



# Appendix B

## E-UTRA Band CA\_4A-5A





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# 1 Effective (Isotropic) Radiated Power Output Data

## 1.1.1. Max Power Test Result for LTE Band CA\_4A-5A

### PCC

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band4	15MHz	QPSK	20025	1RB#0	22.04	26.04	30	PASS
Band4	15MHz	QPSK	20025	1RB#38	22.44	26.44	30	PASS
Band4	15MHz	QPSK	20025	1RB#74	22.40	26.4	30	PASS
Band4	15MHz	QPSK	20025	36RB#39	21.47	25.47	30	PASS
Band4	15MHz	QPSK	20025	36RB#18	21.33	25.33	30	PASS
Band4	15MHz	QPSK	20025	36RB#0	21.56	25.56	30	PASS
Band4	15MHz	QPSK	20025	75RB#0	21.57	25.57	30	PASS
Band4	15MHz	QPSK	20175	1RB#74	22.34	26.34	30	PASS
Band4	15MHz	QPSK	20175	1RB#0	22.53	26.53	30	PASS
Band4	15MHz	QPSK	20175	1RB#38	22.22	26.22	30	PASS
Band4	15MHz	QPSK	20175	36RB#0	21.45	25.45	30	PASS
Band4	15MHz	QPSK	20175	36RB#39	21.49	25.49	30	PASS
Band4	15MHz	QPSK	20175	36RB#18	21.68	25.68	30	PASS
Band4	15MHz	QPSK	20175	75RB#0	21.64	25.64	30	PASS
Band4	15MHz	QPSK	20325	1RB#38	22.50	26.5	30	PASS
Band4	15MHz	QPSK	20325	1RB#0	22.47	26.47	30	PASS
Band4	15MHz	QPSK	20325	1RB#74	22.49	26.49	30	PASS
Band4	15MHz	QPSK	20325	36RB#39	21.67	25.67	30	PASS
Band4	15MHz	QPSK	20325	36RB#0	21.39	25.39	30	PASS
Band4	15MHz	QPSK	20325	36RB#18	21.54	25.54	30	PASS
Band4	15MHz	QPSK	20325	75RB#0	21.64	25.64	30	PASS
Band4	15MHz	64QAM	20025	1RB#74	21.86	25.86	30	PASS
Band4	15MHz	64QAM	20025	1RB#38	22.01	26.01	30	PASS
Band4	15MHz	64QAM	20025	1RB#0	21.86	25.86	30	PASS
Band4	15MHz	64QAM	20025	36RB#0	20.96	24.96	30	PASS
Band4	15MHz	64QAM	20025	36RB#18	20.97	24.97	30	PASS
Band4	15MHz	64QAM	20025	36RB#39	20.88	24.88	30	PASS





