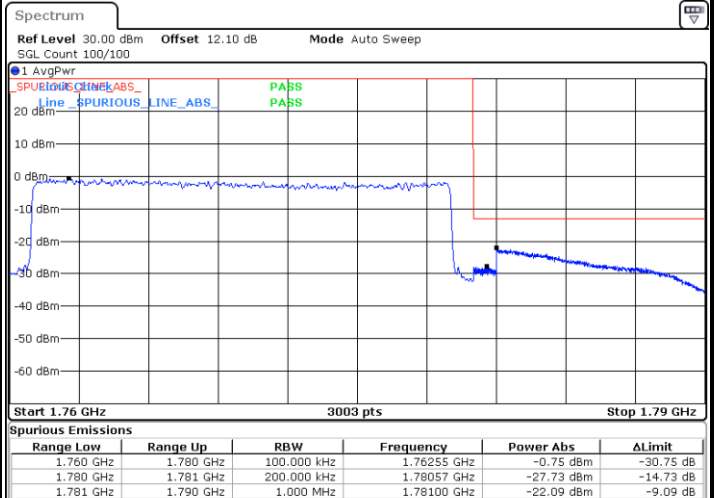
Date: 24 FEB 2021 15:59:38

Lowest Band Edge / Full RB



Date: 24 FEB 2021 15:58:21

Highest Band Edge / Full RB



Date: 24 FEB 2021 16:00:16

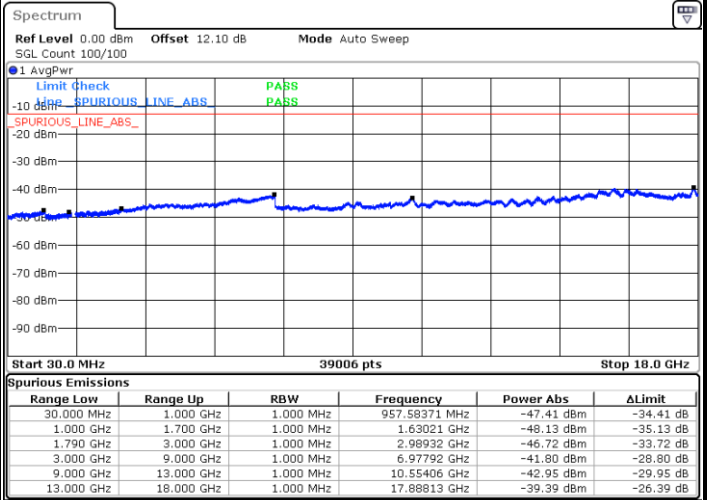
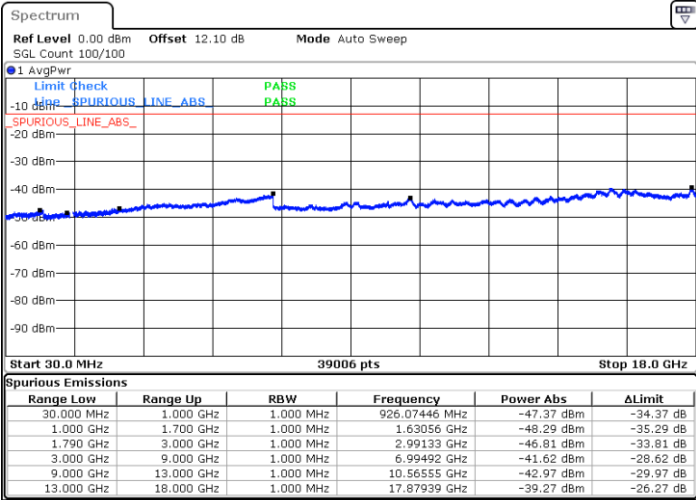


