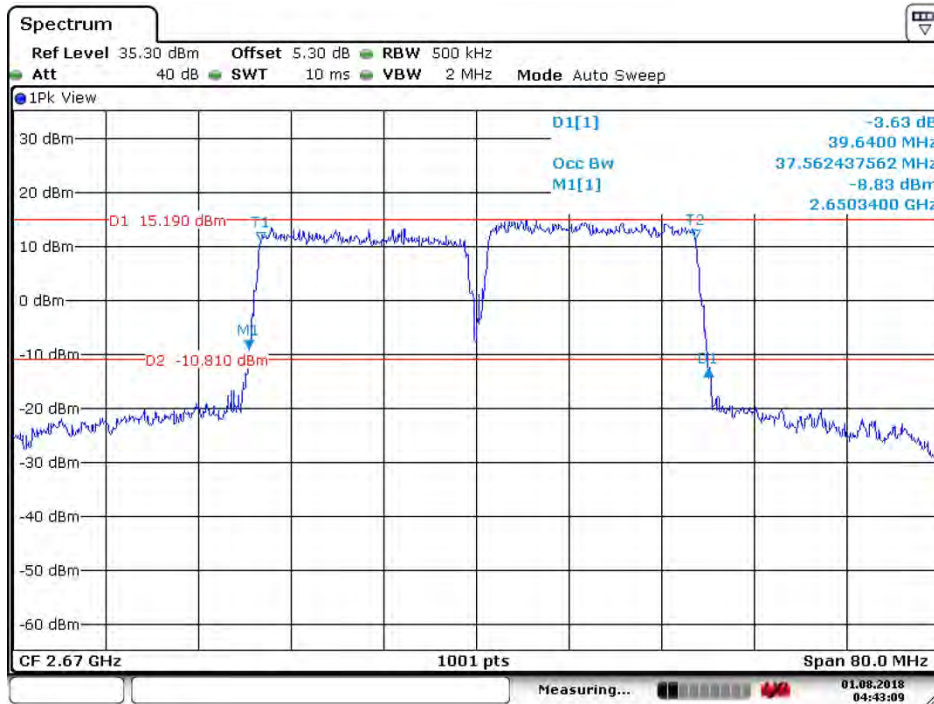




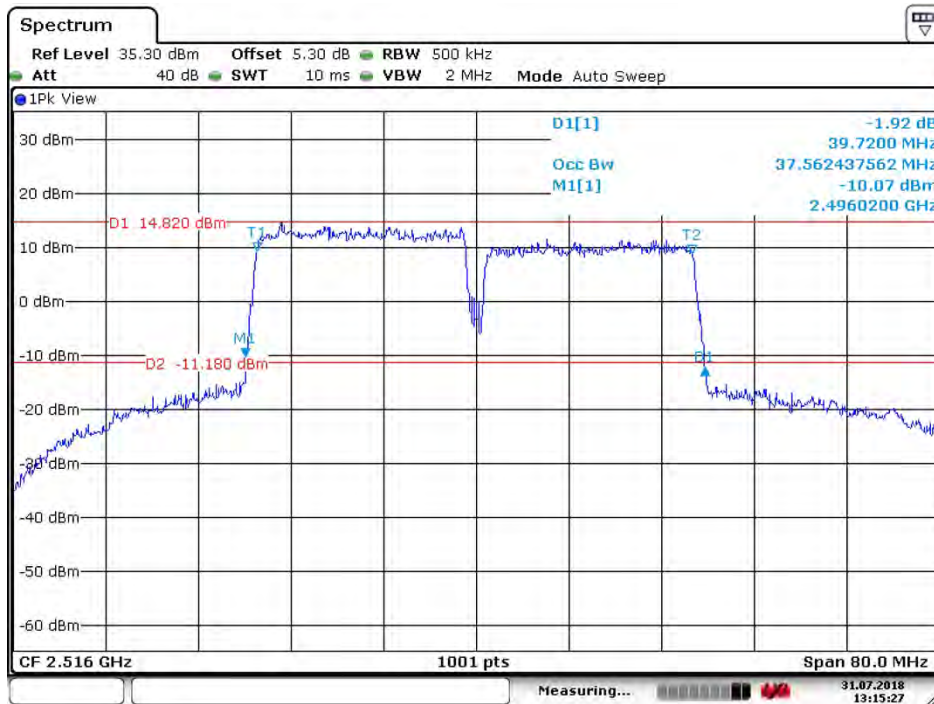
4.1.2.1.6 Test Channel = 41490-41292



Date: 1.AUG.2018 04:43:10

4.1.2.2 Test Mode = LTE/TM2

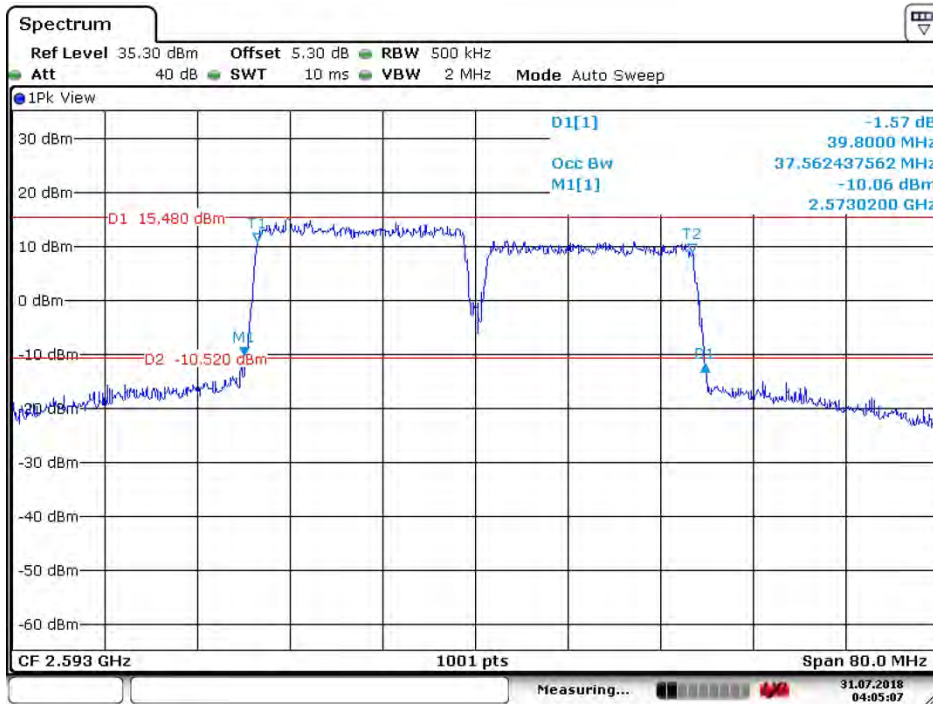
4.1.2.2.1 Test Channel = 39750-39948



Date: 31.JUL.2018 13:15:28

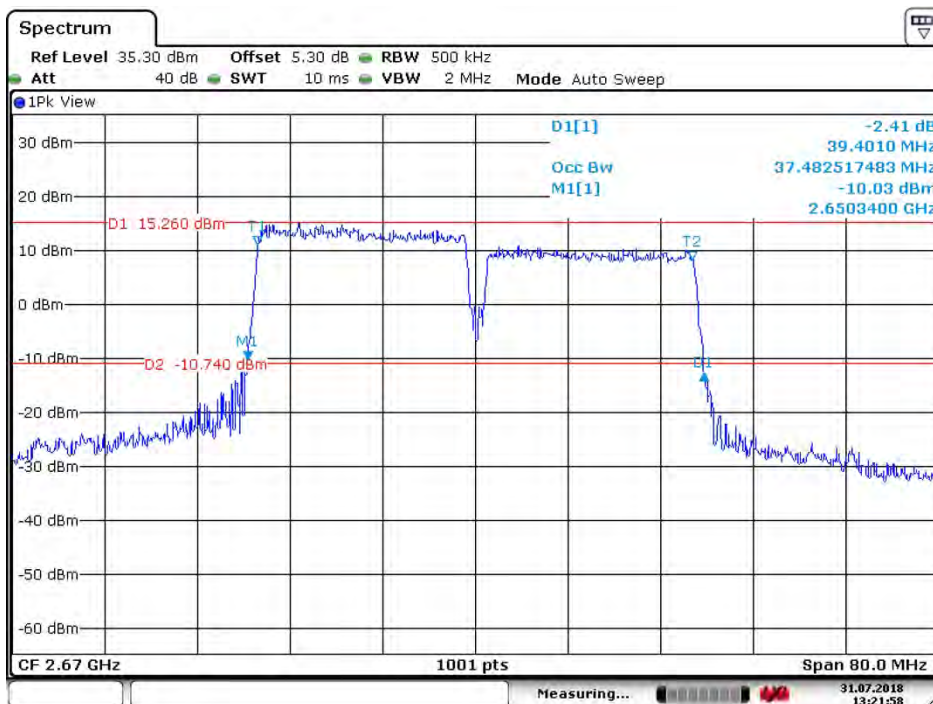
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4.1.2.2.2 Test Channel = 40521-40719



Date: 31.JUL.2018 04:05:07

4.1.2.2.3 Test Channel = 41292-41490

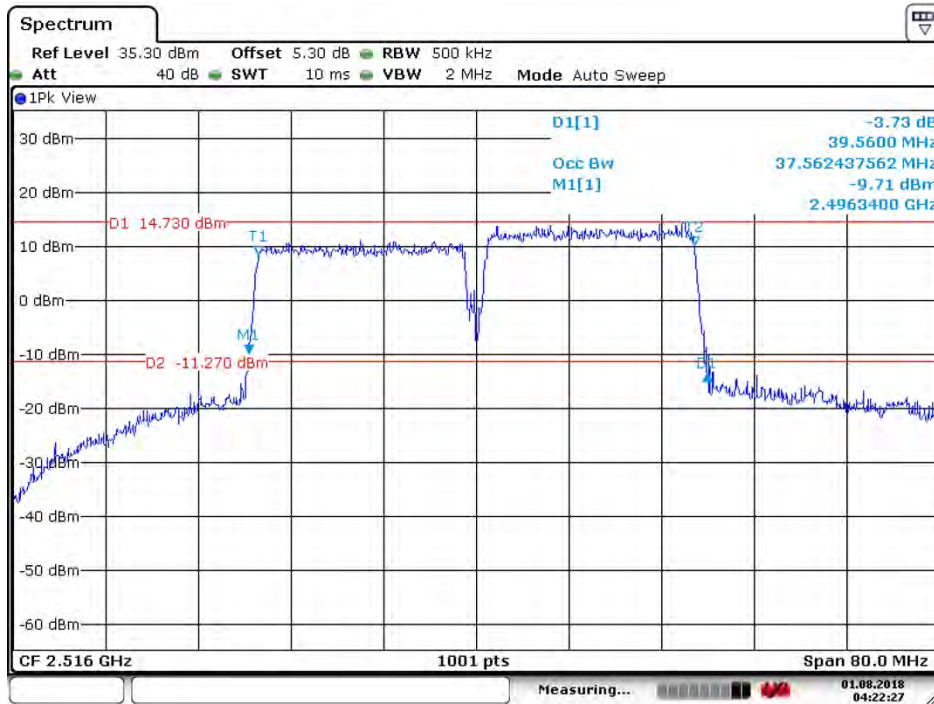


Date: 31.JUL.2018 13:21:58

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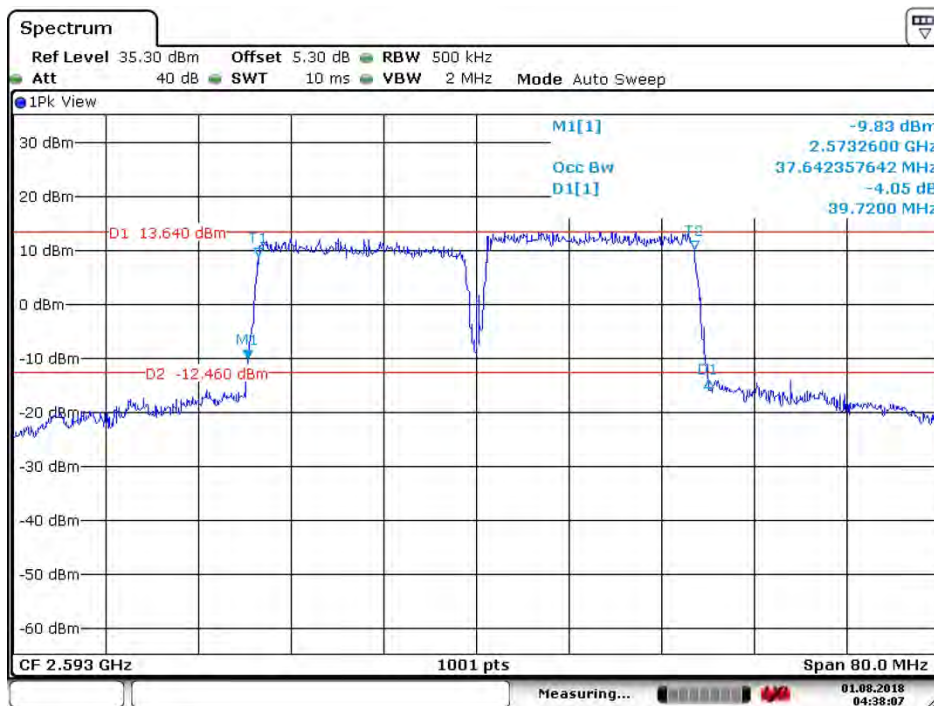


4.1.2.2.4 Test Channel = 39948-39750



Date: 1.AUG.2018 04:22:27

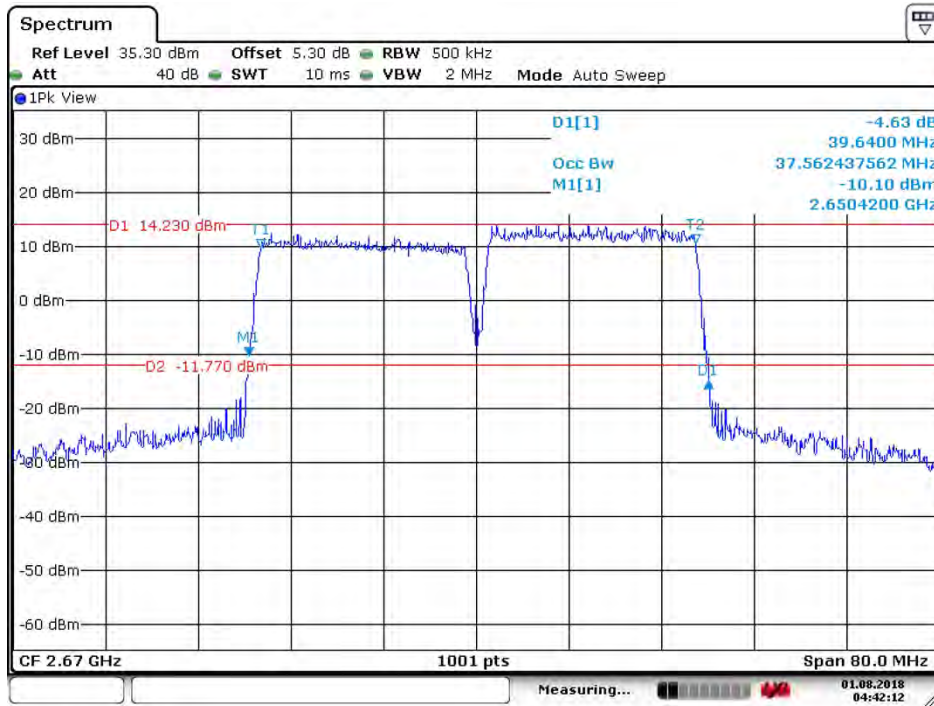
4.1.2.2.5 Test Channel = 40719-40521



Date: 1.AUG.2018 04:38:07

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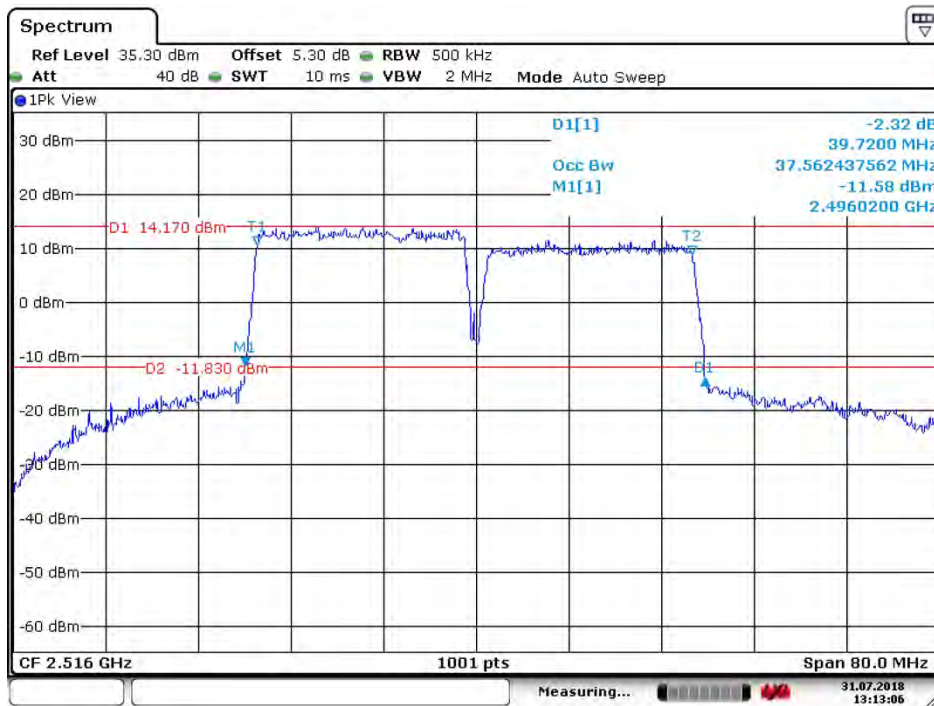
4.1.2.2.6 Test Channel = 41490-41292



Date: 1.AUG.2018 04:42:13

4.1.2.3 Test Mode = LTE/TM3

4.1.2.3.1 Test Channel = 39750-39948

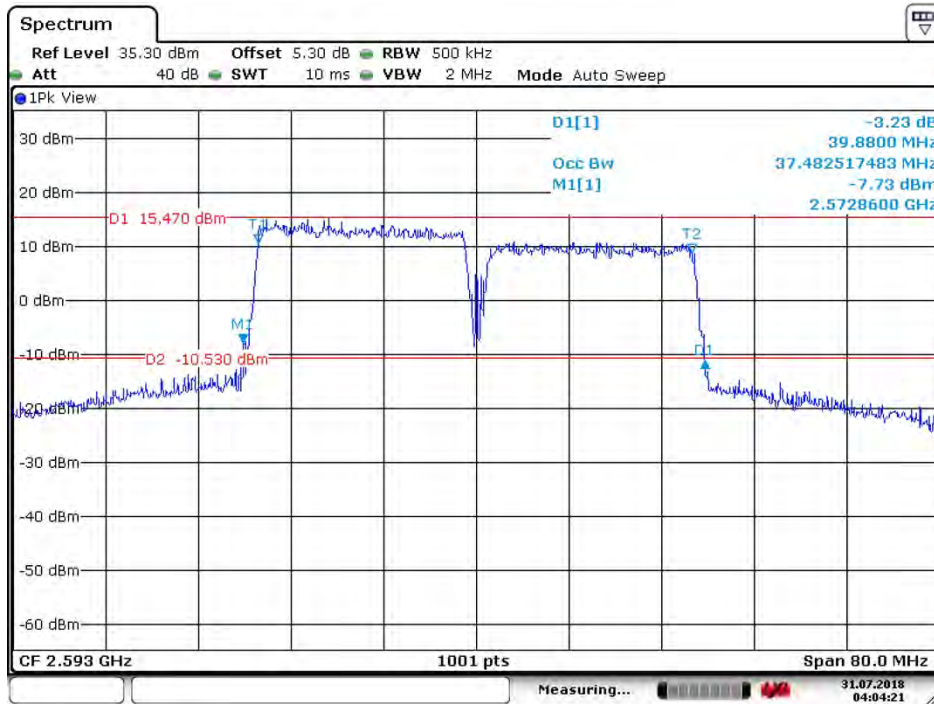


Date: 31.JUL.2018 13:13:06

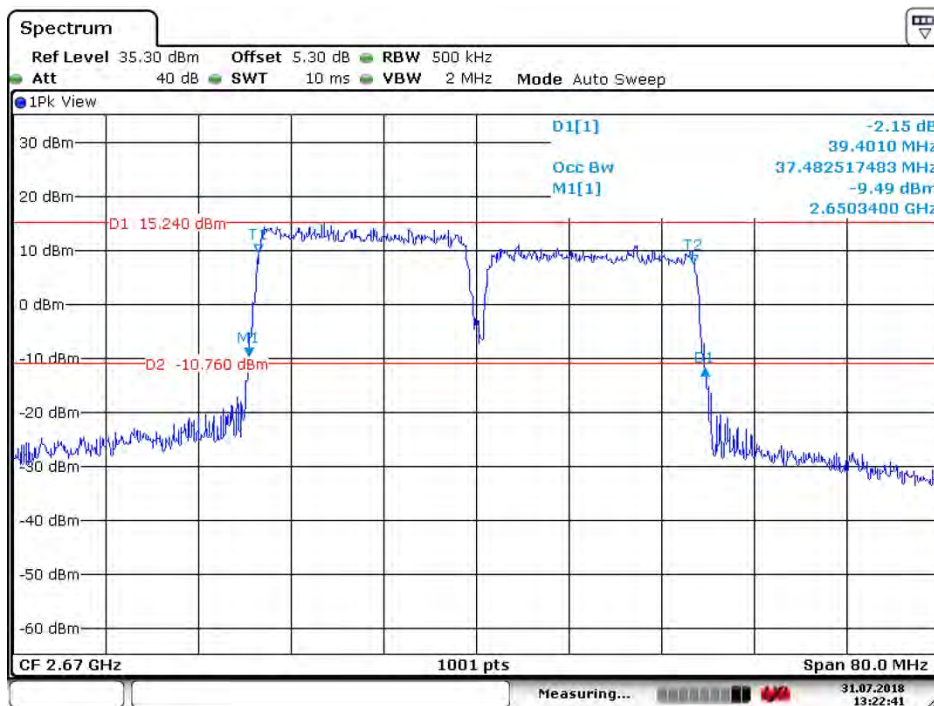
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4.1.2.3.2 Test Channel = 40521-40719