Band4	15MHz	64QAM	20025	75RB#0	20.77	24.77	30	PASS
Band4	15MHz	64QAM	20175	1RB#0	22.03	26.03	30	PASS
Band4	15MHz	64QAM	20175	1RB#38	21.97	25.97	30	PASS
Band4	15MHz	64QAM	20175	1RB#74	22.00	26	30	PASS
Band4	15MHz	64QAM	20175	36RB#0	20.82	24.82	30	PASS
Band4	15MHz	64QAM	20175	36RB#18	20.90	24.9	30	PASS
Band4	15MHz	64QAM	20175	36RB#39	20.87	24.87	30	PASS
Band4	15MHz	64QAM	20175	75RB#0	20.92	24.92	30	PASS
Band4	15MHz	64QAM	20325	1RB#38	21.88	25.88	30	PASS
Band4	15MHz	64QAM	20325	1RB#74	22.13	26.13	30	PASS
Band4	15MHz	64QAM	20325	1RB#0	22.13	26.13	30	PASS
Band4	15MHz	64QAM	20325	36RB#0	20.74	24.74	30	PASS
Band4	15MHz	64QAM	20325	36RB#18	20.77	24.77	30	PASS
Band4	15MHz	64QAM	20325	36RB#39	20.93	24.93	30	PASS
Band4	15MHz	64QAM	20325	75RB#0	21.04	25.04	30	PASS
Band4	15MHz	16QAM	20025	1RB#0	21.39	25.39	30	PASS
Band4	15MHz	16QAM	20025	1RB#38	21.72	25.72	30	PASS
Band4	15MHz	16QAM	20025	1RB#74	21.65	25.65	30	PASS
Band4	15MHz	16QAM	20025	36RB#0	20.45	24.45	30	PASS
Band4	15MHz	16QAM	20025	36RB#18	20.46	24.46	30	PASS
Band4	15MHz	16QAM	20025	36RB#39	20.38	24.38	30	PASS
Band4	15MHz	16QAM	20025	75RB#0	20.55	24.55	30	PASS
Band4	15MHz	16QAM	20175	1RB#38	21.89	25.89	30	PASS
Band4	15MHz	16QAM	20175	1RB#74	21.70	25.7	30	PASS
Band4	15MHz	16QAM	20175	1RB#0	21.68	25.68	30	PASS
Band4	15MHz	16QAM	20175	36RB#0	20.57	24.57	30	PASS
Band4	15MHz	16QAM	20175	36RB#18	20.62	24.62	30	PASS
Band4	15MHz	16QAM	20175	36RB#39	20.49	24.49	30	PASS
Band4	15MHz	16QAM	20175	75RB#0	20.53	24.53	30	PASS
Band4	15MHz	16QAM	20325	1RB#0	21.71	25.71	30	PASS
Band4	15MHz	16QAM	20325	1RB#38	21.66	25.66	30	PASS
Band4	15MHz	16QAM	20325	1RB#74	21.92	25.92	30	PASS
Band4	15MHz	16QAM	20325	36RB#39	20.55	24.55	30	PASS



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Band4	15MHz	16QAM	20325	36RB#0	20.61	24.61	30	PASS
Band4	15MHz	16QAM	20325	36RB#18	20.51	24.51	30	PASS
Band4	15MHz	16QAM	20325	75RB#0	20.63	24.63	30	PASS
Band4	20MHz	QPSK	20050	1RB#49	22.34	26.34	30	PASS
Band4	20MHz	QPSK	20050	1RB#99	22.50	26.5	30	PASS
Band4	20MHz	QPSK	20050	1RB#0	22.36	26.36	30	PASS
Band4	20MHz	QPSK	20050	50RB#0	21.49	25.49	30	PASS
Band4	20MHz	QPSK	20050	50RB#25	21.32	25.32	30	PASS
Band4	20MHz	QPSK	20050	50RB#50	21.62	25.62	30	PASS
Band4	20MHz	QPSK	20050	100RB#0	21.38	25.38	30	PASS
Band4	20MHz	QPSK	20175	1RB#99	22.67	26.67	30	PASS
Band4	20MHz	QPSK	20175	1RB#49	22.16	26.16	30	PASS
Band4	20MHz	QPSK	20175	1RB#0	22.43	26.43	30	PASS
Band4	20MHz	QPSK	20175	50RB#25	21.37	25.37	30	PASS
Band4	20MHz	QPSK	20175	50RB#0	21.31	25.31	30	PASS
Band4	20MHz	QPSK	20175	50RB#50	21.71	25.71	30	PASS
Band4	20MHz	QPSK	20175	100RB#0	21.48	25.48	30	PASS
Band4	20MHz	QPSK	20300	1RB#49	22.50	26.5	30	PASS
Band4	20MHz	QPSK	20300	1RB#0	22.20	26.2	30	PASS
Band4	20MHz	QPSK	20300	1RB#99	22.46	26.46	30	PASS
Band4	20MHz	QPSK	20300	50RB#25	21.44	25.44	30	PASS
Band4	20MHz	QPSK	20300	50RB#50	21.62	25.62	30	PASS
Band4	20MHz	QPSK	20300	50RB#0	21.31	25.31	30	PASS
Band4	20MHz	QPSK	20300	100RB#0	21.73	25.73	30	PASS
Band4	20MHz	64QAM	20050	1RB#0	21.57	25.57	30	PASS
Band4	20MHz	64QAM	20050	1RB#49	21.88	25.88	30	PASS
Band4	20MHz	64QAM	20050	1RB#99	22.00	26	30	PASS
Band4	20MHz	64QAM	20050	50RB#0	21.08	25.08	30	PASS
Band4	20MHz	64QAM	20050	50RB#25	20.77	24.77	30	PASS
Band4	20MHz	64QAM	20050	50RB#50	21.00	25	30	PASS
Band4	20MHz	64QAM	20050	100RB#0	20.89	24.89	30	PASS
Band4	20MHz	64QAM	20175	1RB#99	21.97	25.97	30	PASS
Band4	20MHz	64QAM	20175	1RB#0	21.92	25.92	30	PASS