Conducted Spurious Emission

LTE Band 66 / 1.4MHz

Lowest Channel / QPSK

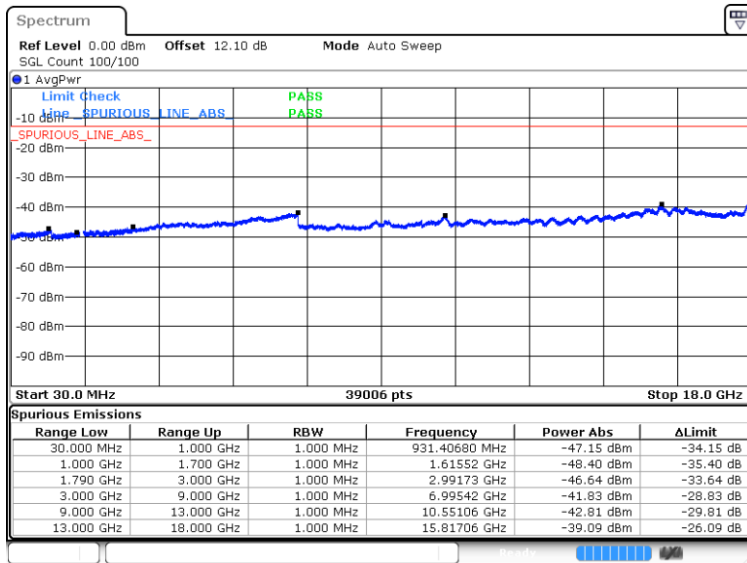
Middle Channel / QPSK



Date: 24.FEB.2021 12:49:21

Date: 24.FEB.2021 12:52:20

Highest Channel / QPSK



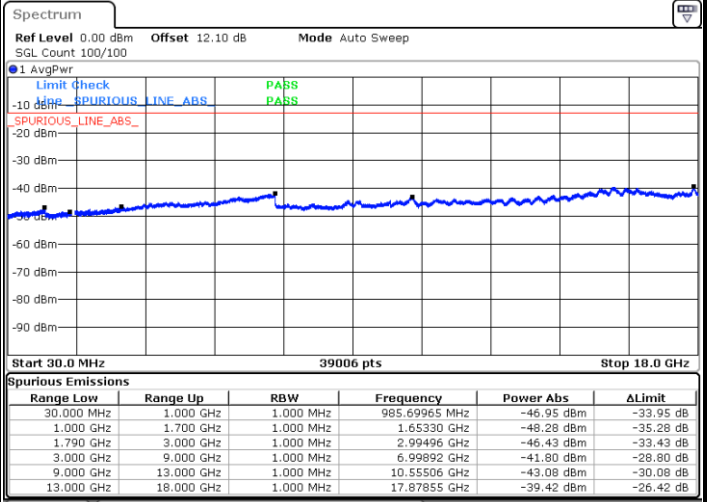
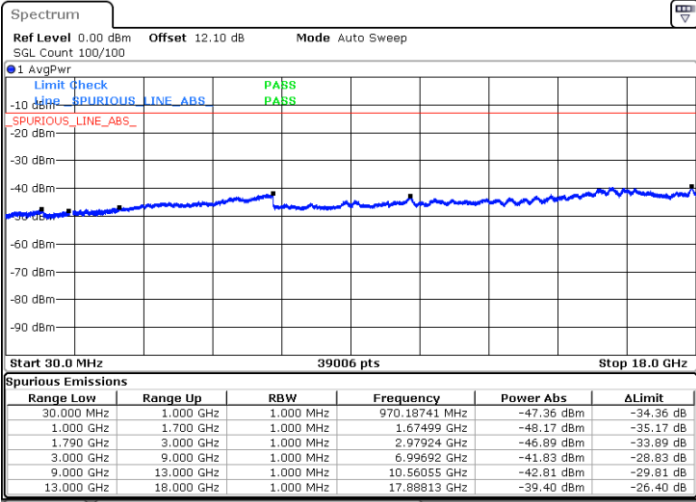
Date: 24.FEB.2021 12:56:12