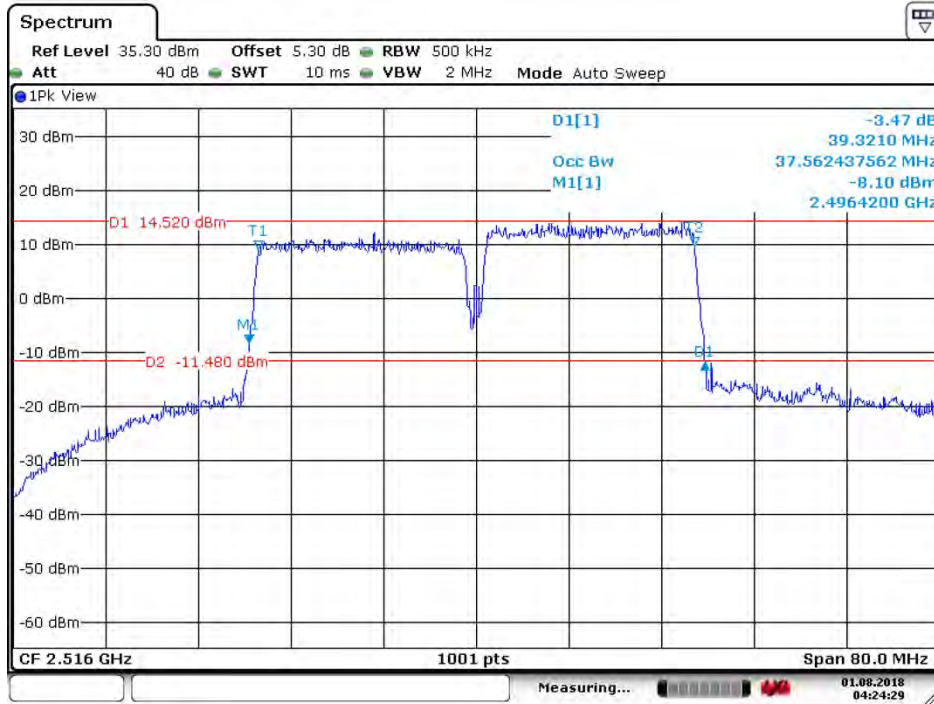


4.1.2.3.3 Test Channel = 41292-41490



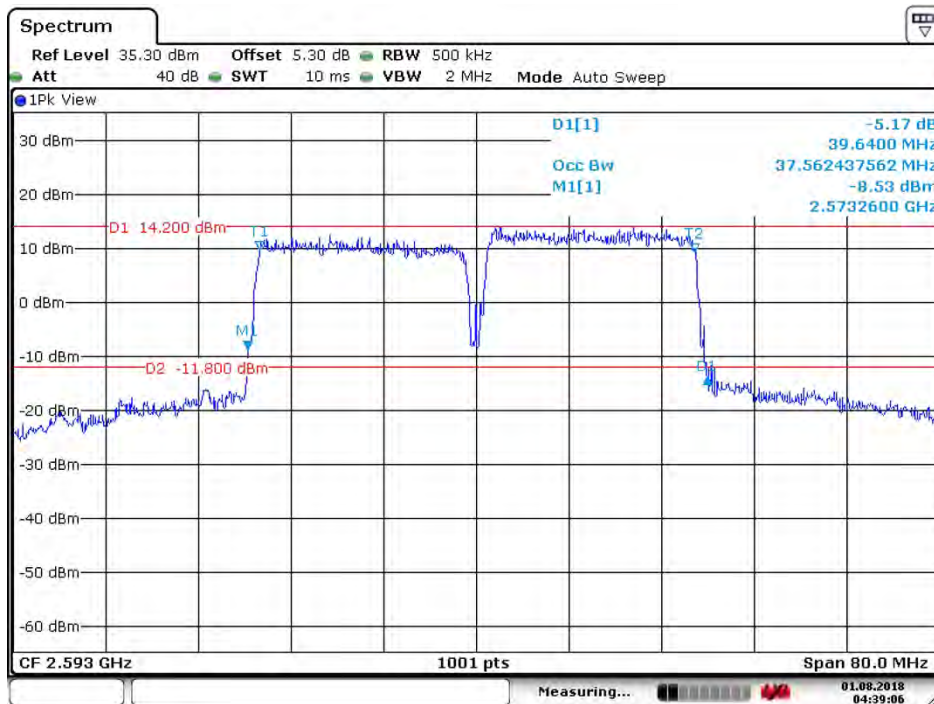
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4.1.2.3.4 Test Channel = 39948-39750



Date: 1.AUG.2018 04:24:30

4.1.2.3.5 Test Channel = 40719-40521

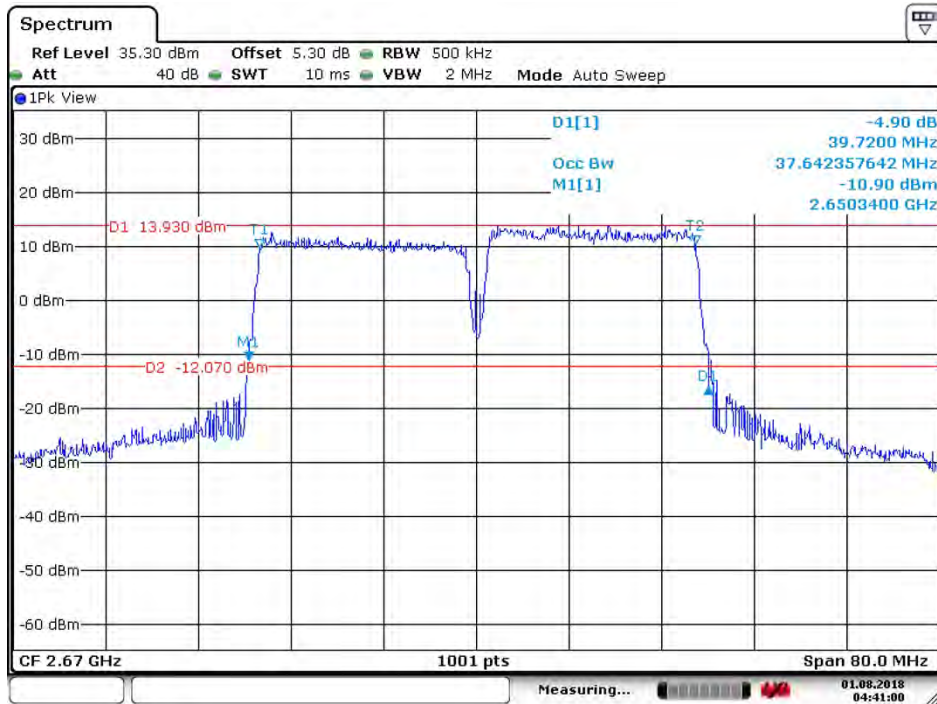


Date: 1.AUG.2018 04:39:06

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4.1.2.3.6 Test Channel = 41490-41292



Date: 1.AUG.2018 04:41:01

5 Band Edges Compliance

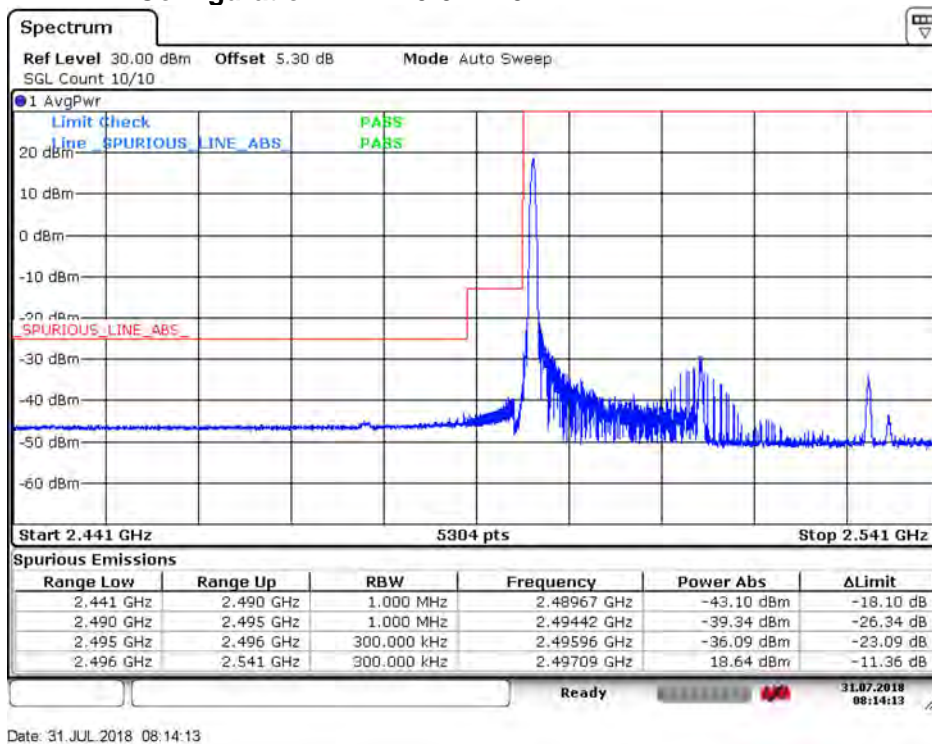
5.1 For LTE_CA_41C

5.1.1 Test Band = Bandwidth=100RB+25RB

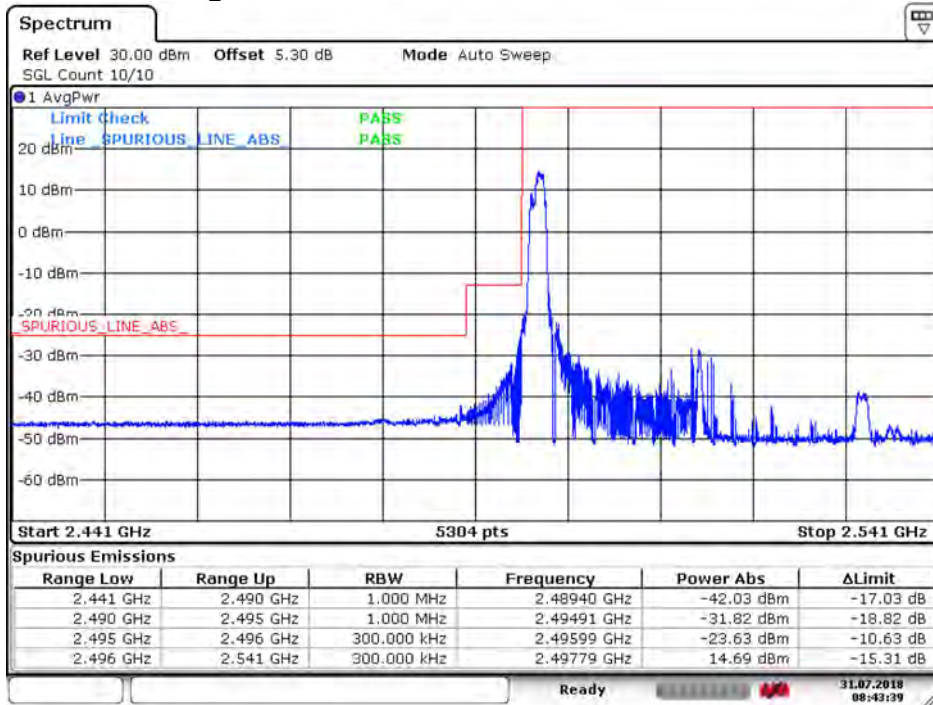
5.1.1.1 Test Mode = LTE/TM1

5.1.1.1.1 Test Channel = 39750-39867

5.1.1.1.1.1 RB Configuration =1RB#0-0RB#0

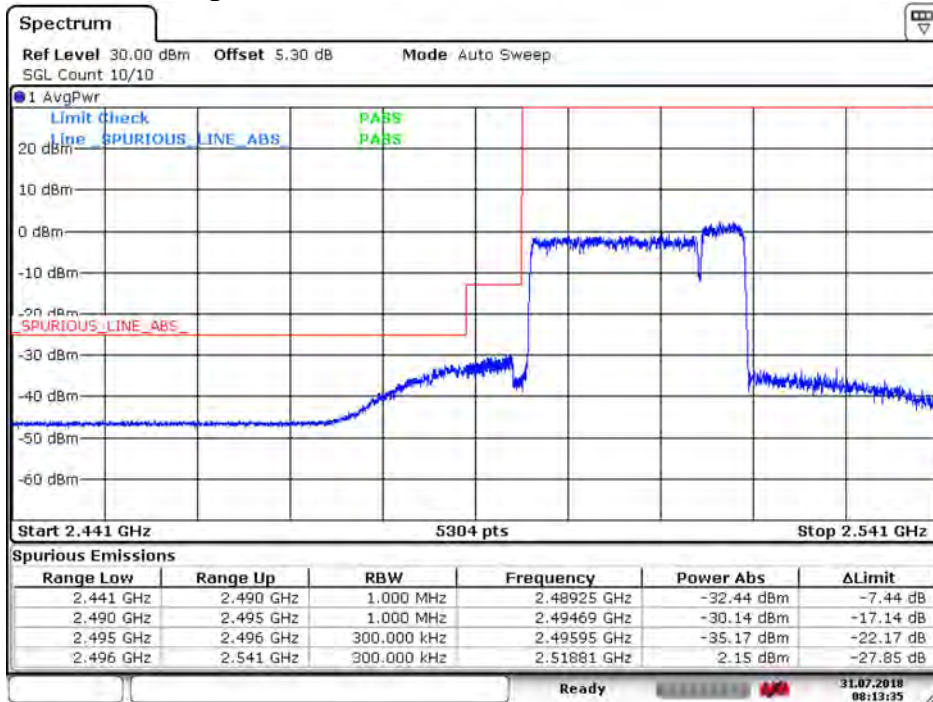


5.1.1.1.2 RB Configuration =8RB#0-0RB#0



Date: 31 JUL 2018 08:43:40

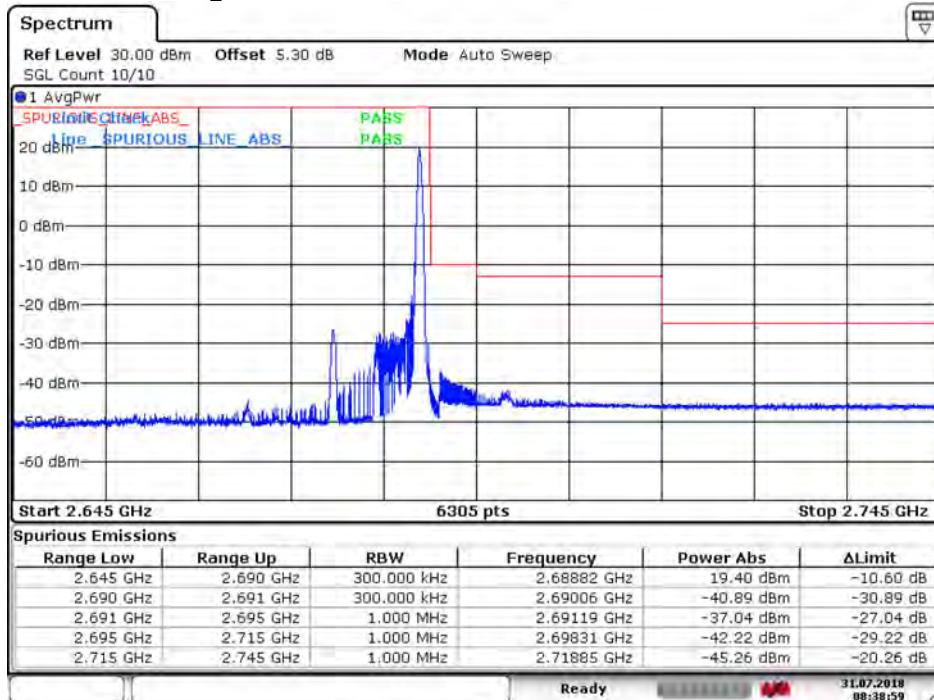
5.1.1.1.3 RB Configuration =100RB#0-25RB#0



Date: 31 JUL 2018 08:13:35

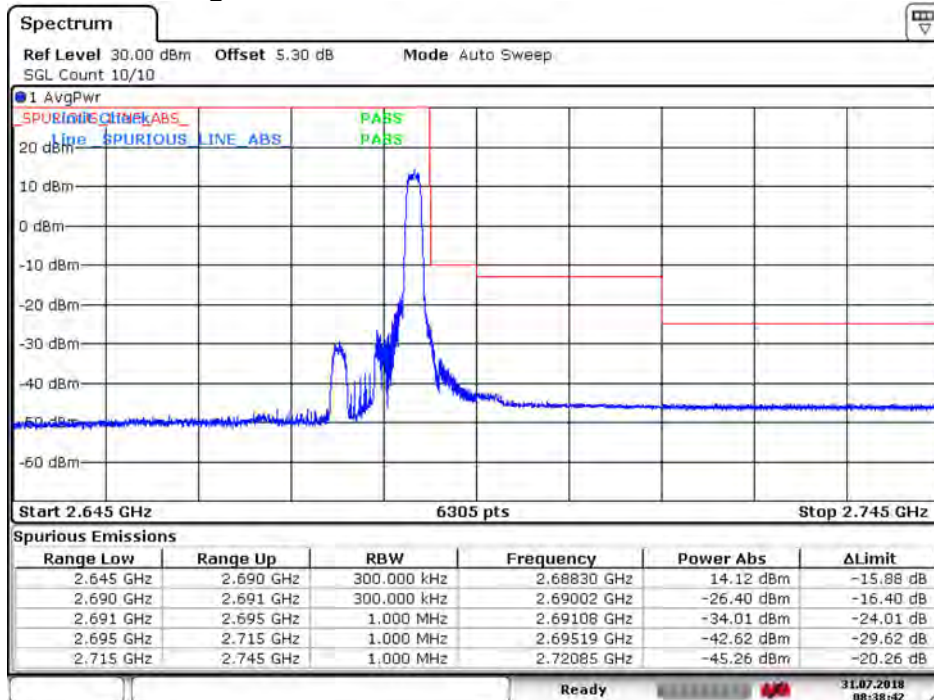
5.1.1.1.2 Test Channel = 41440-41557

5.1.1.1.2.1 RB Configuration =1RB#0-0RB#0



Date: 31 JUL 2018 08:38:59

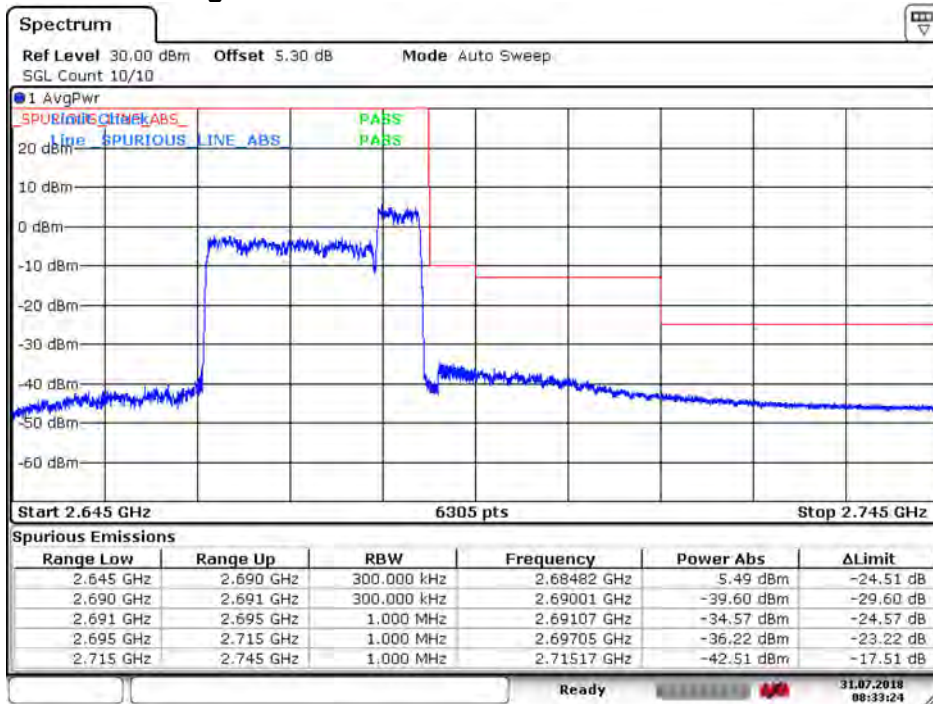
5.1.1.1.2.2 RB Configuration =8RB#17-0RB#0



