

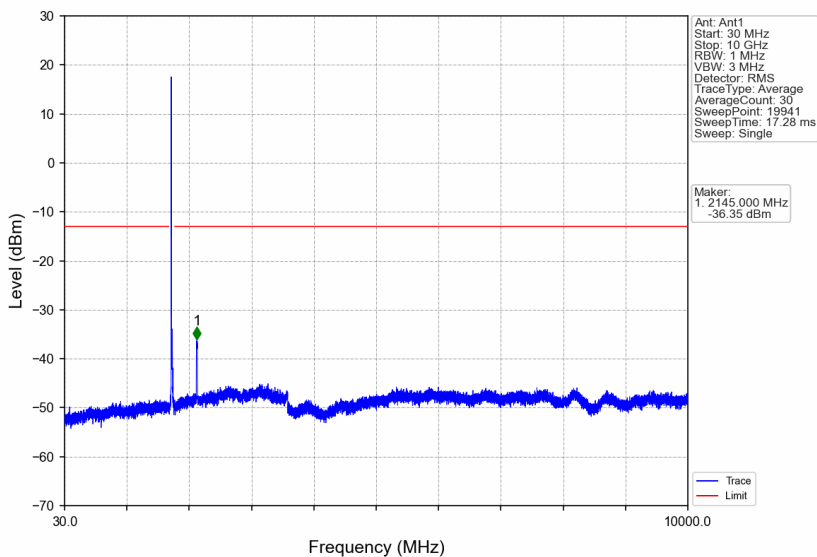


Report No.: SEWM2311000456RG01

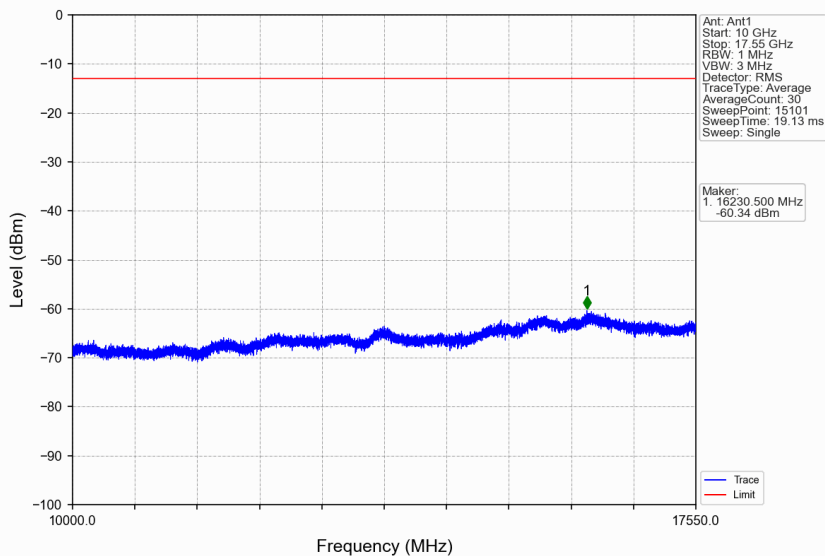
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Band4_20MHz_256QAM_HCH_1745MHz_RB_1_0_NTNV