LTE Band 66 / 3MHz

Lowest Channel / QPSK

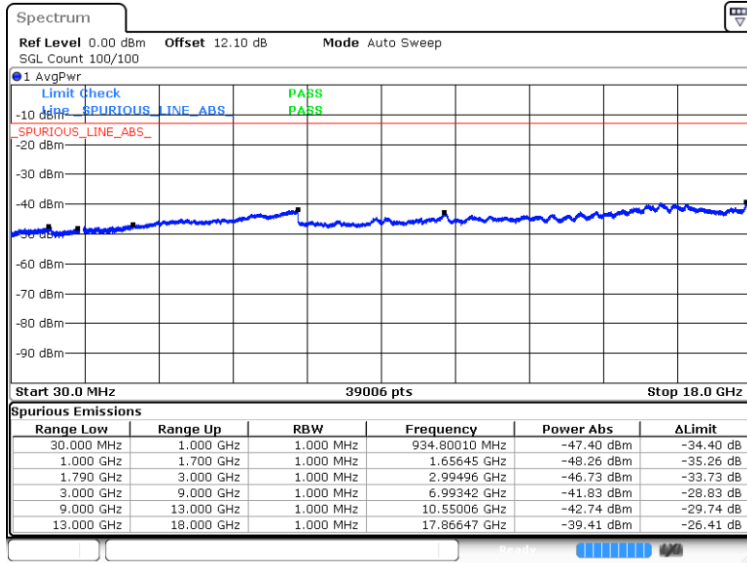
Middle Channel / QPSK



Date: 24.FEB.2021 13:03:53

Date: 24.FEB.2021 13:06:51

Highest Channel / QPSK



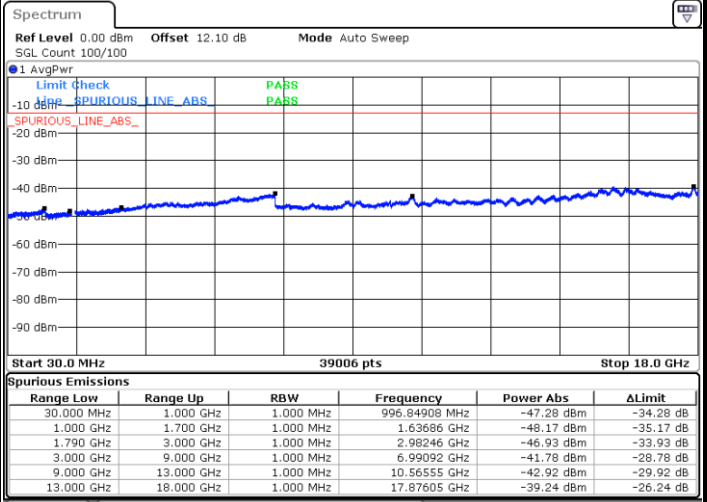
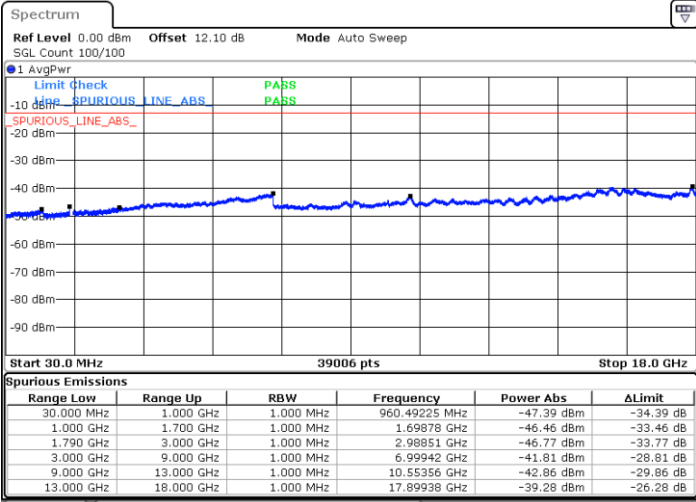
Date: 24.FEB.2021 13:10:44



LTE Band 66 / 5MHz

Lowest Channel / QPSK

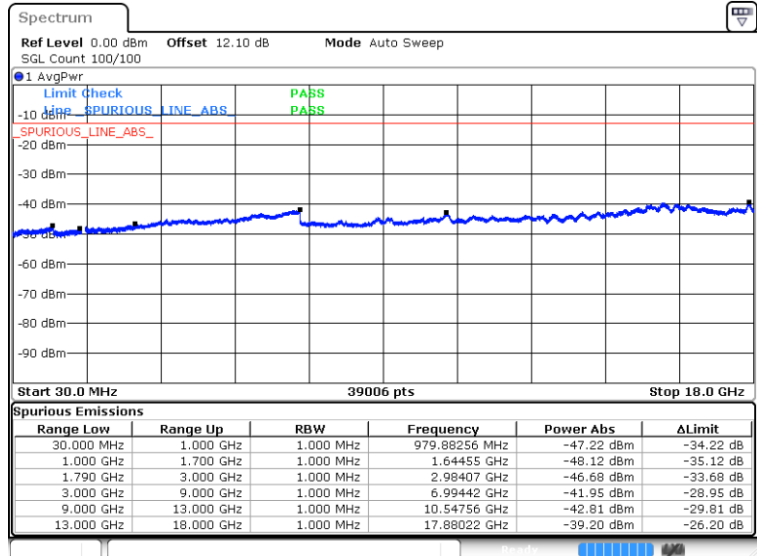
Middle Channel / QPSK



Date: 24 FEB 2021 13:21:34

Date: 24 FEB 2021 13:24:33

Highest Channel / QPSK



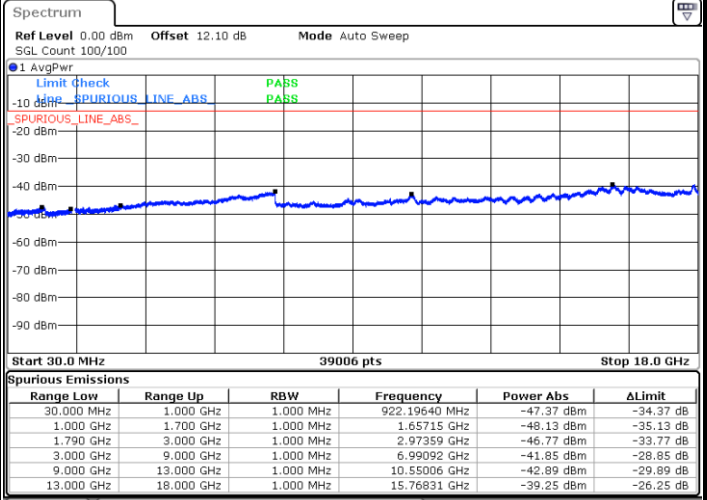
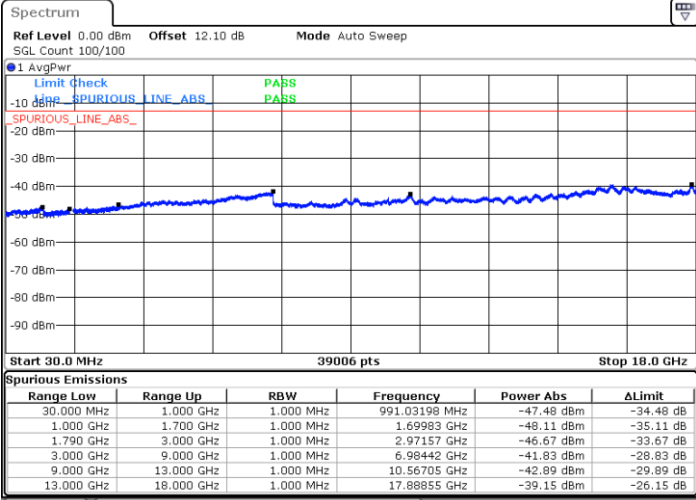
Date: 24 FEB 2021 13:28:25