Date: 31 JUL 2018 08:38:42

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5.1.1.1.2.3 RB Configuration =100RB#0-25RB#0

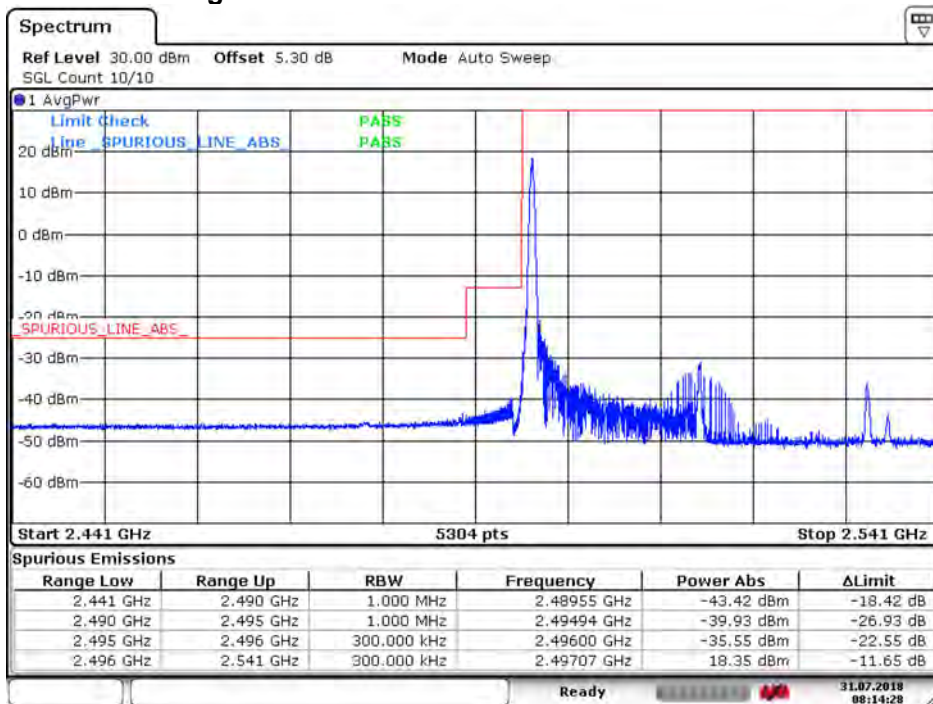


Date: 31 JUL 2018 08:33:25

5.1.1.2 Test Mode = LTE/TM2

5.1.1.2.1 Test Channel = 39750-39867

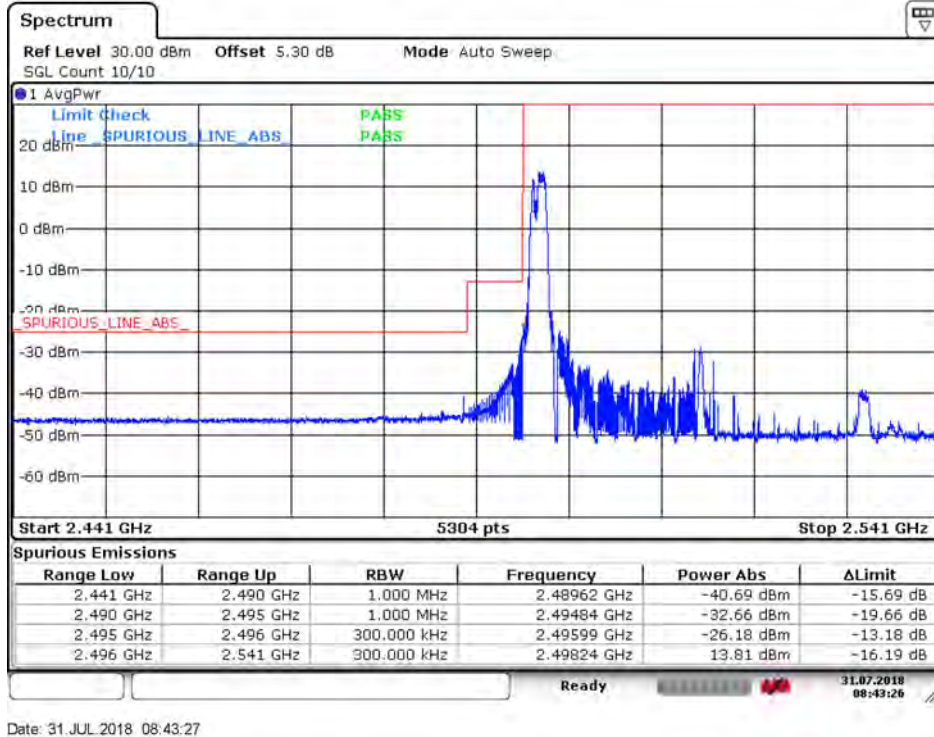
5.1.1.2.1.1 RB Configuration =1RB#0-0RB#0



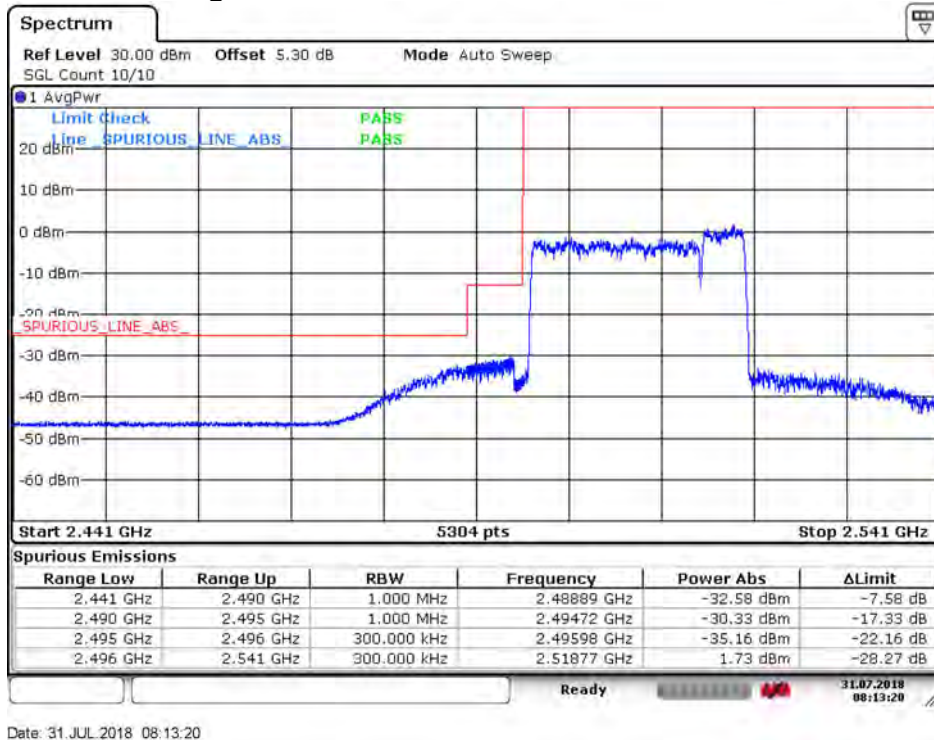
Date: 31 JUL 2018 08:14:28

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5.1.1.2.1.2 RB Configuration =8RB#0-0RB#0



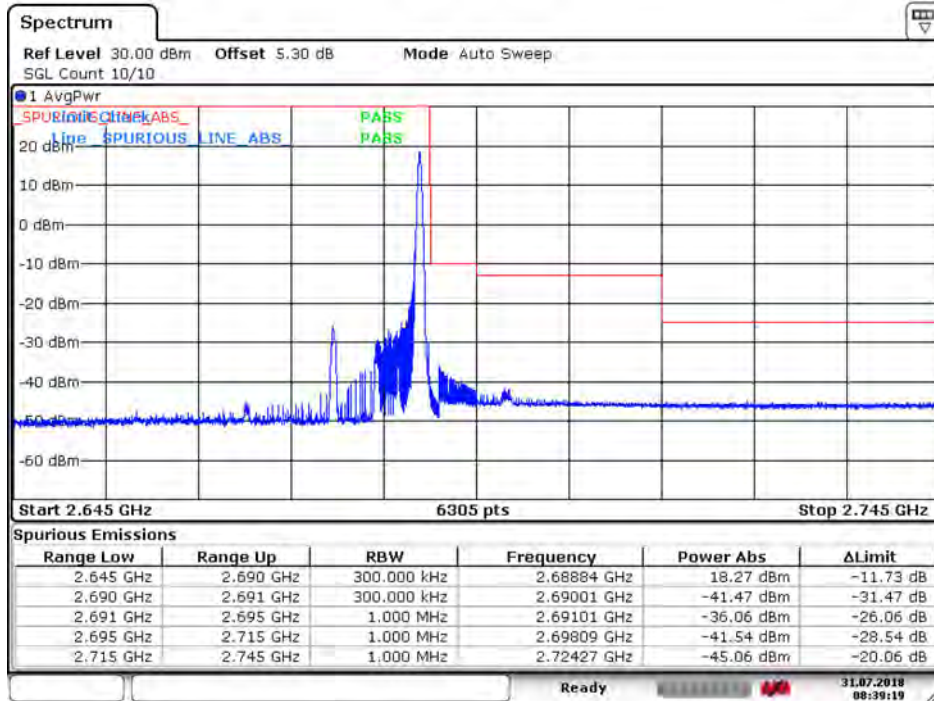
5.1.1.2.1.3 RB Configuration =100RB#0-25RB#0



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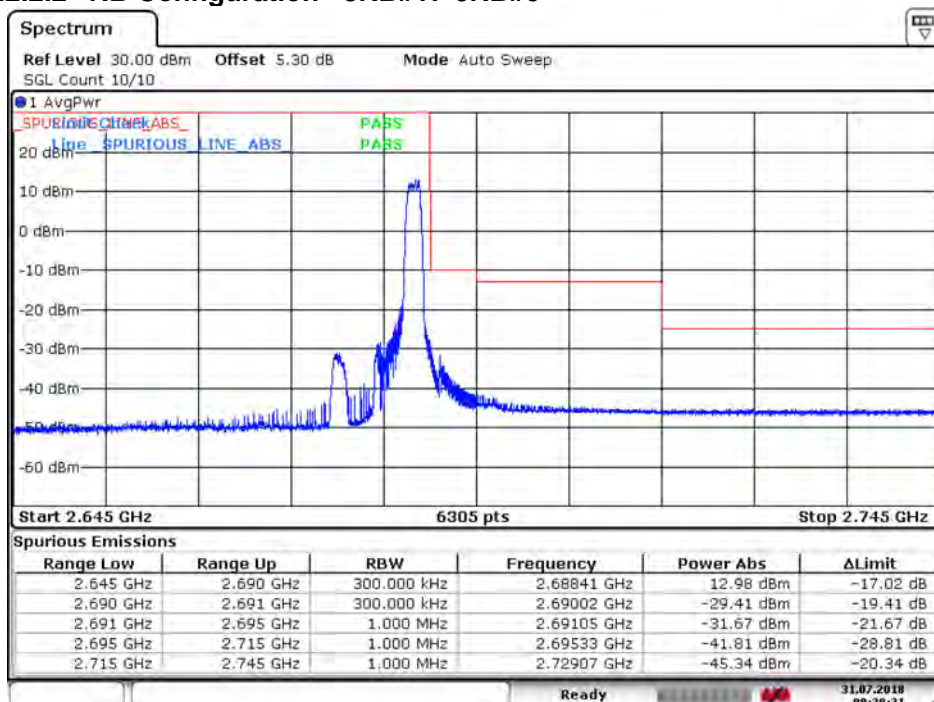
5.1.1.2.2 Test Channel = 41440-41557

5.1.1.2.2.1 RB Configuration =1RB#0-0RB#0



Date: 31 JUL 2018 08:39:19

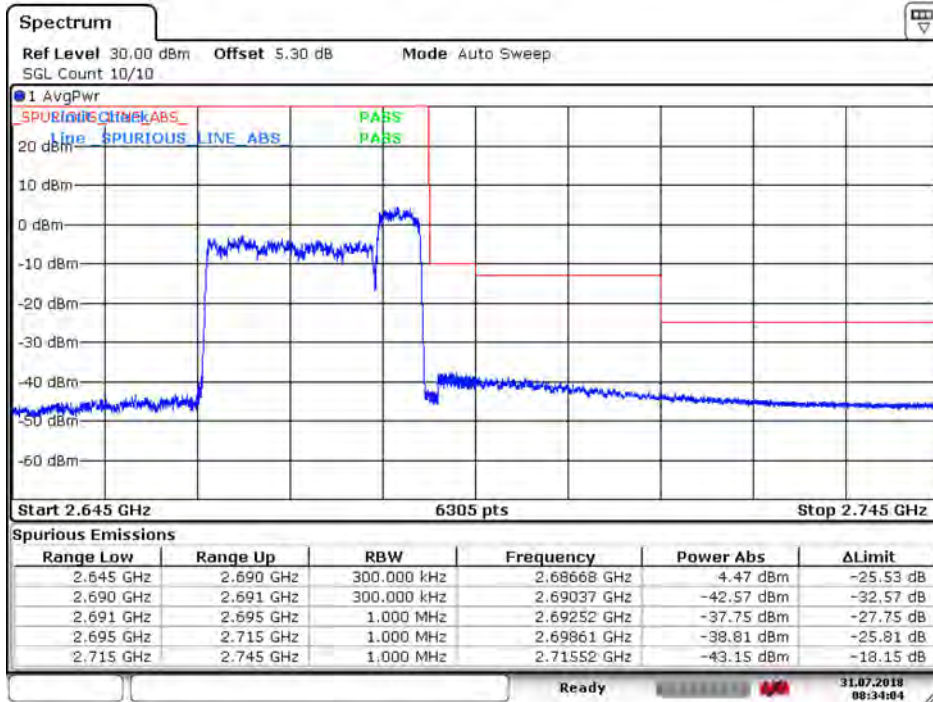
5.1.1.2.2.2 RB Configuration =8RB#17-0RB#0



Date: 31 JUL 2018 08:38:31

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5.1.1.2.3 RB Configuration =100RB#0-25RB#0

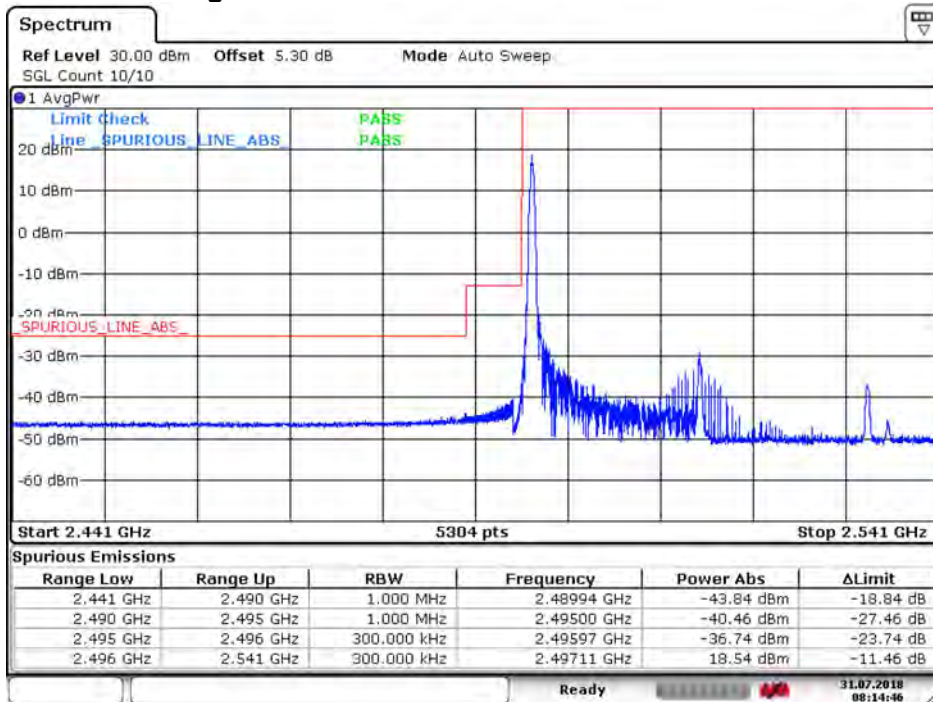


Date: 31 JUL 2018 08:34:04

5.1.1.3 Test Mode = LTE/TM3

5.1.1.3.1 Test Channel = 39750-39867

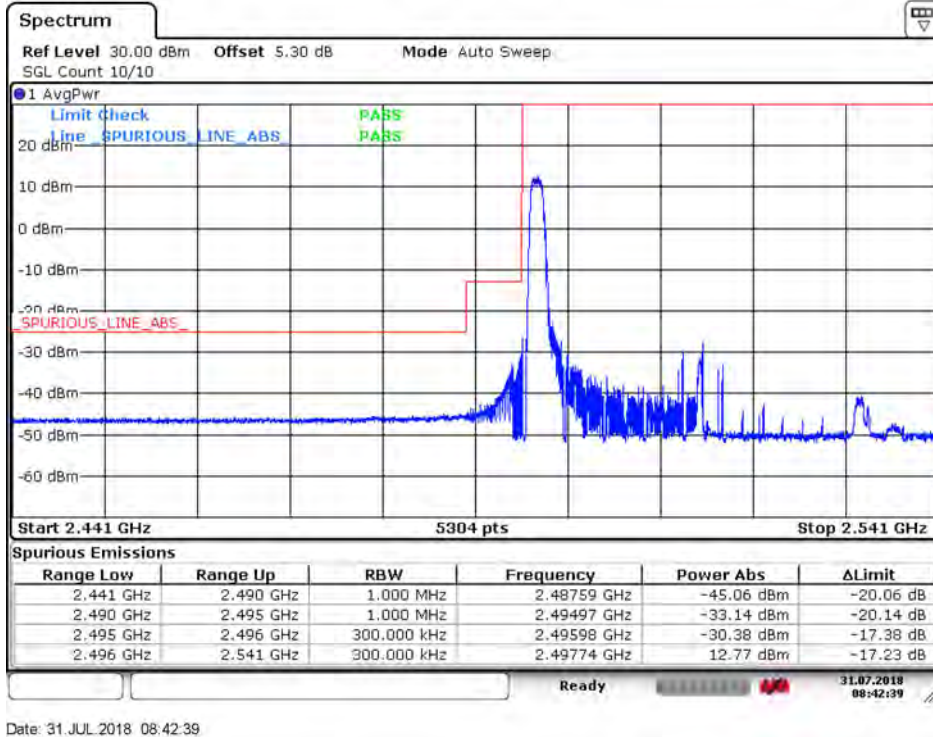
5.1.1.3.1.1 RB Configuration =1RB#0-0RB#0



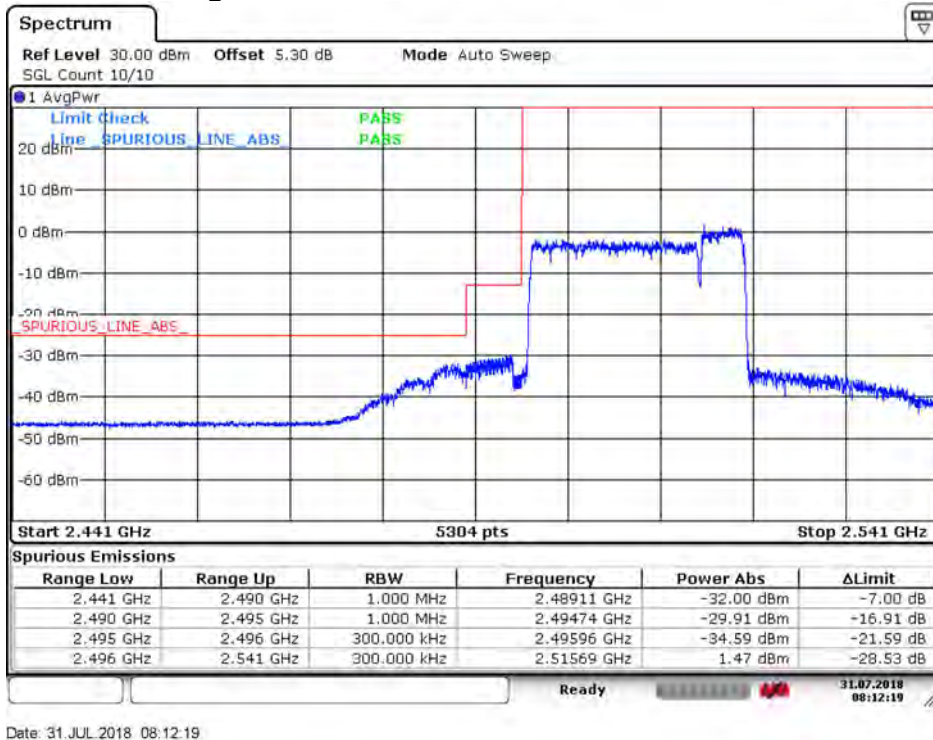
Date: 31 JUL 2018 08:14:46

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5.1.1.3.1.2 RB Configuration =8RB#0-0RB#0