Band4_20MHz_256QAM_HCH_1745MHz_RB_1_0_NTNV



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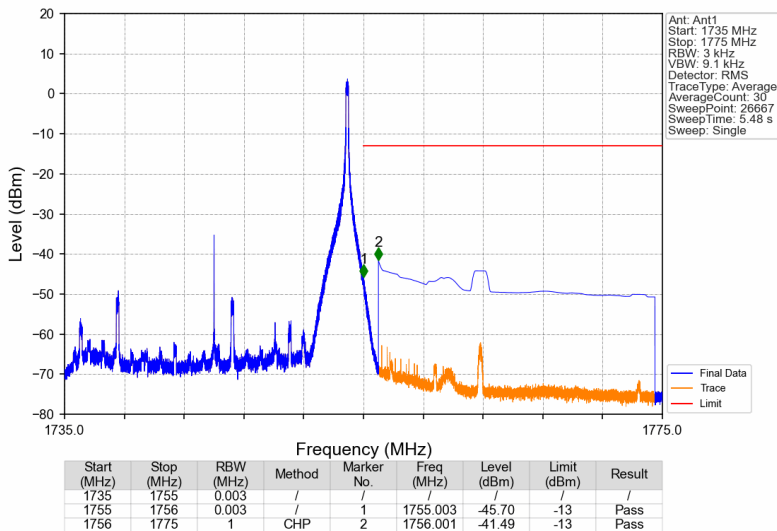
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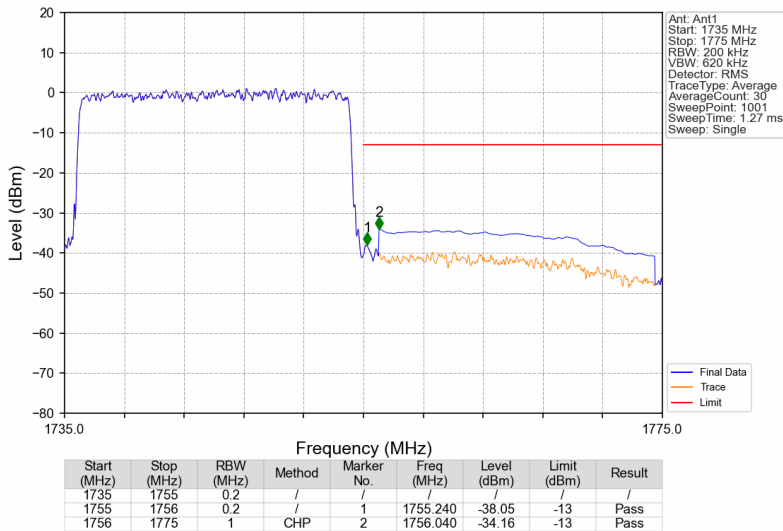
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Band4_20MHz_256QAM_HCH_1745MHz_RB_1_99_NTNV



Band4_20MHz_256QAM_HCH_1745MHz_RB_100_0_NTNV



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6. Field Strength of Spurious Radiation

Test Band = LTE Band 4_ TM1
Test Channel = Low Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5133	52.18	-47.84	31.82	-59.10	-13.00	46.10	Horizontal
2	3422.18	52.15	-48.38	28.67	-62.82	-13.00	49.82	Horizontal
3	6844.36	51.08	-46.82	35.26	-55.74	-13.00	42.74	Horizontal
4	8555.45	44.12	-44.11	36.98	-58.27	-13.00	45.27	Horizontal
5	10266.54	39.96	-41.48	38.74	-58.04	-13.00	45.04	Horizontal
6	11977.63	41.68	-39.54	39.20	-53.92	-13.00	40.92	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3422.18	48.74	-48.38	28.67	-66.23	-13.00	53.23	Vertical
2	5133.27	50.50	-47.84	31.82	-60.78	-13.00	47.78	Vertical
3	6844.36	53.18	-46.82	35.26	-53.64	-13.00	40.64	Vertical
4	8555.45	44.50	-44.11	36.98	-57.89	-13.00	44.89	Vertical
5	10266.54	40.51	-41.48	38.74	-57.49	-13.00	44.49	Vertical
6	11977.63	42.23	-39.54	39.20	-53.37	-13.00	40.37	Vertical



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Test Band = LTE Band 4_ TM1

Test Channel = Mid Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3447	50.72	-48.35	28.68	-64.21	-13.00	51.21	Horizontal
2	5170.5	52.62	-47.87	31.91	-58.60	-13.00	45.60	Horizontal
3	6894.36	47.98	-46.74	35.37	-58.65	-13.00	45.65	Horizontal
4	8617.95	43.71	-44.00	37.07	-58.48	-13.00	45.48	Horizontal
5	10341.54	39.28	-41.19	38.81	-58.36	-13.00	45.36	Horizontal
6	12065.13	40.69	-39.56	39.16	-54.97	-13.00	41.97	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3447	48.36	-48.35	28.68	-66.57	-13.00	53.57	Vertical
2	5170.77	50.13	-47.87	31.91	-61.09	-13.00	48.09	Vertical
3	6894.36	50.14	-46.74	35.37	-56.49	-13.00	43.49	Vertical
4	8617.95	44.67	-44.00	37.07	-57.52	-13.00	44.52	Vertical
5	10341.54	39.18	-41.19	38.81	-58.46	-13.00	45.46	Vertical
6	12065.13	43.48	-39.56	39.16	-52.18	-13.00	39.18	Vertical