LTE Band 66 / 10MHz

Lowest Channel / QPSK

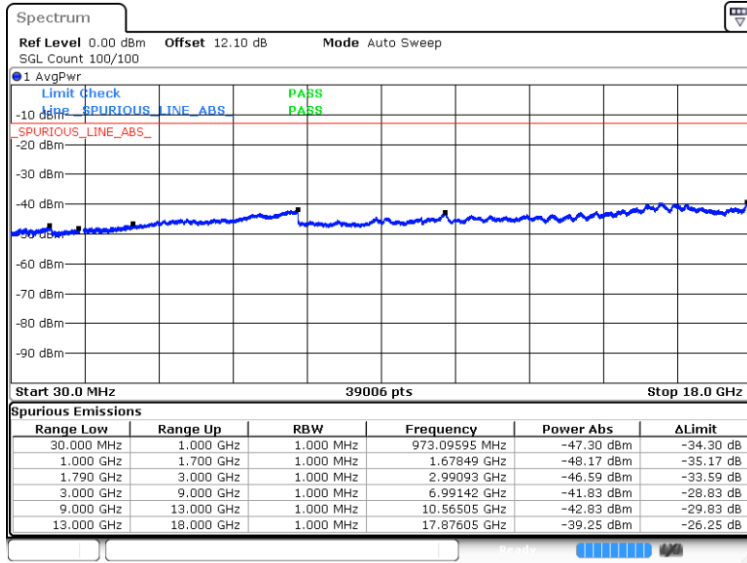
Middle Channel / QPSK



Date: 24.FEB.2021 13:33:17

Date: 24.FEB.2021 13:36:16

Highest Channel / QPSK



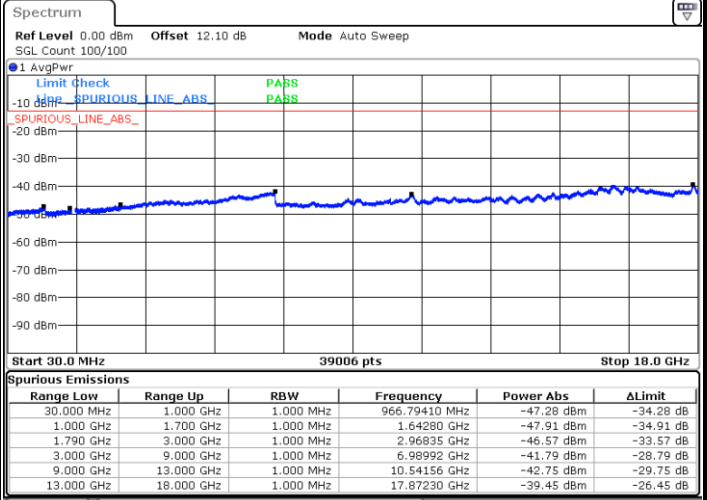
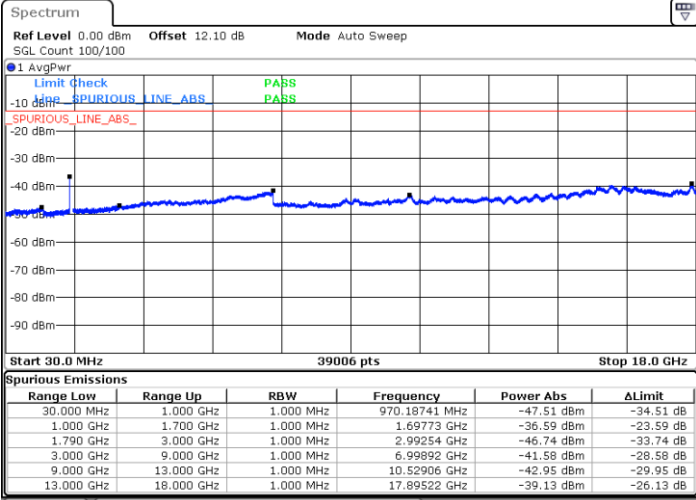
Date: 24.FEB.2021 13:40:08