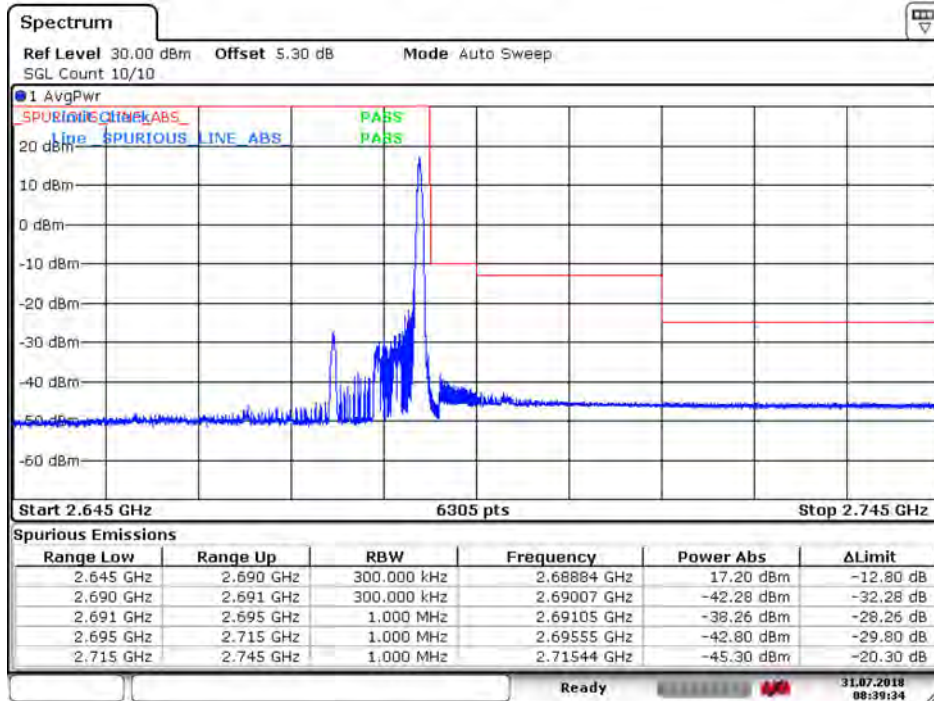


5.1.1.3.1.3 RB Configuration =100RB#0-25RB#0



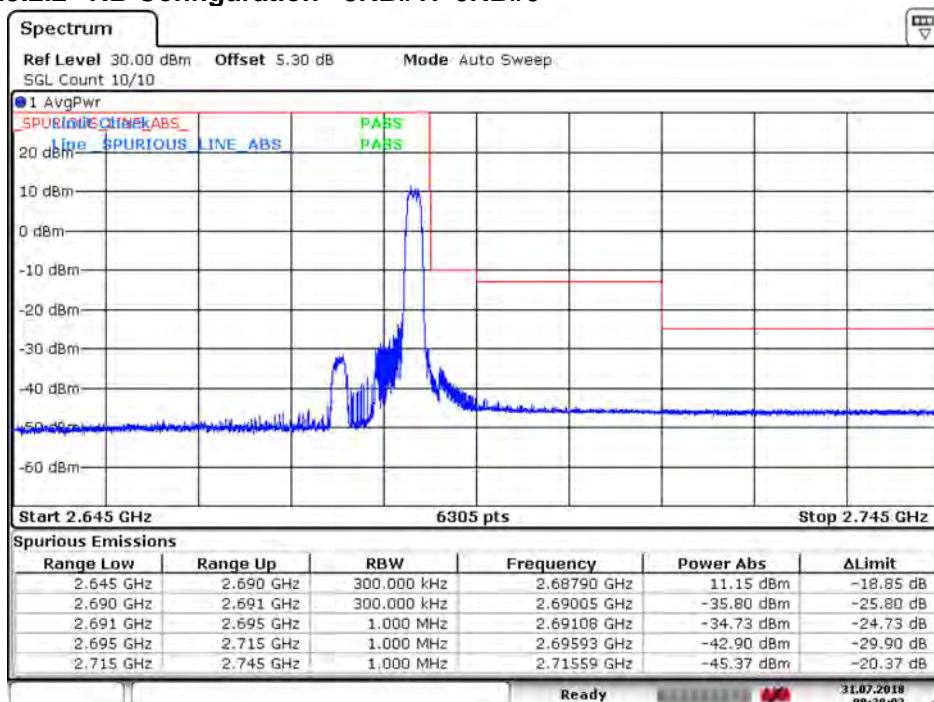
5.1.1.3.2 Test Channel = 41440-41557

5.1.1.3.2.1 RB Configuration =1RB#0-0RB#0



Date: 31 JUL 2018 08:39:35

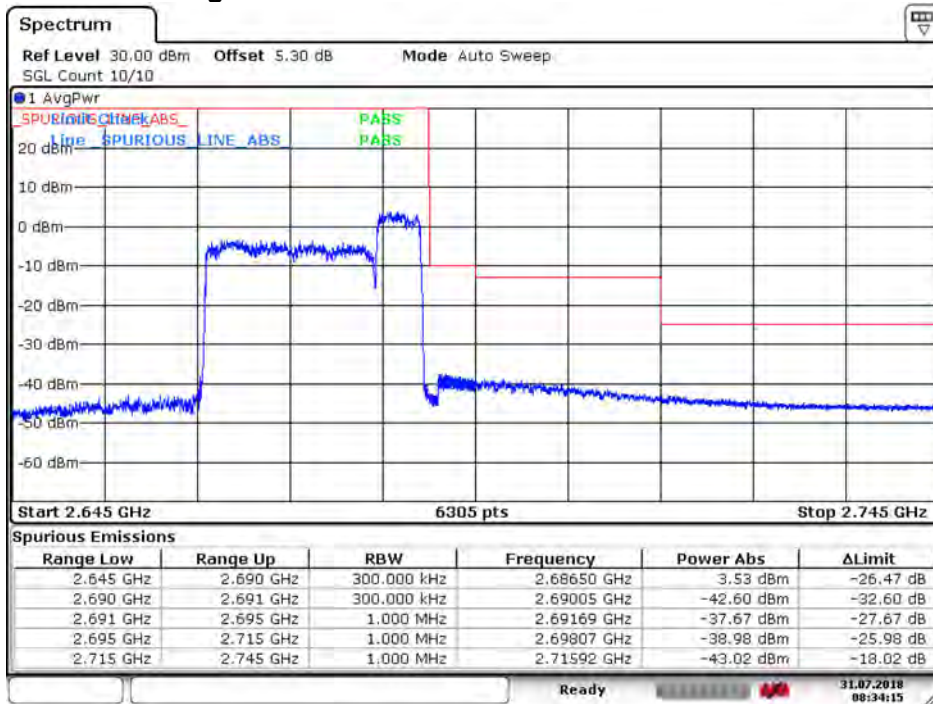
5.1.1.3.2.2 RB Configuration =8RB#17-0RB#0



Date: 31 JUL 2018 08:38:03

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5.1.1.3.2.3 RB Configuration =100RB#0-25RB#0



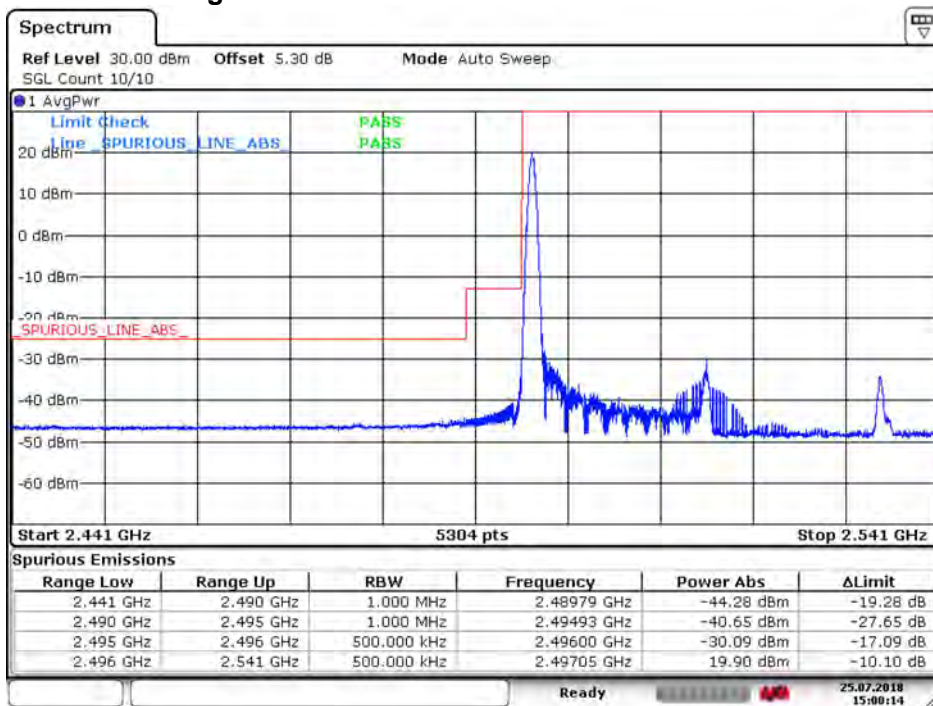
Date: 31.JUL.2018 08:34:15

5.1.2 Test Band = Bandwidth=100RB+100RB

5.1.2.1 Test Mode = LTE/TM1

5.1.2.1.1 Test Channel = 39750-39948

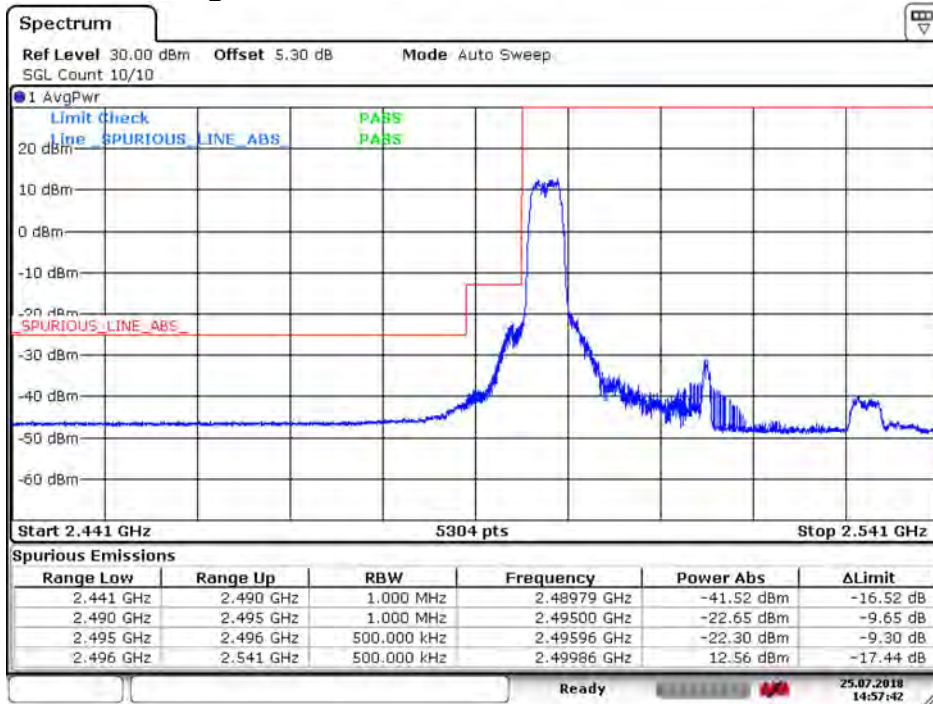
5.1.2.1.1.1 RB Configuration =1RB#0-0RB#0



Date: 25.JUL.2018 15:00:15

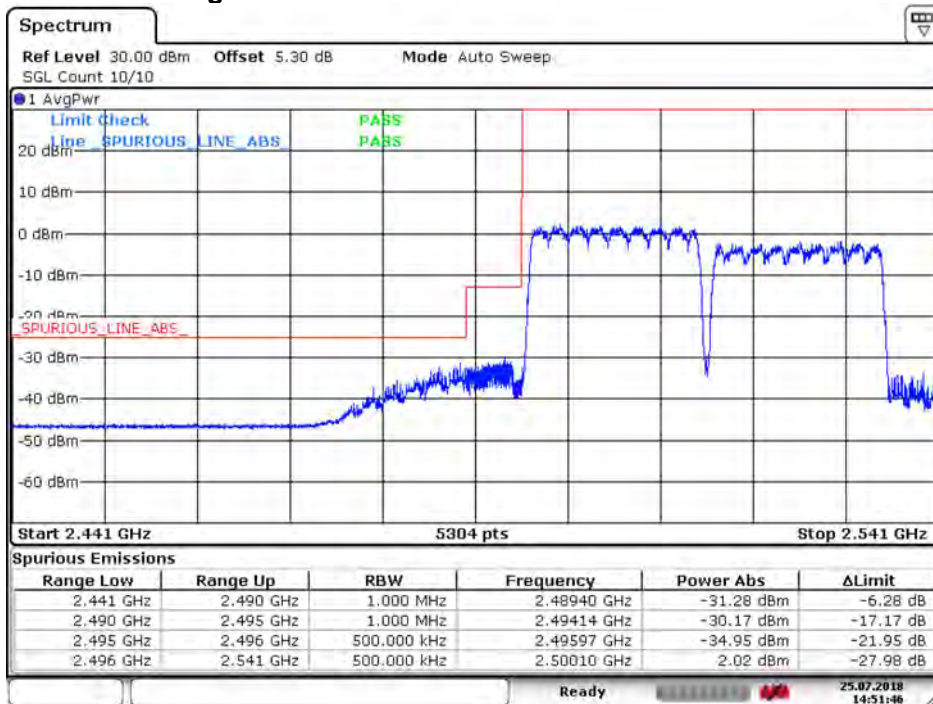
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5.1.2.1.1.2 RB Configuration =18RB#0-0RB#0



Date: 25 JUL 2018 14:57:43

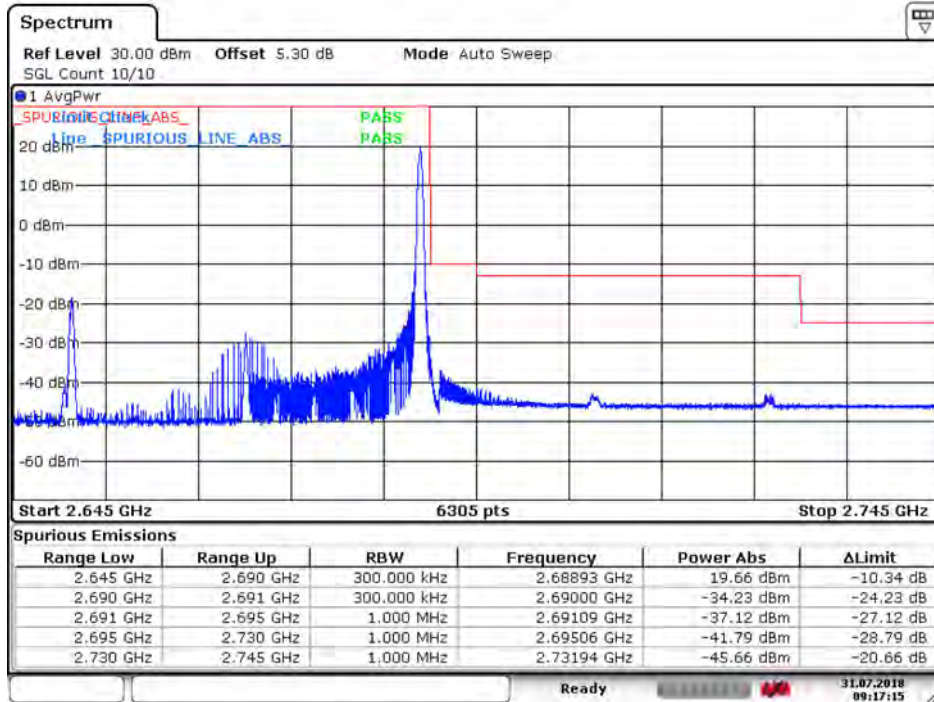
5.1.2.1.1.3 RB Configuration =100RB#0-100RB#0



Date: 25 JUL 2018 14:51:47

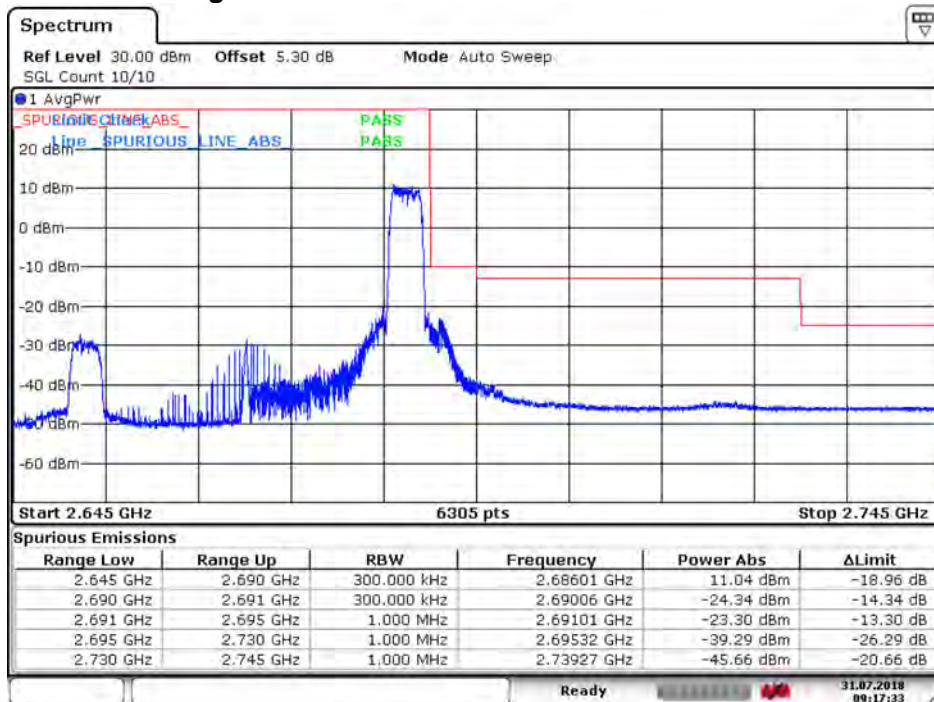
5.1.2.1.2 Test Channel = 41292-41490

5.1.2.1.2.1 RB Configuration =1RB#99-0RB#0



Date: 31 JUL 2018 09:17:15

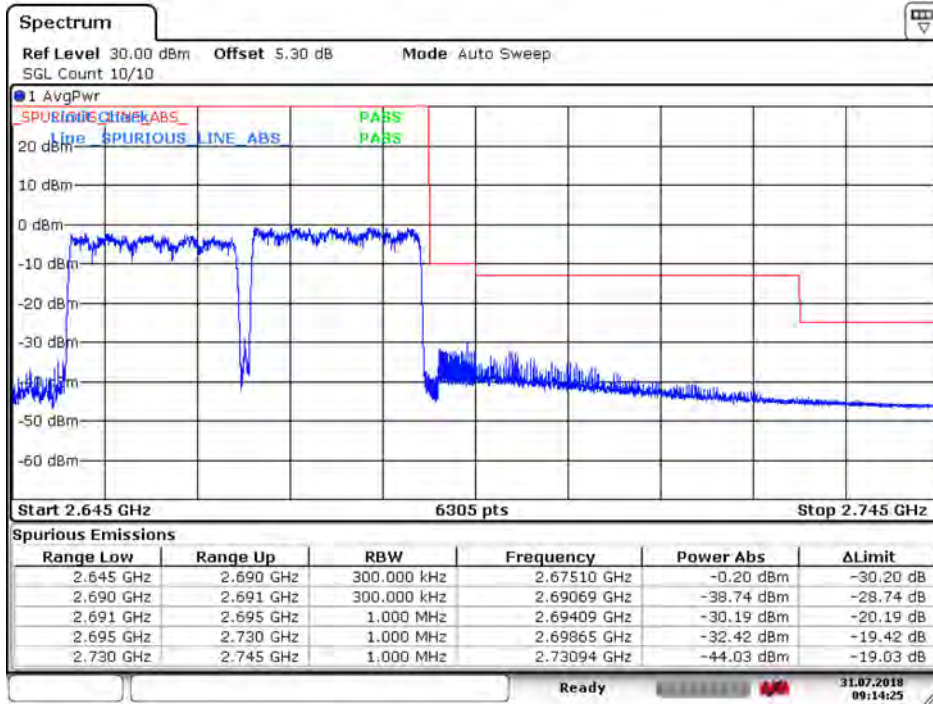
5.1.2.1.2.2 RB Configuration =18RB#82-0RB#0



Date: 31 JUL 2018 09:17:33

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5.1.2.1.2.3 RB Configuration =100RB#0-100RB#0