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Test Band = LTE Band 4_ TM1

Test Channel = High Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5208	52.41	-47.88	32.00	-58.73	-13.00	45.73	Horizontal
2	6944.25	48.48	-46.67	35.48	-57.98	-13.00	44.98	Horizontal
3	3472.18	52.60	-48.32	28.69	-62.29	-13.00	49.29	Horizontal
4	8680.45	43.98	-44.09	37.15	-58.22	-13.00	45.22	Horizontal
5	10416.54	40.14	-41.14	38.88	-57.39	-13.00	44.39	Horizontal
6	12152.63	41.24	-39.73	39.11	-54.64	-13.00	41.64	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5208	52.71	-47.88	32.00	-58.43	-13.00	45.43	Vertical
2	6944.25	51.12	-46.67	35.48	-55.34	-13.00	42.34	Vertical
3	3472.18	48.18	-48.32	28.69	-66.71	-13.00	53.71	Vertical
4	8680.45	44.78	-44.09	37.15	-57.42	-13.00	44.42	Vertical
5	10416.54	39.68	-41.14	38.88	-57.85	-13.00	44.85	Vertical
6	12152.63	42.80	-39.73	39.11	-53.08	-13.00	40.08	Vertical



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Test Band = LTE Band 4A-7A_TM1

Test Channel = Low Channel

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3422.18	45.51	-48.38	28.67	-69.46	-25.00	44.46	Horizontal
2	5002.18	44.80	-48.01	31.51	-66.96	-25.00	41.96	Horizontal
3	5133.27	45.63	-47.84	31.82	-65.65	-25.00	40.65	Horizontal
4	6844.36	45.60	-46.82	35.26	-61.22	-25.00	36.22	Horizontal
5	7503.27	44.52	-46.11	36.80	-60.06	-25.00	35.06	Horizontal
6	10004.36	40.66	-41.71	38.50	-57.80	-25.00	32.80	Horizontal

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3422.18	45.53	-48.38	28.67	-69.44	-25.00	44.44	Vertical
2	5002.18	45.73	-48.01	31.51	-66.03	-25.00	41.03	Vertical
3	5133.27	45.39	-47.84	31.82	-65.89	-25.00	40.89	Vertical
4	6844.36	45.11	-46.82	35.26	-61.71	-25.00	36.71	Vertical
5	7503.27	44.48	-46.11	36.80	-60.10	-25.00	35.10	Vertical
6	10004.36	41.47	-41.71	38.50	-56.99	-25.00	31.99	Vertical



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Test Band = LTE Band 4A-7A_ TM1
Test Channel = Mid Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3447.18	44.82	-48.35	28.68	-70.11	-25.00	45.11	Horizontal
2	5052.18	45.56	-47.91	31.63	-65.98	-25.00	40.98	Horizontal
3	5170.77	44.65	-47.87	31.91	-66.57	-25.00	41.57	Horizontal
4	6894.36	45.03	-46.74	35.37	-61.60	-25.00	36.60	Horizontal
5	7578.27	44.04	-44.91	36.71	-59.43	-25.00	34.43	Horizontal
6	10104.36	41.88	-41.88	38.59	-56.67	-25.00	31.67	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3447.18	44.88	-48.35	28.68	-70.05	-25.00	45.05	Vertical
2	5052.18	45.97	-47.91	31.63	-65.57	-25.00	40.57	Vertical
3	5170.77	45.46	-47.87	31.91	-65.76	-25.00	40.76	Vertical
4	6894.36	45.13	-46.74	35.37	-61.50	-25.00	36.50	Vertical
5	7578.27	44.79	-44.91	36.71	-58.68	-25.00	33.68	Vertical
6	10104.36	41.28	-41.88	38.59	-57.27	-25.00	32.27	Vertical



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Test Band = LTE Band 4A-7A_TM1

Test Channel = High Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3472.18	45.84	-48.32	28.69	-69.05	-25.00	44.05	Horizontal
2	5102.18	44.96	-47.82	31.75	-66.38	-25.00	41.38	Horizontal
3	5208.27	45.44	-47.88	32.00	-65.70	-25.00	40.70	Horizontal
4	6944.36	44.66	-46.67	35.48	-61.79	-25.00	36.79	Horizontal
5	7653.27	44.22	-44.91	36.62	-59.34	-25.00	34.34	Horizontal
6	10204.36	40.94	-42.10	38.68	-57.73	-25.00	32.73	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3472.18	44.99	-48.32	28.69	-69.90	-25.00	44.90	Vertical
2	5102.18	45.09	-47.82	31.75	-66.25	-25.00	41.25	Vertical
3	5208.27	45.60	-47.88	32.00	-65.54	-25.00	40.54	Vertical
4	6944.36	44.11	-46.67	35.48	-62.34	-25.00	37.34	Vertical
5	7653.27	44.33	-44.91	36.62	-59.23	-25.00	34.23	Vertical
6	10204.36	40.35	-42.10	38.68	-58.32	-25.00	33.32	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

2) All antennas of RSE are tested, and only the worst data is presented.

---End of Attachment---



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