LTE Band 66 / 15MHz

Lowest Channel / QPSK

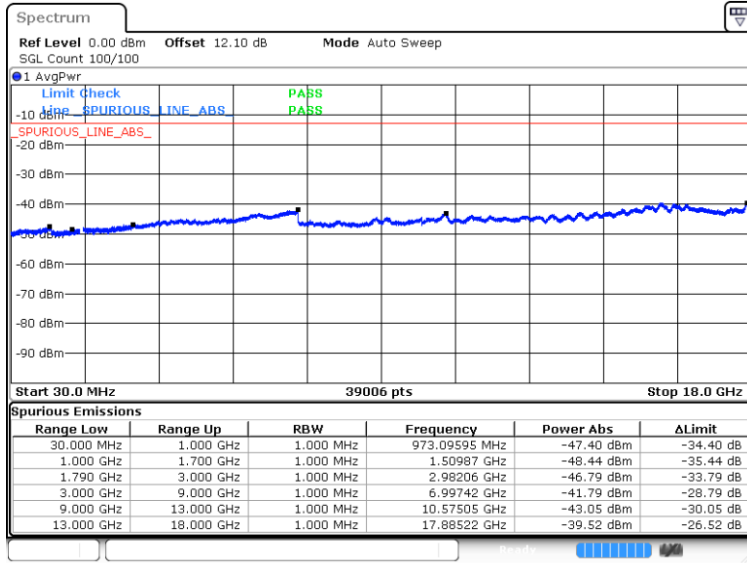
Middle Channel / QPSK



Date: 24.FEB.2021 13:50:58

Date: 24.FEB.2021 13:53:57

Highest Channel / QPSK



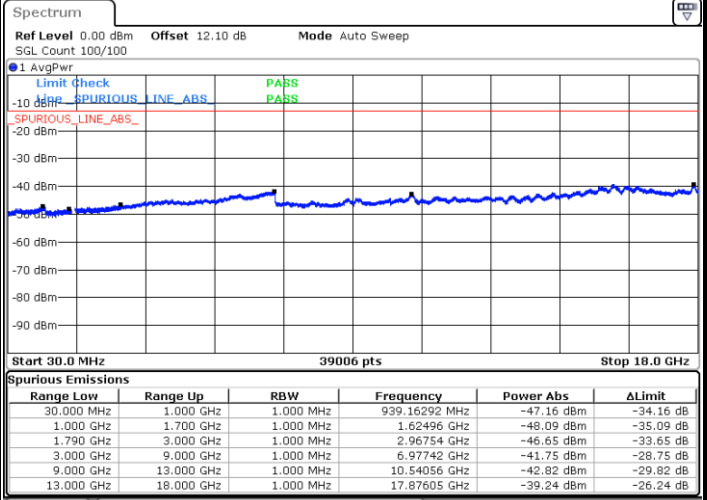
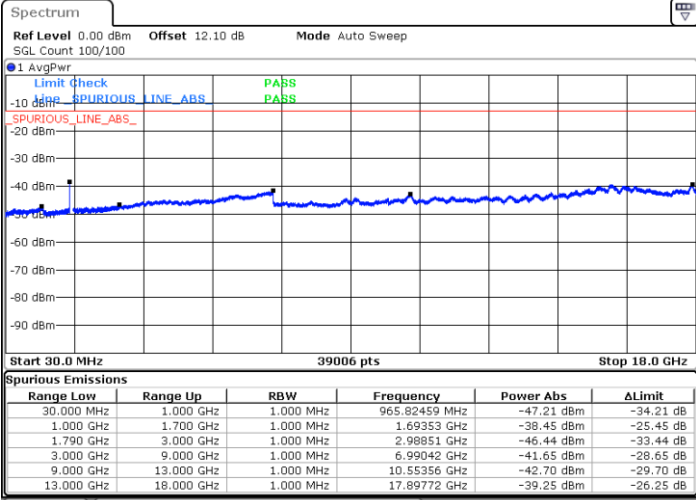
Date: 24.FEB.2021 13:57:49



LTE Band 66 / 20MHz

Lowest Channel / QPSK

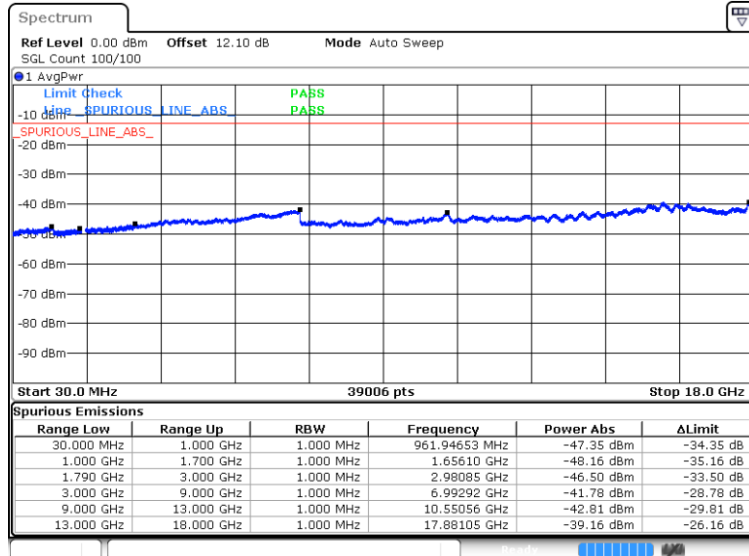
Middle Channel / QPSK



Date: 24.FEB.2021 15:50:14

Date: 24.FEB.2021 15:53:13

Highest Channel / QPSK



Date: 24.FEB.2021 15:57:05



Frequency Stability

Test Conditions		LTE Band 66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0025	PASS
40	Normal Voltage	0.0051	
30	Normal Voltage	0.0050	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0017	
-10	Normal Voltage	0.0033	
-20	Normal Voltage	0.0004	
-30	Normal Voltage	0.0008	
20	Maximum Voltage	0.0053	
20	Normal Voltage	0.0002	
20	Battery End Point	0.0019	