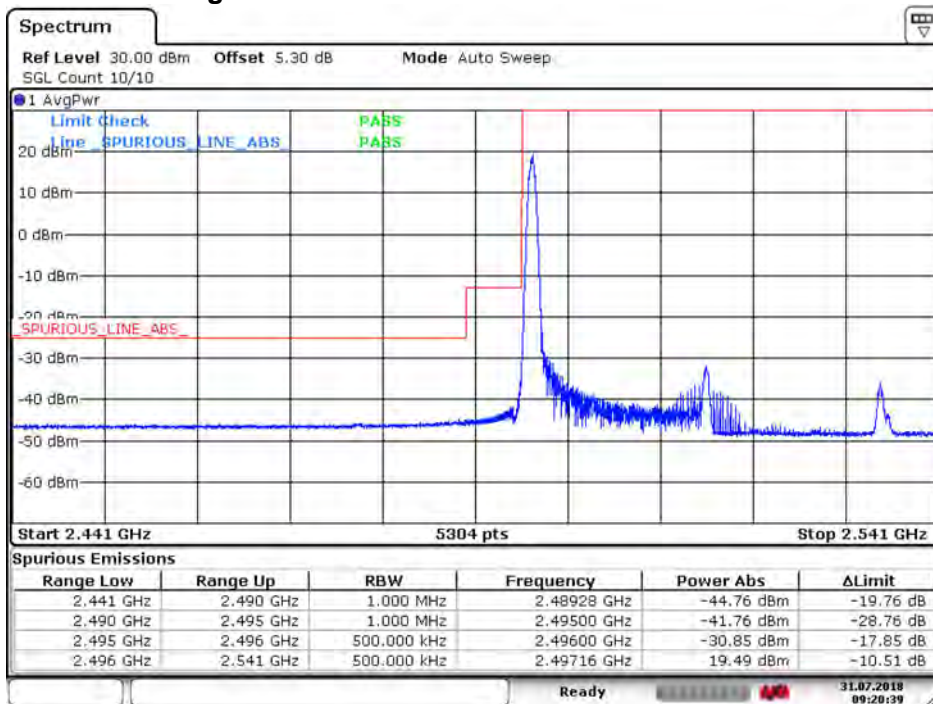


Date: 31 JUL 2018 09:14:26

5.1.2.2 Test Mode = LTE/TM2

5.1.2.2.1 Test Channel = 39750-39948

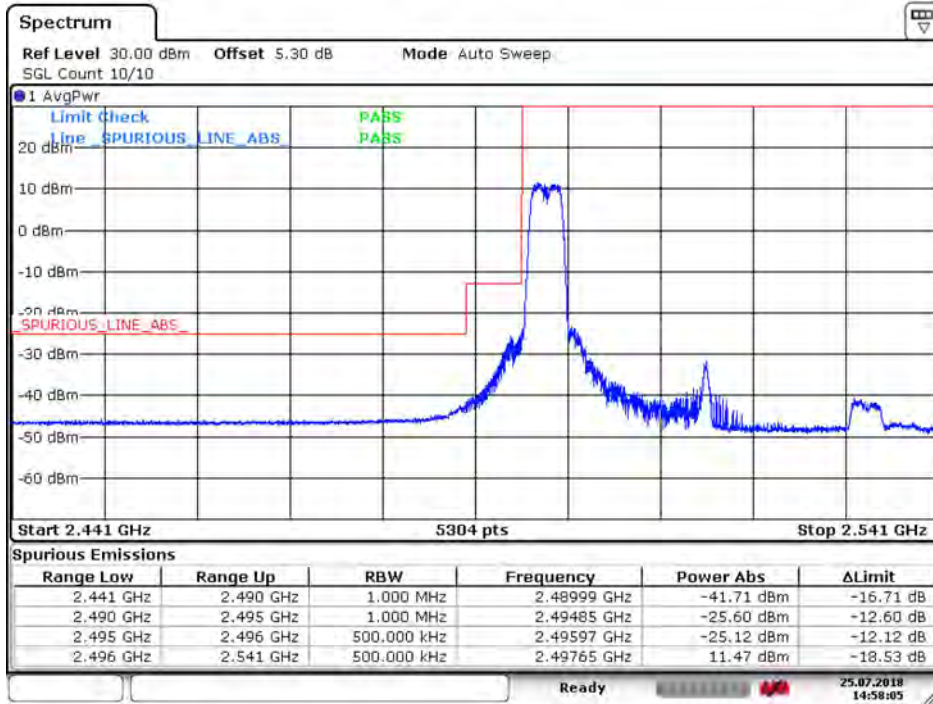
5.1.2.2.1.1 RB Configuration =1RB#0-0RB#0



Date: 31 JUL 2018 09:20:38

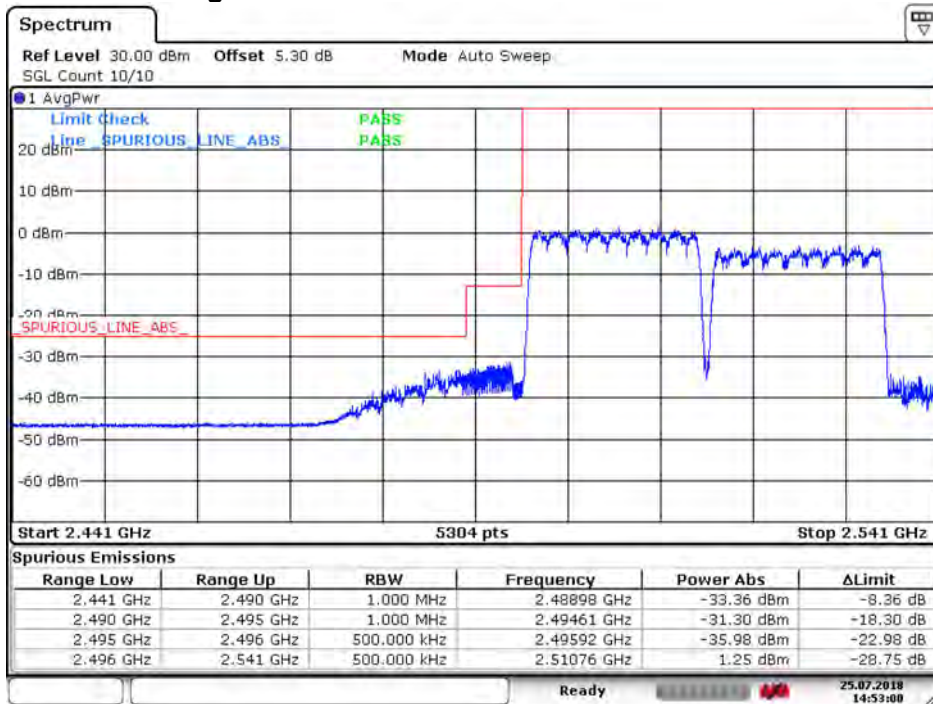
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5.1.2.2.1.2 RB Configuration =18RB#0-0RB#0



Date: 25 JUL 2018 14:58:05

5.1.2.2.1.3 RB Configuration =100RB#0-100RB#0

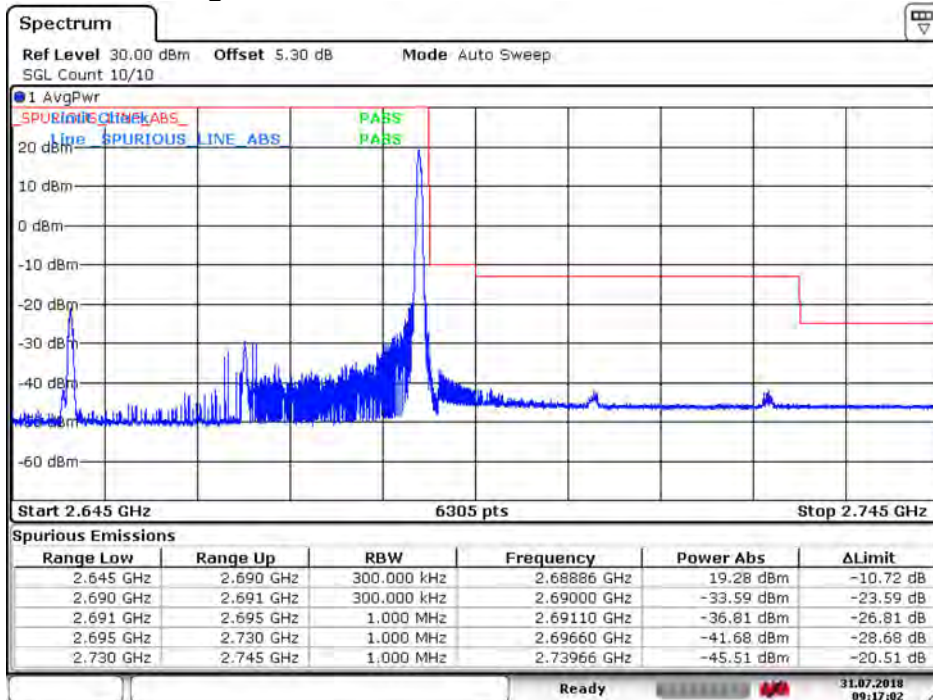


Date: 25 JUL 2018 14:53:01

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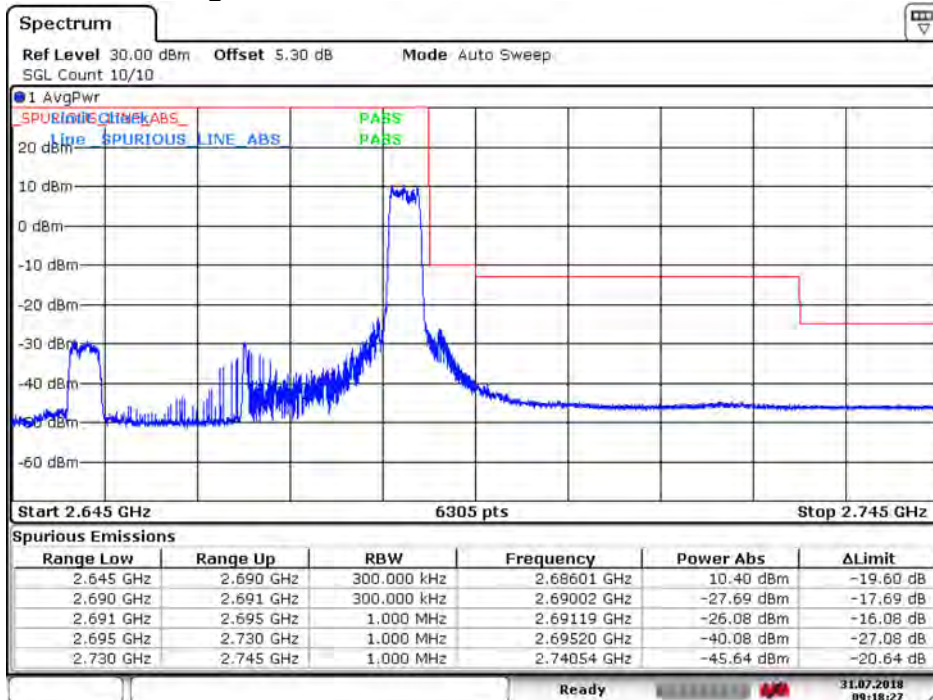
5.1.2.2.2 Test Channel = 41292-41490

5.1.2.2.2.1 RB Configuration =1RB#99-0RB#0



Date: 31 JUL 2018 09:17:02

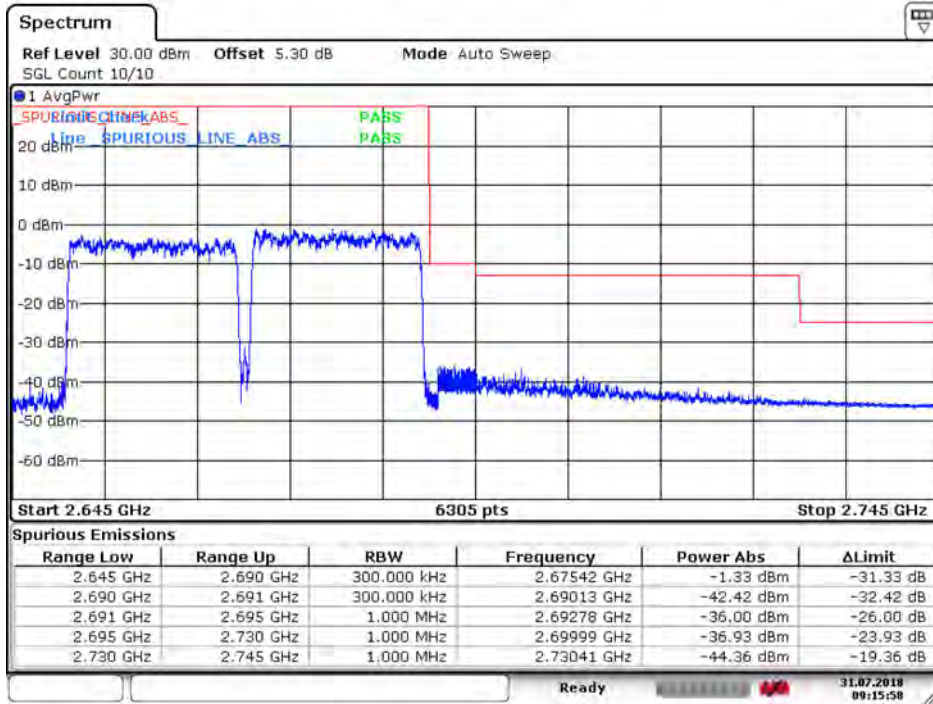
5.1.2.2.2.2 RB Configuration =18RB#82-0RB#0



Date: 31 JUL 2018 09:18:27

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5.1.2.2.3 RB Configuration =100RB#0-100RB#0

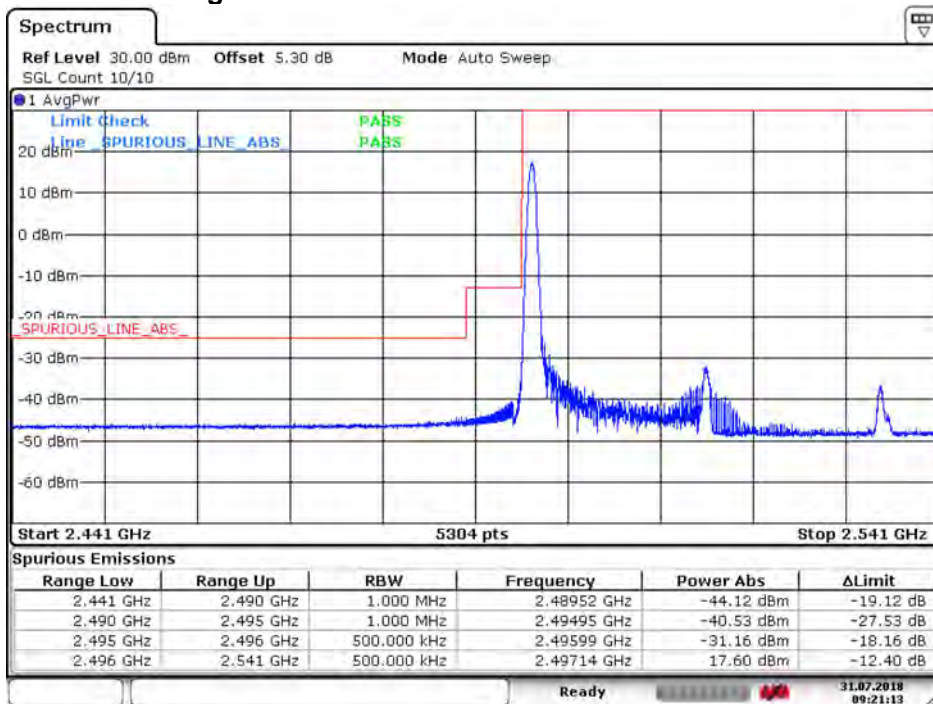


Date: 31 JUL 2018 09:15:58

5.1.2.3 Test Mode = LTE/TM3

5.1.2.3.1 Test Channel = 39750-39948

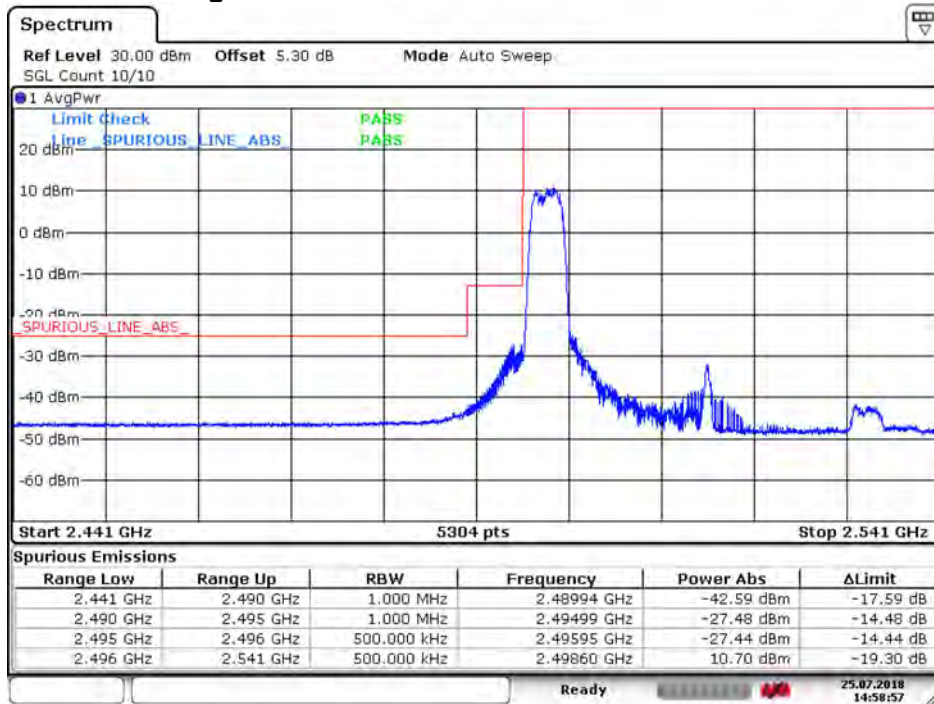
5.1.2.3.1.1 RB Configuration =1RB#0-0RB#0



Date: 31 JUL 2018 09:21:13

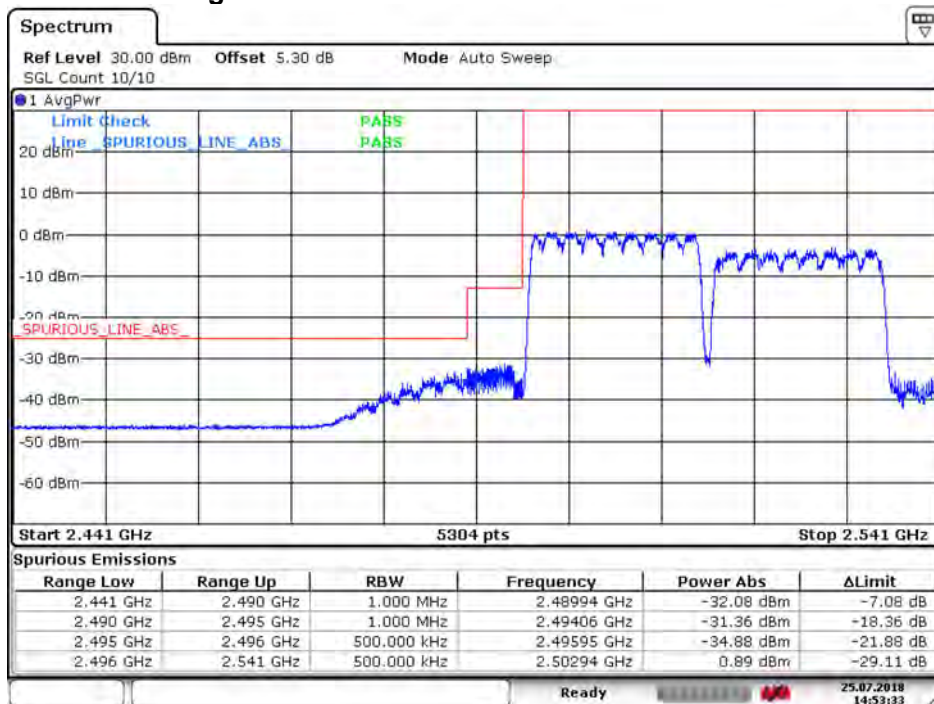
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5.1.2.3.1.2 RB Configuration =18RB#0-0RB#0



Date: 25 JUL 2018 14:58:57

5.1.2.3.1.3 RB Configuration =100RB#0-100RB#0

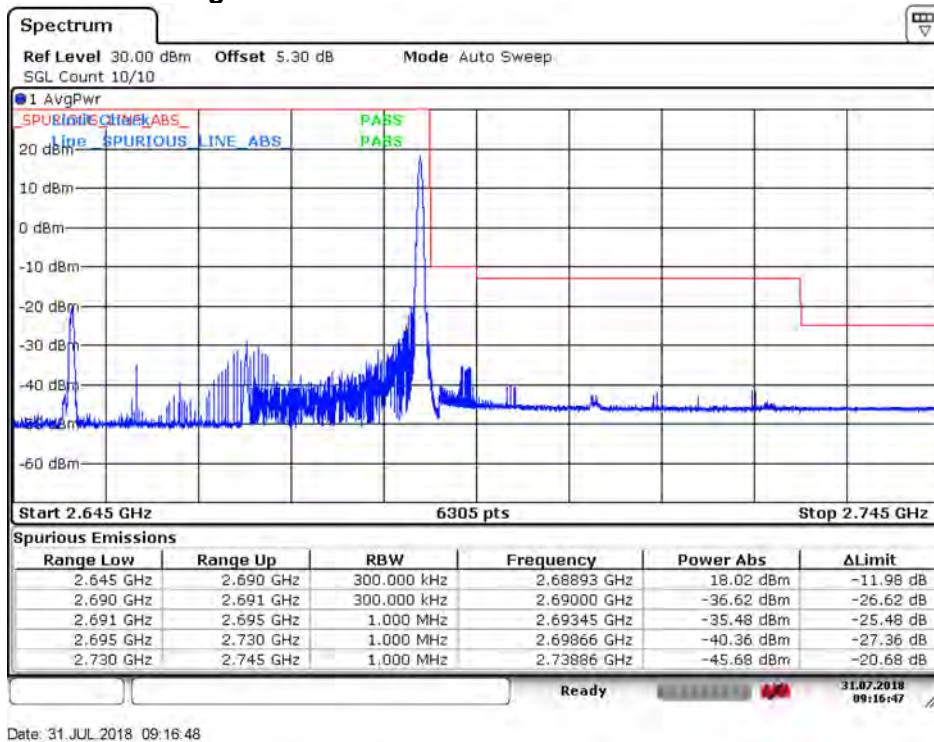


Date: 25 JUL 2018 14:53:33

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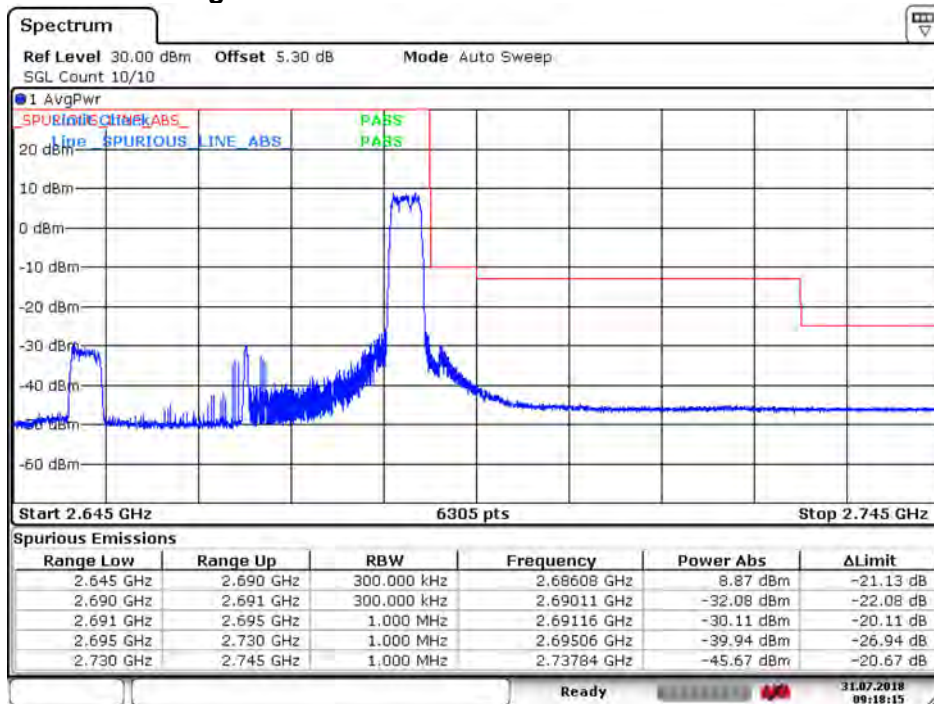
5.1.2.3.2 Test Channel = 41292-41490

5.1.2.3.2.1 RB Configuration =1RB#99-0RB#0



Date: 31 JUL 2018 09:16:48

5.1.2.3.2.2 RB Configuration =18RB#82-0RB#0

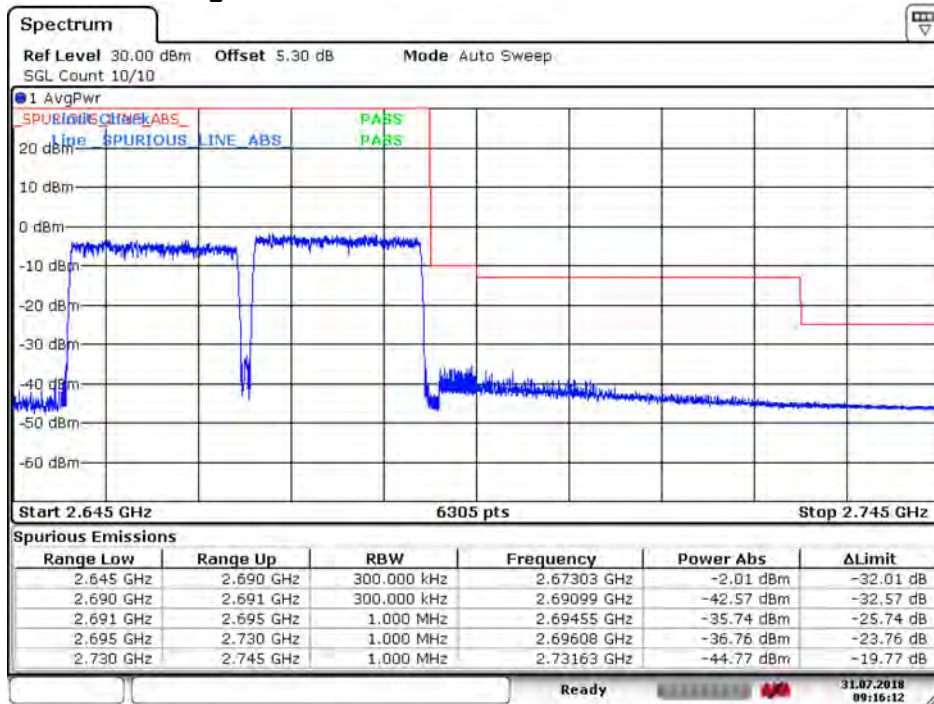


Date: 31 JUL 2018 09:18:15

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5.1.2.3.2.3 RB Configuration =100RB#0-100RB#0



Date: 31.JUL.2018 09:16:12

6 Spurious Emission at Antenna Terminal

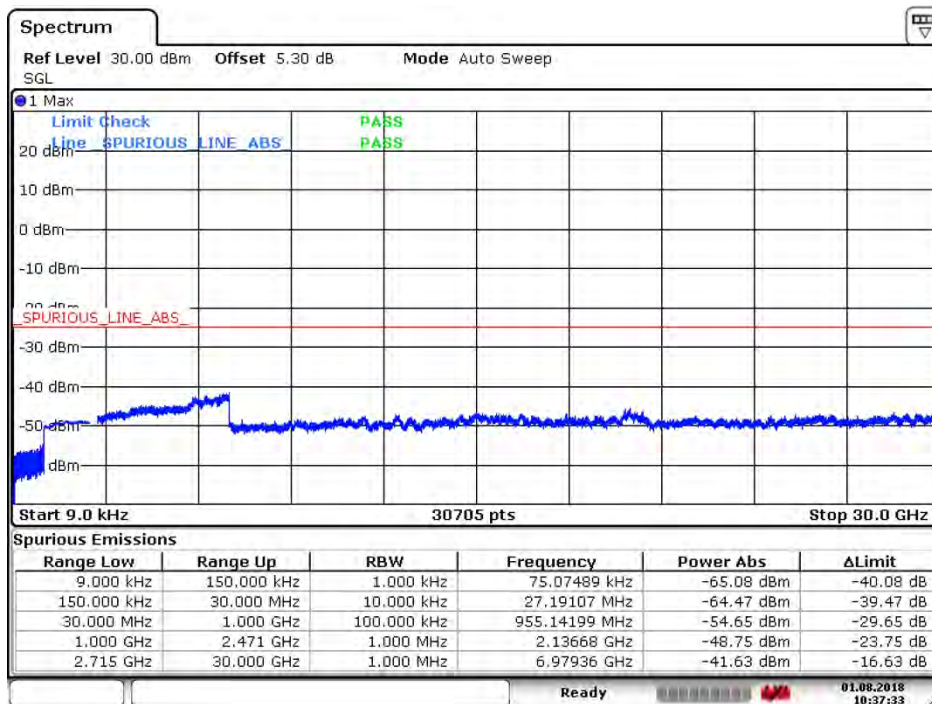
NOTE1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k * (Span / RBW)$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

NOTE2: only the worst case data displayed in this report.

6.1 For LTE_CA_41C

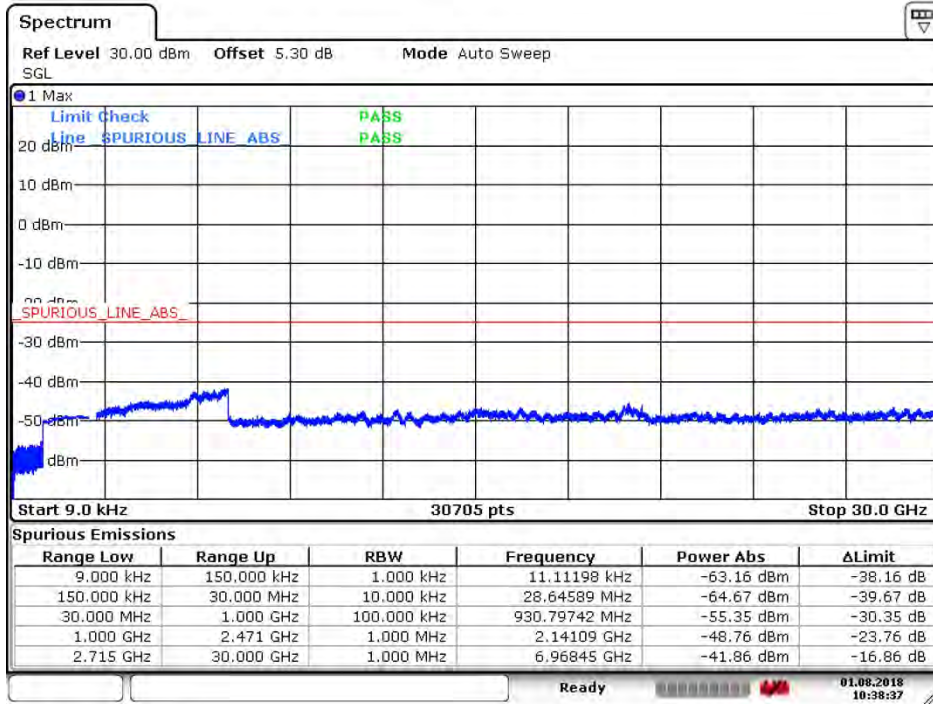
6.1.1 Test Band = Bandwidth=100RB+25RB

6.1.1.1 Test Channel = 39750-39867



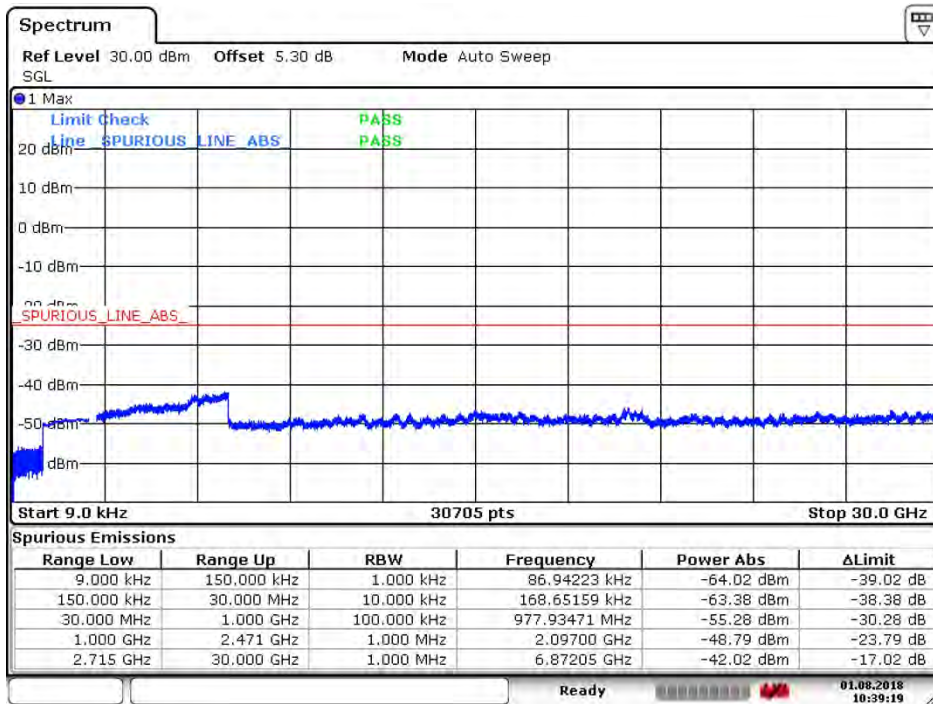
Date: 1.AUG.2018 10:37:33

6.1.1.1.2 Test Channel = 40595-40712



Date: 1.AUG.2018 10:38:37

6.1.1.1.3 Test Channel = 41440-41557

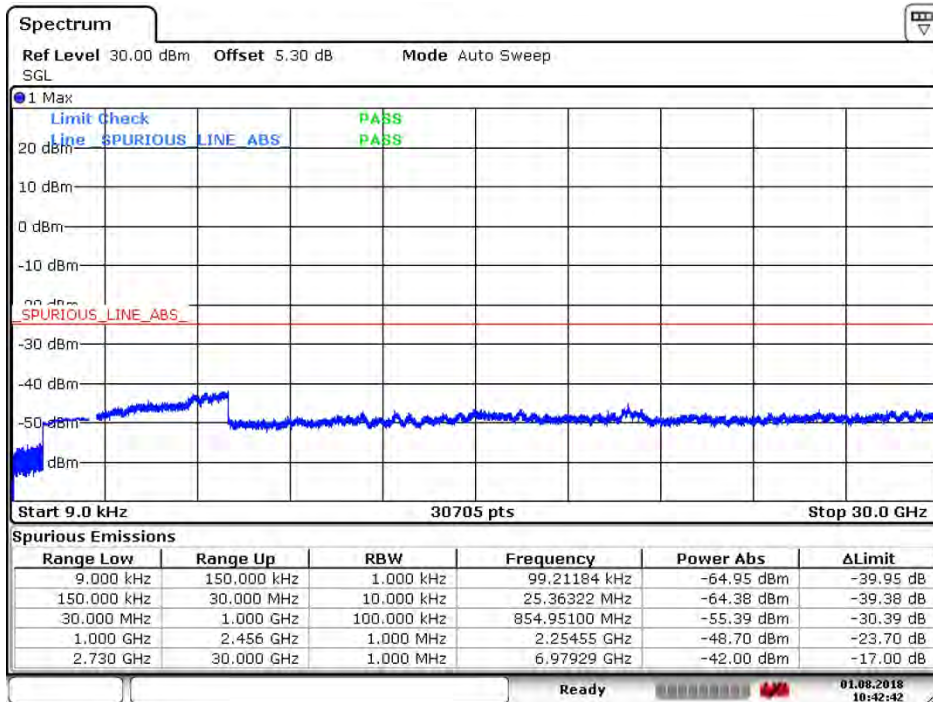


Date: 1.AUG.2018 10:39:19



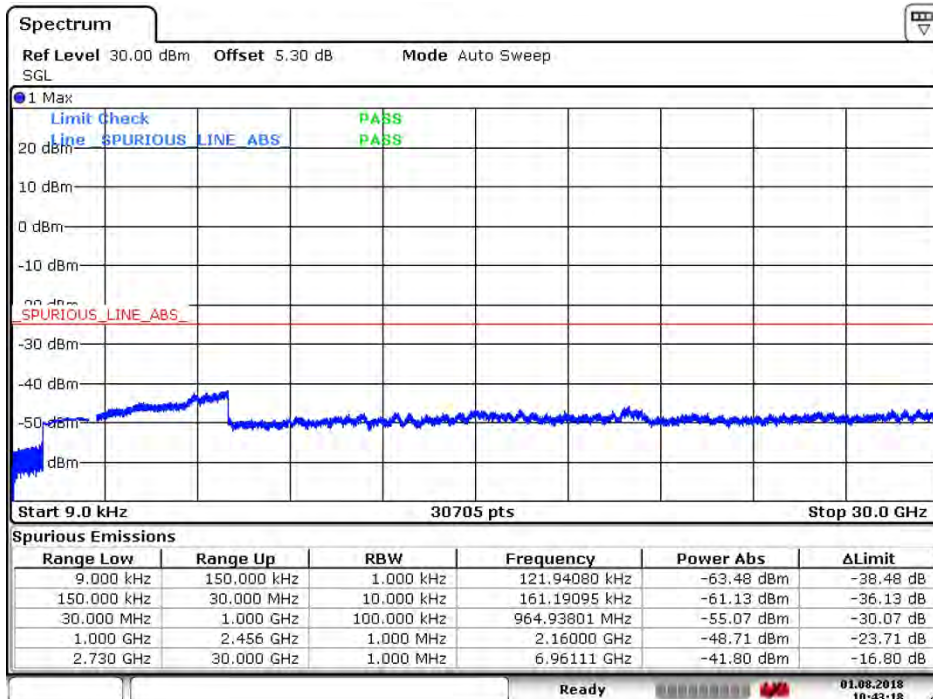
6.1.2 Test Band = Bandwidth=100RB+100RB

6.1.2.1.1 Test Channel = 39750-39948



Date: 1.AUG.2018 10:42:42

6.1.2.1.2 Test Channel = 40521-40719

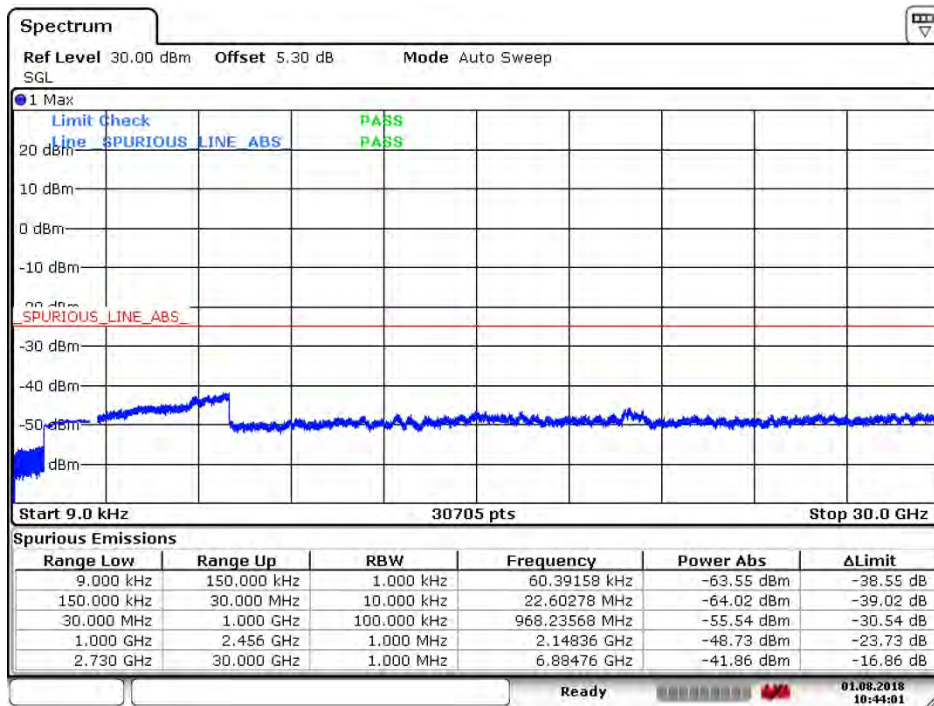


Date: 1.AUG.2018 10:43:18

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6.1.2.1.3 Test Channel = 41292-41490