Note:

- 1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.67 V. ; Maximum Voltage =4.26 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

LTE Band 26

LTE Band 26 / 15MHz / QPSK									
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	1649	-60.17	-13	-47.17	-68.62	-65.77	0.92	8.67	H
	2474	-57.49	-13	-44.49	-71.01	-64.86	1.14	10.66	H
	3299	-57.38	-13	-44.38	-72.71	-65.92	1.32	12.02	H
									H
									H
									H
	1649	-62.66	-13	-49.66	-70.58	-68.26	0.92	8.67	V
	2474	-56.71	-13	-43.71	-70.38	-64.08	1.14	10.66	V
	3299	-57.33	-13	-44.33	-73.13	-65.87	1.32	12.02	V
									V
									V
									V
Middle	1659	-62.22	-13	-49.22	-70.71	-67.85	0.92	8.70	H
	2489	-57.85	-13	-44.85	-71.4	-65.24	1.15	10.68	H
	3319	-57.57	-13	-44.57	-72.84	-66.16	1.33	12.07	H
									H
									H
									H
	1659	-62.95	-13	-49.95	-70.86	-68.58	0.92	8.70	V
	2489	-57.51	-13	-44.51	-71.25	-64.90	1.15	10.68	V
	3319	-57.42	-13	-44.42	-73.15	-66.01	1.33	12.07	V
									V
									V
									V



Highest	1669	-62.55	-13	-49.55	-71.07	-68.21	0.93	8.74	H
	2504	-58.13	-13	-45.13	-71.7	-65.53	1.15	10.70	H
	3339	-57.58	-13	-44.58	-72.79	-66.21	1.33	12.11	H
									H
									H
									H
	1669	-62.90	-13	-49.90	-70.81	-68.56	0.93	8.74	V
	2504	-58.01	-13	-45.01	-71.79	-65.41	1.15	10.70	V
	3339	-57.12	-13	-44.12	-72.79	-65.75	1.33	12.11	V
									V
									V
									V

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



LTE Band 25

LTE Band 25 / 20MHz / QPSK									
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	3702	-54.99	-13	-41.99	-72.92	-66.20	1.41	12.62	H
	5553	-50.52	-13	-37.52	-73.68	-62.08	1.74	13.30	H
	7404	-46.71	-13	-33.71	-73.52	-56.03	1.94	11.25	H
									H
									H
									H
									H
	3702	-54.15	-13	-41.15	-72.23	-65.36	1.41	12.62	V
	5553	-50.96	-13	-37.96	-73.65	-62.52	1.74	13.30	V
	7404	-47.01	-13	-34.01	-73.67	-56.33	1.94	11.25	V
									V
									V
									V
									V
Middle	3742	-54.37	-13	-41.37	-72.48	-65.59	1.42	12.65	H
	5613	-50.58	-13	-37.58	-73.66	-62.14	1.74	13.30	H
	7484	-47.40	-13	-34.40	-73.84	-56.54	1.98	11.13	H
									H
									H
									H
									H
	3742	-54.30	-13	-41.30	-72.61	-65.52	1.42	12.65	V
	5613	-51.15	-13	-38.15	-73.89	-62.71	1.74	13.30	V
	7484	-47.52	-13	-34.52	-73.91	-56.66	1.98	11.13	V
									V
									V
									V
									V



Highest	3792	-54.34	-13	-41.34	-72.67	-65.58	1.44	12.68	H
	5688	-50.93	-13	-37.93	-74.4	-62.50	1.73	13.30	H
	7584	-47.97	-13	-34.97	-73.89	-57.09	2.00	11.12	H
									H
									H
									H
									H
	3792	-54.06	-13	-41.06	-72.65	-65.30	1.44	12.68	V
	5688	-51.18	-13	-38.18	-74.12	-62.75	1.73	13.30	V
	7584	-47.87	-13	-34.87	-73.75	-56.99	2.00	11.12	V
									V
									V
									V
									V

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



LTE Band 12

LTE Band 12 / 10MHz / QPSK									
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	1400	-53.25	-13.00	-40.25	-62.82	-57.90	0.84	7.64	H
	2096	-50.17	-13.00	-37.17	-62.77	-57.09	1.06	10.13	H
	2800	-58.06	-13.00	-45.06	-72.48	-65.75	1.22	11.06	H
									H
									H
									H
									H
	1400	-52.28	-13.00	-39.28	-60.62	-56.93	0.84	7.64	V
	2096	-51.39	-13.00	-38.39	-62.89	-58.31	1.06	10.13	V
	2800	-58.01	-13.00	-45.01	-72.37	-65.70	1.22	11.06	V
									V
									V
									V
									V
Middle	1408	-54.68	-13.00	-41.68	-64.22	-59.36	0.85	7.68	H
	2112	-51.88	-13.00	-38.88	-64.77	-58.82	1.06	10.16	H
	2816	-57.73	-13.00	-44.73	-72.21	-65.43	1.23	11.08	H
									H
									H
									H
									H
	1408	-53.13	-13.00	-40.13	-61.45	-57.81	0.85	7.68	V
	2112	-51.26	-13.00	-38.26	-63.03	-58.20	1.06	10.16	V
	2816	-57.88	-13.00	-44.88	-72.32	-65.58	1.23	11.08	V
									V
									V
									V
									V



Highest	1416	-54.89	-13.00	-41.89	-64.40	-59.61	0.85	7.71	H
	2120	-51.23	-13.00	-38.23	-64.26	-58.18	1.07	10.17	H
	2824	-57.91	-13.00	-44.91	-72.42	-65.62	1.23	11.09	H
									H
									H
									H
									H
	1416	-53.49	-13.00	-40.49	-61.79	-58.21	0.85	7.71	V
	2120	-51.98	-13.00	-38.98	-63.88	-58.93	1.07	10.17	V
	2824	-57.74	-13.00	-44.74	-72.22	-65.45	1.23	11.09	V
									V
									V
									V
									V

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



LTE Band 13

LTE Band 13 / 5MHz / QPSK									
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	1552	-61.99	-13	-48.99	-70.70	-67.25	0.89	8.30	H
	2336	-53.32	-13	-40.32	-67.07	-60.53	1.11	10.47	H
	3112	-57.46	-13	-44.46	-72.89	-65.59	1.29	11.57	H
									H
									H
									H
									H
	1552	-62.91	-13.00	-49.91	-70.91	-68.17	0.89	8.30	V
	2336	-55.44	-13	-42.44	-68.76	-62.65	1.11	10.47	V
	3112	-57.21	-13	-44.21	-72.98	-65.34	1.29	11.57	V
									V
									V
									V
									V
Middle	1560	-62.62	-42.15	-20.47	-71.26	-67.91	0.89	8.33	H
	2336	-51.38	-13	-38.38	-65.13	-58.59	1.11	10.47	H
	3120	-57.19	-13	-44.19	-72.64	-65.34	1.29	11.59	H
									H
									H
									H
									H
	1560	-63.41	-42.15	-21.26	-71.41	-68.70	0.89	8.33	V
	2336	-55.52	-13	-42.52	-68.84	-62.73	1.11	10.47	V
	3120	-57.22	-13	-44.22	-73.03	-65.37	1.29	11.59	V
									V
									V
									V
									V
								V	



Highest	1568	-62.40	-42.15	-20.25	-70.98	-67.72	0.89	8.36	H
	2344	-51.20	-13	-38.20	-64.89	-58.42	1.12	10.48	H
	3128	-57.21	-13	-44.21	-72.67	-65.37	1.29	11.61	H
									H
									H
									H
									H
	1568	-63.17	-42.15	-21.02	-71.16	-68.49	0.89	8.36	V
	2344	-54.78	-13	-41.78	-68.10	-62.00	1.12	10.48	V
	3128	-57.11	-13	-44.11	-72.95	-65.27	1.29	11.61	V
									V
									V
									V
									V

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



LTE Band 13 / 10MHz / QPSK									
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	1552	-61.65	-13	-48.65	-70.36	-66.91	0.89	8.30	H
	2336	-51.91	-13	-38.91	-65.66	-59.12	1.11	10.47	H
	3112	-57.19	-13	-44.19	-72.62	-65.32	1.29	11.57	H
									H
									H
									H
									H
	1552	-62.06	-13	-49.06	-70.06	-67.32	0.89	8.30	V
	2336	-55.16	-13	-42.16	-68.48	-62.37	1.11	10.47	V
	3112	-57.14	-13	-44.14	-72.91	-65.27	1.29	11.57	V
									V
									V
									V
									V

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



LTE Band 66

LTE Band 66 / 20MHz / QPSK									
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	3420	-57.36	-13	-44.36	-73.28	-63.43	1.58	7.65	H
	5135	-52.48	-13	-39.48	-74.43	-59.77	2.41	9.70	H
	6843	-49.09	-13	-36.09	-74.46	-57.06	2.64	10.61	H
									H
									H
									H
									H
	3420	-56.88	-13	-43.88	-73.22	-62.95	1.58	7.65	V
	5135	-52.70	-13	-39.70	-74.4	-59.99	2.41	9.70	V
	6843	-49.26	-13	-36.26	-74.23	-57.23	2.64	10.61	V
									V
									V
									V
									V
Middle	3469	-56.13	-13	-43.13	-72.53	-62.40	1.59	7.86	H
	5205	-52.50	-13	-39.50	-74.45	-59.74	2.46	9.70	H
	6941	-47.67	-13	-34.67	-73.53	-55.79	2.61	10.73	H
									H
									H
									H
									H
	3469	-55.96	-13	-42.96	-72.74	-62.23	1.59	7.86	V
	5205	-52.83	-13	-39.83	-74.61	-60.07	2.46	9.70	V
	6941	-48.41	-13	-35.41	-73.81	-56.53	2.61	10.73	V
									V
									V
									V
									V