Date: 1.AUG.2018 10:44:02

7 Field Strength of Spurious Radiation

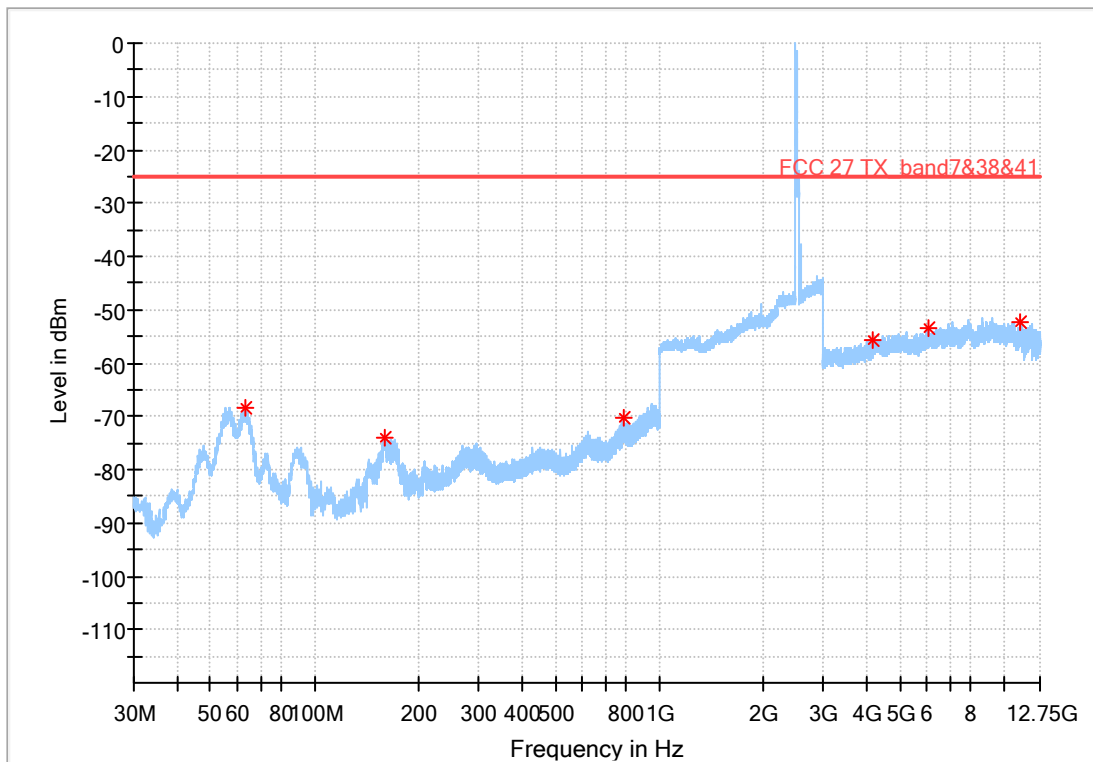
7.1 For LTE

7.1.1 Test Band = LTE Band CA_41C_Main Antenna

7.1.1.1 Test Mode =LTE/TM1 100RB+100RB

7.1.1.1.1 Test Channel = 39750-39948_H

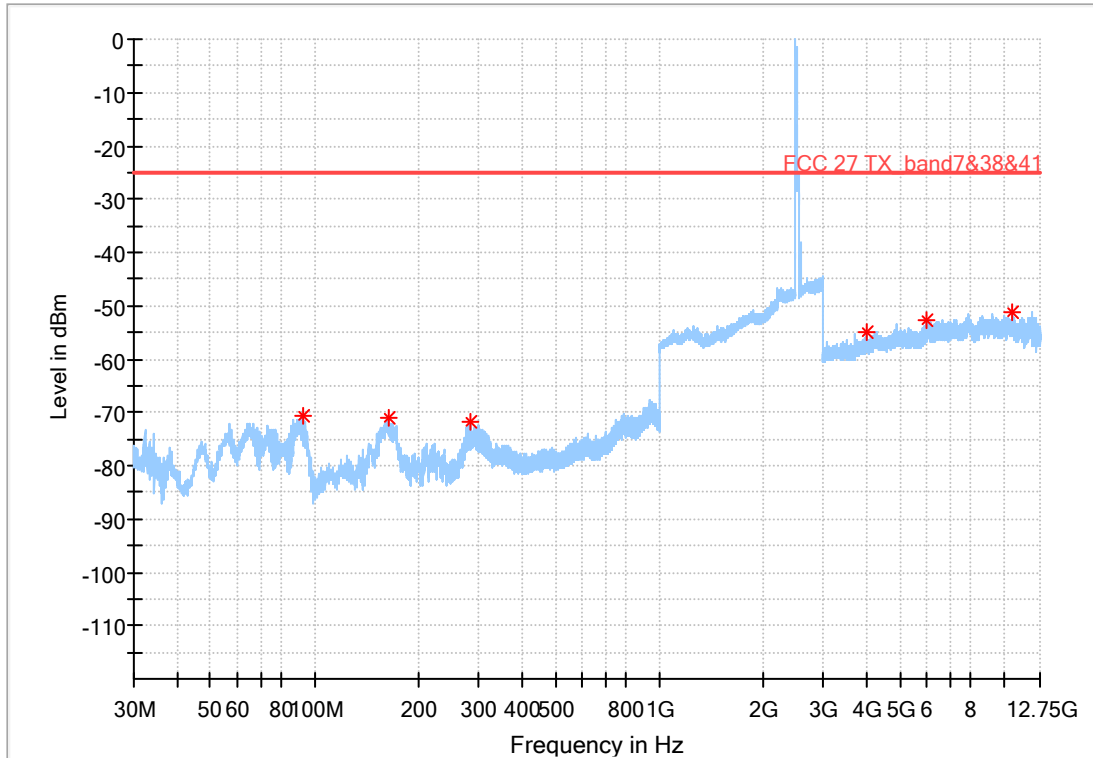
Full Spectrum





7.1.1.1.2 Test Channel = 39750-39948_V

Full Spectrum

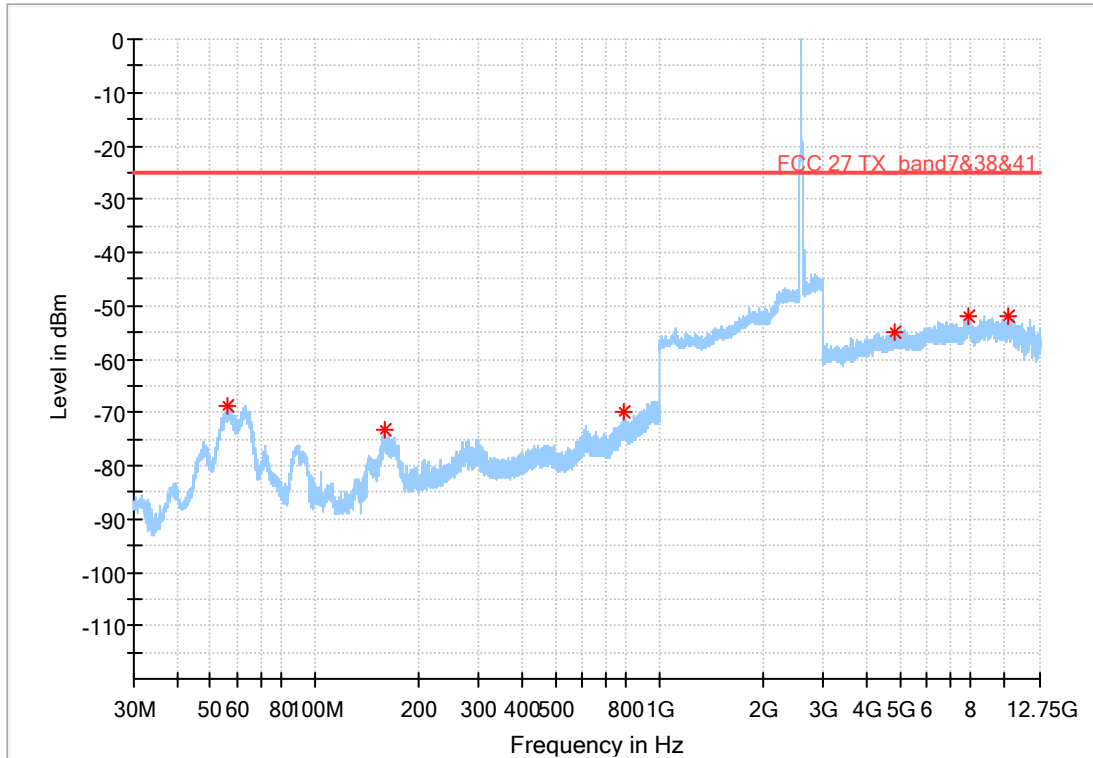


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7.1.1.1.3 Test Channel = 40521-40719_H

Full Spectrum

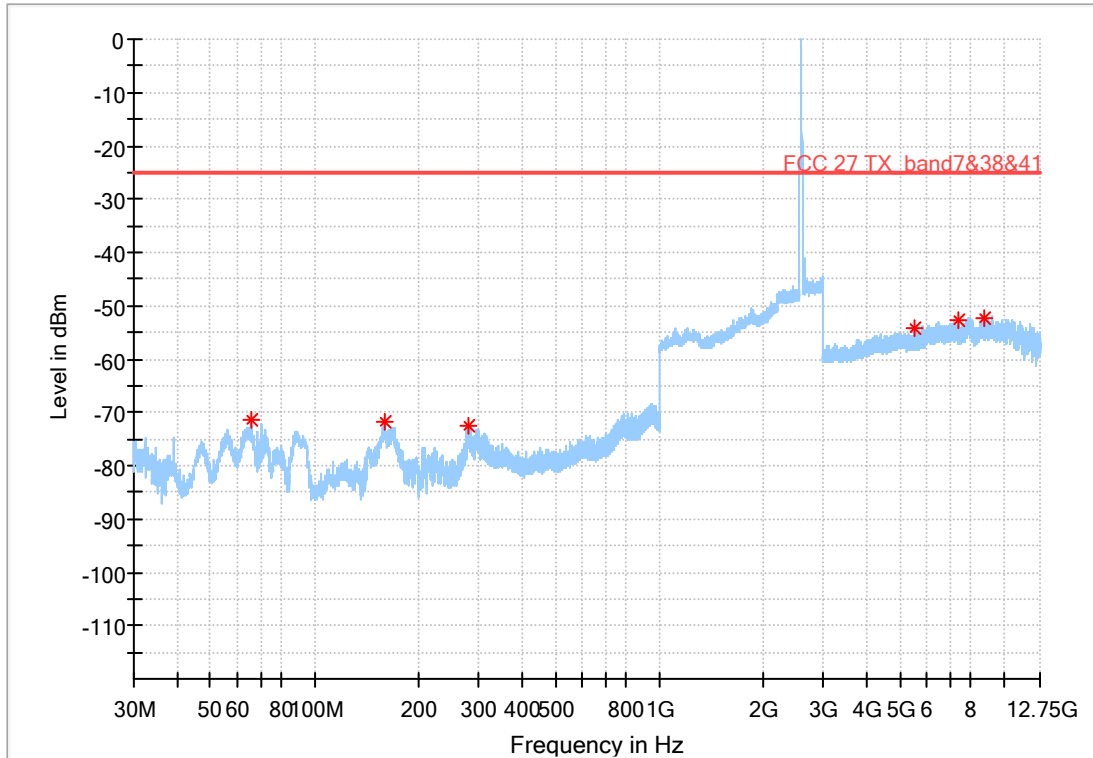


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7.1.1.1.4 Test Channel = 40521-40719_V

Full Spectrum

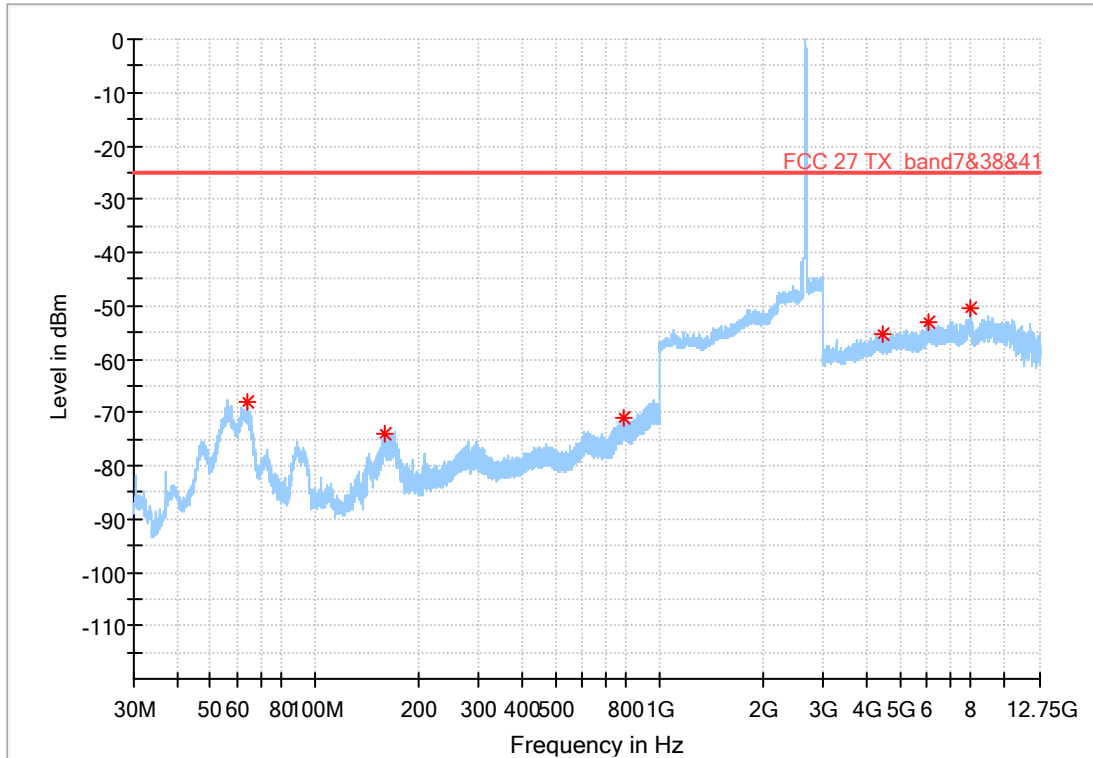


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7.1.1.1.5 Test Channel = 41292-41490_H

Full Spectrum

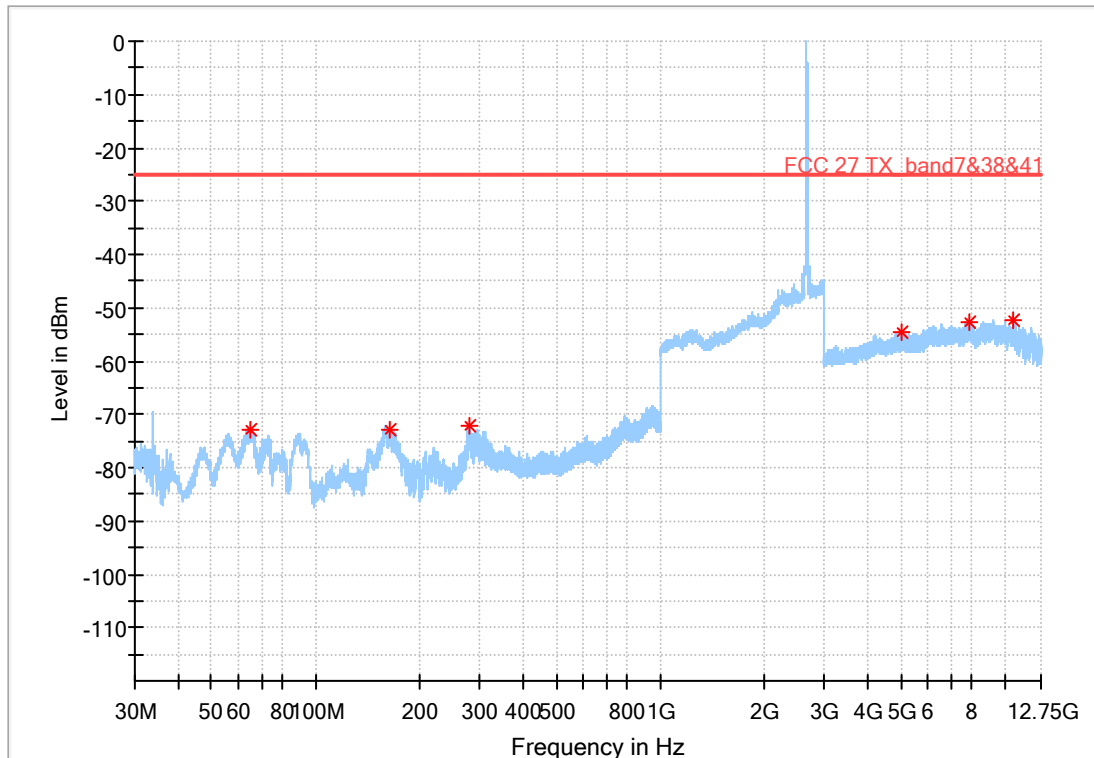


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7.1.1.1.6 Test Channel = 41292-41490_V

Full Spectrum



7.1.2 Test Band = LTE Band CA_41C_Secondary Antenna

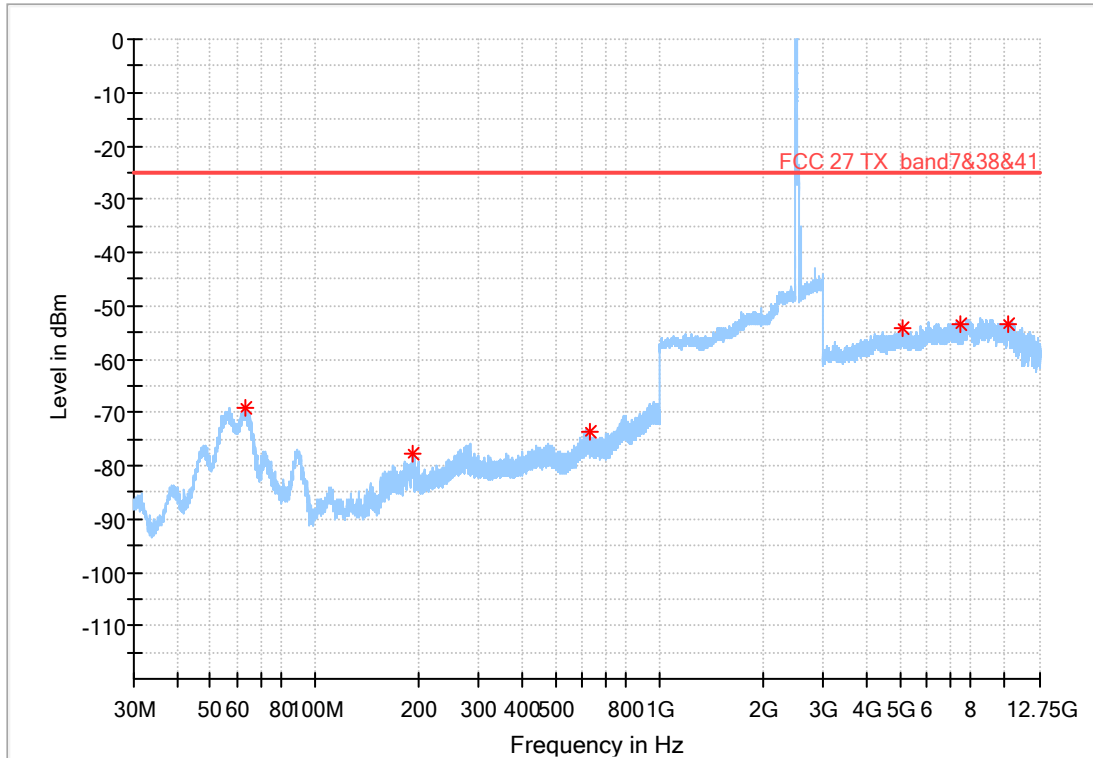
7.1.2.1 Test Mode =LTE/TM1 100RB+100RB

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7.1.2.1.1 Test Channel = 39750-39948_H

Full Spectrum

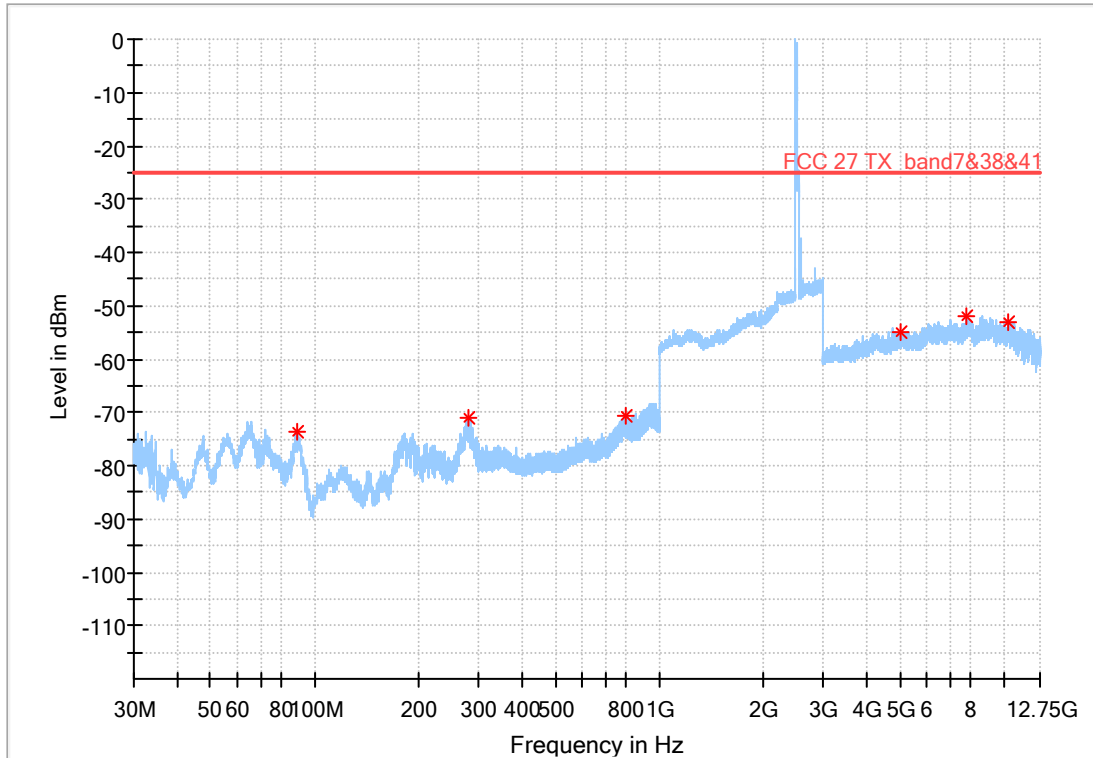


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7.1.2.1.2 Test Channel = 39750-39948_V