Highest	3525	-56.21	-13	-43.21	-73.1	-62.63	1.61	8.03	H
	5282	-51.93	-13	-38.93	-74.15	-59.13	2.50	9.70	H
	7046	-47.10	-13	-34.10	-73.41	-55.42	2.58	10.89	H
									H
									H
									H
									H
	3525	-55.41	-13	-42.41	-72.58	-61.83	1.61	8.03	V
	5282	-52.69	-13	-39.69	-74.65	-59.89	2.50	9.70	V
	7046	-47.77	-13	-34.77	-73.63	-56.09	2.58	10.89	V
									V
									V
									V
									V

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



LTE Band 7

LTE Band 7 / 20MHz / QPSK									
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	5004	-51.87	-25	-26.87	-73.89	-62.86	1.61	12.61	H
	7503	-45.03	-25	-20.03	-71.37	-54.14	1.99	11.10	H
	10008	-44.02	-25	-19.02	-73.59	-52.91	2.40	11.29	H
									H
									H
									H
									H
	5004	-52.28	-25	-27.28	-73.86	-63.27	1.61	12.61	V
	7503	-43.23	-25	-18.23	-69.54	-52.34	1.99	11.10	V
	10008	-43.44	-25	-18.44	-73.79	-52.33	2.40	11.29	V
									V
									V
									V
									V
Middle	5052	-51.60	-25	-26.60	-73.6	-62.65	1.62	12.67	H
	7578	-46.23	-25	-21.23	-72.19	-55.34	2.00	11.12	H
	10104	-44.23	-25	-19.23	-74.05	-53.05	2.40	11.22	H
									H
									H
									H
									H
	5052	-51.99	-25	-26.99	-73.62	-63.04	1.62	12.67	V
	7578	-43.30	-25	-18.30	-69.22	-52.41	2.00	11.12	V
	10107	-43.53	-25	-18.53	-73.92	-52.35	2.40	11.21	V
									V
									V
									V
									V
								V	



Highest	5100	-52.14	-25	-27.14	-74.12	-63.24	1.64	12.74	H
	7656	-44.85	-25	-19.85	-70.72	-53.97	2.01	11.13	H
	10206	-44.12	-25	-19.12	-74.19	-52.86	2.40	11.14	H
									H
									H
									H
									H
	5100	-52.05	-25	-27.05	-73.73	-63.15	1.64	12.74	V
	7656	-42.06	-25	-17.06	-67.81	-51.18	2.01	11.13	V
	10206	-43.81	-25	-18.81	-74.23	-52.55	2.40	11.14	V
									V
									V
									V
									V

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



LTE Band 41

LTE Band 41 / 20MHz / QPSK									
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	4992	-51.92	-25	-26.92	-73.92	-62.91	1.61	12.60	H
	7488	-47.38	-25	-22.38	-73.79	-56.52	1.98	11.12	H
	9990	-44.61	-25	-19.61	-74.19	-53.52	2.40	11.30	H
									H
									H
									H
									H
	4992	-52.33	-25	-27.33	-73.87	-63.32	1.61	12.60	V
	7488	-47.64	-25	-22.64	-74.01	-56.78	1.98	11.12	V
	9990	-43.60	-25	-18.60	-73.95	-52.51	2.40	11.30	V
									V
									V
									V
									V
Middle	5166	-52.76	-25	-27.76	-74.71	-63.94	1.65	12.83	H
	7752	-46.59	-25	-21.59	-72.5	-55.72	2.03	11.15	H
	10332	-43.86	-25	-18.86	-74.25	-52.50	2.39	11.03	H
									H
									H
									H
									H
	5166	-52.99	-25	-27.99	-74.73	-64.17	1.65	12.83	V
	7752	-46.19	-25	-21.19	-71.86	-55.32	2.03	11.15	V
	10332	-43.86	-25	-18.86	-74.33	-52.50	2.39	11.03	V
									V
									V
									V
									V



Highest	5340	-52.53	-25	-27.53	-74.95	-63.91	1.70	13.08	H
	8016	-46.18	-25	-21.18	-73.34	-55.35	2.06	11.23	H
	10683	-43.50	-25	-18.50	-74.36	-51.91	2.49	10.90	H
									H
									H
									H
									H
	5340	-52.81	-25	-27.81	-74.89	-64.19	1.70	13.08	V
	8016	-46.73	-25	-21.73	-73.78	-55.90	2.06	11.23	V
	10683	-43.22	-25	-18.22	-73.84	-51.63	2.49	10.90	V
									V
									V
									V
									V

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

————THE END————