Full Spectrum

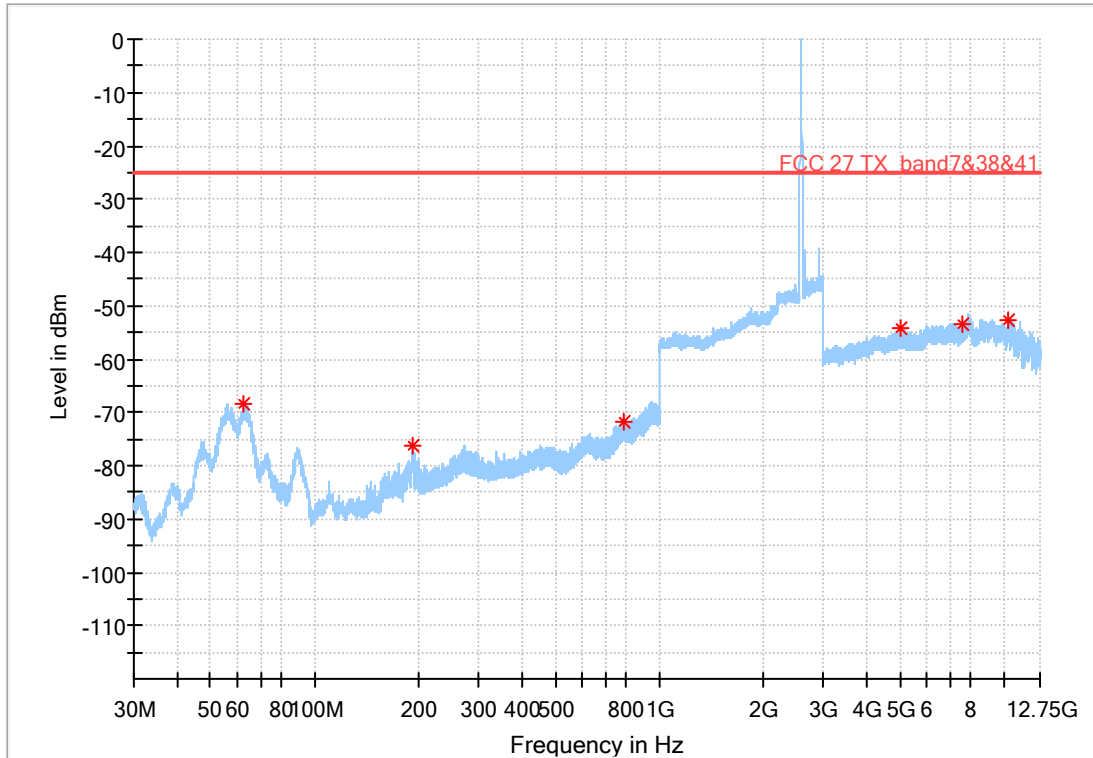


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7.1.2.1.3 Test Channel = 40521-40719_H

Full Spectrum

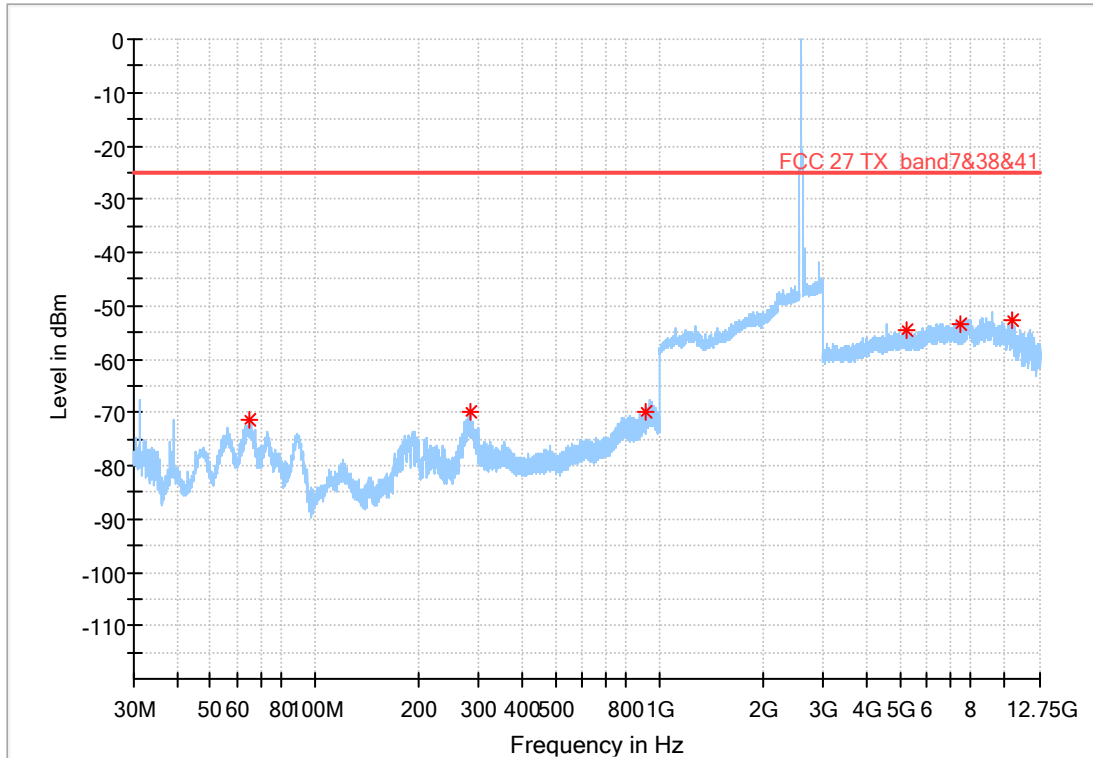


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7.1.2.1.4 Test Channel = 40521-40719_V

Full Spectrum

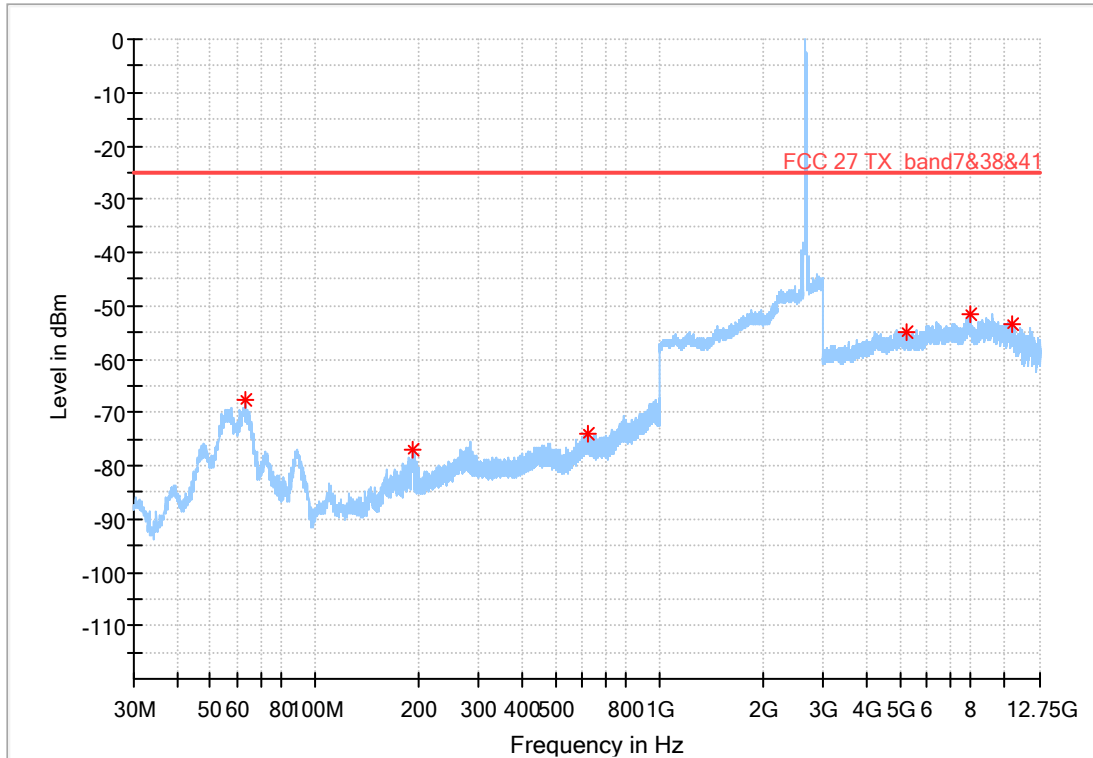


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7.1.2.1.5 Test Channel = 41292-41490_H

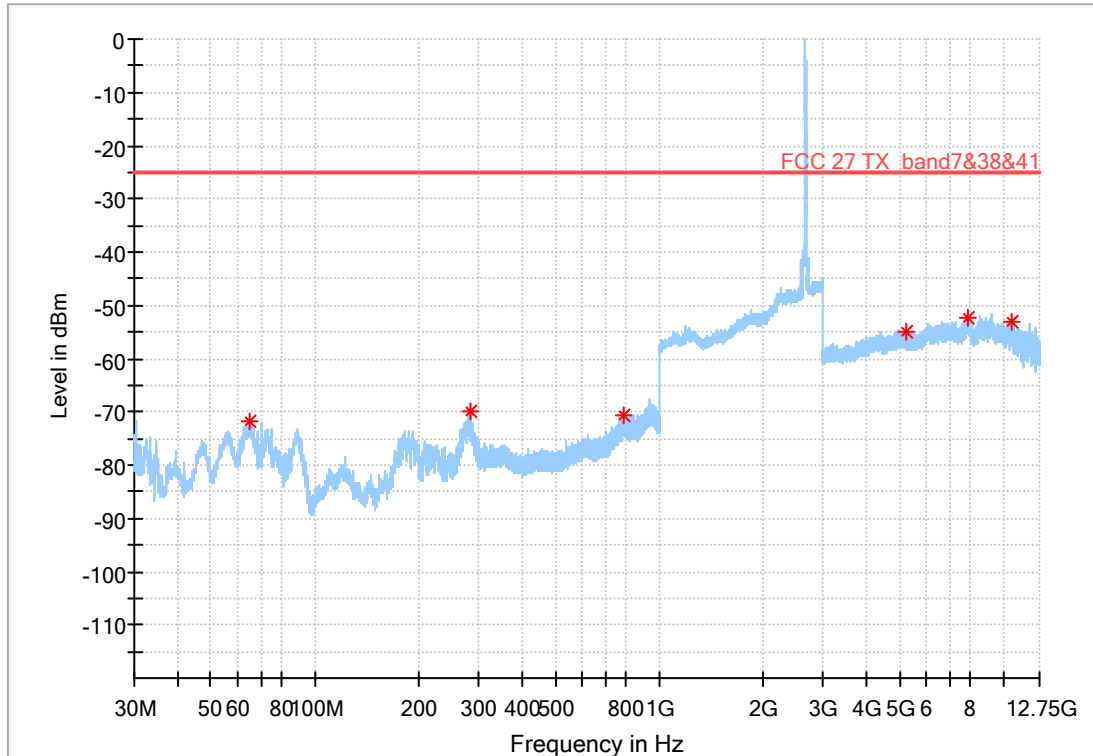
Full Spectrum



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7.1.2.1.6 Test Channel = 41292-41490_V

Full Spectrum



NOTE:

- 1) The disturbance above 12.75GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case had been displayed.
- 2) We have tested all combinations and all modulations, but only the worst case data presented in this report.



8 Frequency Stability

8.1 Frequency Error VS. Voltage

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
CA_41C	LTE/TM1 100RB+25RB	39750-39867	TN	VL	-9.47	-0.00371	PASS
				VN	1.56	0.00061	PASS
				VH	-8.67	-0.00339	PASS
		40595-40712	TN	VL	2.57	0.00099	PASS
				VN	5.99	0.00230	PASS
				VH	-6.83	-0.00263	PASS
		41440-41557	TN	VL	-5.49	-0.00208	PASS
				VN	-2.51	-0.00095	PASS
				VH	-7.77	-0.00294	PASS
	LTE/TM2 100RB+25RB	39750-39867	TN	VL	-0.25	-0.00010	PASS
				VN	7.68	0.00300	PASS
				VH	7.43	0.00291	PASS
		40595-40712	TN	VL	-0.14	-0.00006	PASS
				VN	8.61	0.00331	PASS
				VH	-5.64	-0.00217	PASS
		41440-41557	TN	VL	9.66	0.00366	PASS
				VN	-0.87	-0.00033	PASS
				VH	0.98	0.00037	PASS
	LTE/TM3 100RB+25RB	39750-39867	TN	VL	-5.80	-0.00227	PASS
				VN	-6.95	-0.00272	PASS
				VH	-7.15	-0.00280	PASS
		40595-40712	TN	VL	4.60	0.00177	PASS
				VN	-4.04	-0.00155	PASS
				VH	-4.65	-0.00179	PASS
		41440-41557	TN	VL	3.97	0.00150	PASS
				VN	-1.19	-0.00045	PASS
				VH	-9.10	-0.00345	PASS

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Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
CA_41C	LTE/TM1 100RB+100RB	39750-39948	TN	VL	0.07	0.00003	PASS
				VN	-4.95	-0.00194	PASS
				VH	-0.92	-0.00036	PASS
		40521-40719	TN	VL	-1.42	-0.00055	PASS
				VN	-5.03	-0.00194	PASS
				VH	-6.71	-0.00259	PASS
		41292-41490	TN	VL	6.98	0.00266	PASS
				VN	9.04	0.00344	PASS
				VH	2.91	0.00111	PASS
	LTE/TM2 100RB+100RB	39750-39948	TN	VL	-4.84	-0.00189	PASS
				VN	-1.03	-0.00040	PASS
				VH	-3.87	-0.00151	PASS
		40521-40719	TN	VL	7.66	0.00296	PASS
				VN	-5.06	-0.00196	PASS
				VH	-9.94	-0.00384	PASS
		41292-41490	TN	VL	-5.52	-0.00210	PASS
				VN	9.82	0.00374	PASS
				VH	-4.94	-0.00188	PASS
	LTE/TM3 100RB+100RB	39750-39948	TN	VL	-4.89	-0.00191	PASS
				VN	-8.14	-0.00319	PASS
				VH	4.00	0.00157	PASS
		40521-40719	TN	VL	5.04	0.00194	PASS
				VN	7.77	0.00300	PASS
				VH	2.41	0.00093	PASS
		41292-41490	TN	VL	5.87	0.00223	PASS
				VN	0.34	0.00013	PASS
				VH	5.00	0.00190	PASS

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8.2 Frequency Error VS. Temperature

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
CA_41C	LTE/TM1 100RB+25RB	39750-39867	VN	-30	3.66	0.00143	PASS
				-20	5.68	0.00222	PASS
				-10	-8.10	-0.00317	PASS
				0	5.67	0.00222	PASS
				10	-5.49	-0.00215	PASS
				20	4.05	0.00159	PASS
				30	8.12	0.00318	PASS
				40	3.61	0.00141	PASS
				50	-0.89	-0.00035	PASS
		40595-40712	VN	-30	-3.41	-0.00131	PASS
				-20	6.28	0.00242	PASS
				-10	-7.01	-0.00270	PASS
				0	4.64	0.00179	PASS
				10	-6.67	-0.00257	PASS
				20	-2.97	-0.00114	PASS
				30	5.70	0.00219	PASS
				40	-5.69	-0.00219	PASS
				50	-9.08	-0.00349	PASS
		41440-41557	VN	-30	1.26	0.00048	PASS
				-20	9.46	0.00358	PASS
				-10	4.32	0.00164	PASS
				0	9.91	0.00375	PASS
				10	-5.17	-0.00196	PASS
				20	-1.77	-0.00067	PASS
				30	2.95	0.00112	PASS
				40	-9.15	-0.00346	PASS
				50	-2.43	-0.00092	PASS

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Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
CA_41C	LTE/TM2 100RB+25RB	39750-39867	VN	-30	-4.24	-0.00166	PASS
				-20	-9.83	-0.00385	PASS
				-10	-1.14	-0.00045	PASS
				0	0.94	0.00037	PASS
				10	-0.03	-0.00001	PASS
				20	-7.03	-0.00275	PASS
				30	3.04	0.00119	PASS
				40	-0.40	-0.00016	PASS
		40595-40712	VN	-30	-9.70	-0.00373	PASS
				-20	-9.69	-0.00373	PASS
				-10	-0.80	-0.00031	PASS
				0	3.20	0.00123	PASS
				10	3.48	0.00134	PASS
				20	6.95	0.00268	PASS
				30	-3.41	-0.00131	PASS
				40	-5.71	-0.00220	PASS
		41440-41557	VN	-30	2.36	0.00089	PASS
				-20	-6.27	-0.00237	PASS
				-10	9.52	0.00361	PASS
				0	7.93	0.00300	PASS
				10	0.91	0.00034	PASS
				20	-5.83	-0.00221	PASS
				30	-3.87	-0.00146	PASS
				40	-0.78	-0.00029	PASS
		50	-9.38	-0.00355	PASS		

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Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
CA_41C	LTE/TM3 100RB+25RB	39750-39867	VN	-30	6.50	0.00255	PASS		
				-20	-9.74	-0.00381	PASS		
				-10	-1.77	-0.00069	PASS		
				0	-2.04	-0.00080	PASS		
				10	-3.07	-0.00120	PASS		
				20	-9.39	-0.00367	PASS		
				30	-8.54	-0.00334	PASS		
				40	6.19	0.00242	PASS		
				50	1.22	0.00048	PASS		
		40595-40712	VN	40595-40712	VN	-30	0.19	0.00007	PASS
						-20	-7.96	-0.00307	PASS
						-10	2.56	0.00098	PASS
						0	-0.59	-0.00023	PASS
						10	-5.09	-0.00196	PASS
						20	-0.10	-0.00004	PASS
						30	-8.24	-0.00317	PASS
						40	9.91	0.00382	PASS
						50	-7.96	-0.00306	PASS
		41440-41557	VN	41440-41557	VN	-30	2.55	0.00097	PASS
						-20	-3.60	-0.00136	PASS
						-10	-9.59	-0.00363	PASS
						0	6.87	0.00260	PASS
						10	3.51	0.00133	PASS
						20	8.11	0.00307	PASS
						30	1.90	0.00072	PASS
						40	-1.20	-0.00045	PASS
						50	1.96	0.00074	PASS

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Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
CA_41C	LTE/TM1 100RB+100RB	39750-39948	VN	-30	-4.06	-0.00159	PASS
				-20	8.05	0.00315	PASS
				-10	-0.16	-0.00006	PASS
				0	6.92	0.00271	PASS
				10	2.31	0.00090	PASS
				20	8.91	0.00349	PASS
				30	0.89	0.00035	PASS
				40	8.99	0.00352	PASS
		40521-40719	VN	-30	0.71	0.00027	PASS
				-20	-0.55	-0.00021	PASS
				-10	9.36	0.00361	PASS
				0	-2.11	-0.00081	PASS
				10	-9.32	-0.00360	PASS
				20	-5.89	-0.00227	PASS
				30	4.82	0.00186	PASS
				40	-5.68	-0.00219	PASS
		41292-41490	VN	-30	-9.80	-0.00373	PASS
				-20	-2.42	-0.00092	PASS
				-10	6.77	0.00258	PASS
				0	1.31	0.00050	PASS
				10	2.09	0.00080	PASS
				20	-4.84	-0.00184	PASS
				30	-1.87	-0.00071	PASS
				40	5.07	0.00193	PASS
		50	-5.64	-0.00215	PASS		

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Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
CA_41C	LTE/TM2 100RB+100RB	39750-39948	VN	-30	-8.68	-0.00340	PASS
				-20	-4.90	-0.00192	PASS
				-10	2.04	0.00080	PASS
				0	3.86	0.00151	PASS
				10	-4.83	-0.00189	PASS
				20	-5.33	-0.00209	PASS
				30	7.27	0.00284	PASS
				40	1.37	0.00054	PASS
		50	-5.51	-0.00216	PASS		
		40521-40719	VN	-30	5.49	0.00212	PASS
				-20	-7.75	-0.00299	PASS
				-10	-9.08	-0.00351	PASS
				0	7.19	0.00277	PASS
				10	-0.06	-0.00002	PASS
				20	5.99	0.00231	PASS
				30	-8.17	-0.00315	PASS
				40	7.46	0.00288	PASS
		50	-9.06	-0.00350	PASS		
		41292-41490	VN	-30	9.99	0.00381	PASS
				-20	8.71	0.00332	PASS
				-10	-4.69	-0.00179	PASS
				0	1.73	0.00066	PASS
				10	-6.96	-0.00265	PASS
				20	1.80	0.00069	PASS
30	0.03			0.00001	PASS		
40	5.74			0.00218	PASS		
50	-3.04	-0.00116	PASS				

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Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
CA_41C	LTE/TM3 100RB+100RB	39750-39948	VN	-30	-6.63	-0.00260	PASS
				-20	8.29	0.00325	PASS
				-10	-4.72	-0.00185	PASS
				0	-6.53	-0.00255	PASS
				10	-2.07	-0.00081	PASS
				20	-5.62	-0.00220	PASS
				30	7.08	0.00277	PASS
				40	-6.49	-0.00254	PASS
		50	-3.27	-0.00128	PASS		
		40521-40719	VN	-30	-2.26	-0.00087	PASS
				-20	-6.43	-0.00248	PASS
				-10	-0.55	-0.00021	PASS
				0	-4.98	-0.00192	PASS
				10	6.44	0.00249	PASS
				20	6.99	0.00270	PASS
				30	6.86	0.00265	PASS
				40	-4.27	-0.00165	PASS
		50	5.72	0.00221	PASS		
		41292-41490	VN	-30	0.31	0.00012	PASS
				-20	7.42	0.00283	PASS
				-10	-1.12	-0.00043	PASS
				0	6.31	0.00240	PASS
				10	-4.24	-0.00162	PASS
				20	3.45	0.00132	PASS
30	-4.00			-0.00152	PASS		
40	-1.64			-0.00062	PASS		
50	-3.49	-0.00133	PASS				

The End

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