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Band4	20MHz	64QAM	20175	1RB#49	22.11	26.11	30	PASS
Band4	20MHz	64QAM	20175	50RB#25	20.87	24.87	30	PASS
Band4	20MHz	64QAM	20175	50RB#50	21.15	25.15	30	PASS
Band4	20MHz	64QAM	20175	50RB#0	20.92	24.92	30	PASS
Band4	20MHz	64QAM	20175	100RB#0	20.95	24.95	30	PASS
Band4	20MHz	64QAM	20300	1RB#49	22.00	26	30	PASS
Band4	20MHz	64QAM	20300	1RB#99	21.98	25.98	30	PASS
Band4	20MHz	64QAM	20300	1RB#0	22.21	26.21	30	PASS
Band4	20MHz	64QAM	20300	50RB#50	20.84	24.84	30	PASS
Band4	20MHz	64QAM	20300	50RB#0	20.93	24.93	30	PASS
Band4	20MHz	64QAM	20300	50RB#25	21.10	25.1	30	PASS
Band4	20MHz	64QAM	20300	100RB#0	20.92	24.92	30	PASS
Band4	20MHz	16QAM	20050	1RB#99	21.57	25.57	30	PASS
Band4	20MHz	16QAM	20050	1RB#0	21.69	25.69	30	PASS
Band4	20MHz	16QAM	20050	1RB#49	21.62	25.62	30	PASS
Band4	20MHz	16QAM	20050	50RB#0	20.58	24.58	30	PASS
Band4	20MHz	16QAM	20050	50RB#25	20.55	24.55	30	PASS
Band4	20MHz	16QAM	20050	50RB#50	20.33	24.33	30	PASS
Band4	20MHz	16QAM	20050	100RB#0	20.45	24.45	30	PASS
Band4	20MHz	16QAM	20175	1RB#99	21.96	25.96	30	PASS
Band4	20MHz	16QAM	20175	1RB#49	21.55	25.55	30	PASS
Band4	20MHz	16QAM	20175	1RB#0	21.62	25.62	30	PASS
Band4	20MHz	16QAM	20175	50RB#25	20.65	24.65	30	PASS
Band4	20MHz	16QAM	20175	50RB#0	20.62	24.62	30	PASS
Band4	20MHz	16QAM	20175	50RB#50	20.48	24.48	30	PASS
Band4	20MHz	16QAM	20175	100RB#0	20.35	24.35	30	PASS
Band4	20MHz	16QAM	20300	1RB#99	21.68	25.68	30	PASS
Band4	20MHz	16QAM	20300	1RB#49	21.83	25.83	30	PASS
Band4	20MHz	16QAM	20300	1RB#0	21.82	25.82	30	PASS
Band4	20MHz	16QAM	20300	50RB#50	20.53	24.53	30	PASS
Band4	20MHz	16QAM	20300	50RB#25	20.63	24.63	30	PASS
Band4	20MHz	16QAM	20300	50RB#0	20.44	24.44	30	PASS
Band4	20MHz	16QAM	20300	100RB#0	20.33	24.33	30	PASS





**SCC**

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band5	10MHz	QPSK	20450	1RB#0	22.54	23.39	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#24	22.45	23.3	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	22.52	23.37	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#12	21.53	22.38	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#0	21.44	22.29	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#25	21.48	22.33	38.45	PASS
Band5	10MHz	QPSK	20450	50RB#0	21.63	22.48	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	22.40	23.25	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	22.74	23.59	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	22.25	23.1	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#0	21.74	22.59	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#12	21.54	22.39	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#25	21.66	22.51	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	21.56	22.41	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#24	22.42	23.27	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	22.48	23.33	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	22.19	23.04	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#12	21.56	22.41	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#0	21.57	22.42	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#25	21.62	22.47	38.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	21.44	22.29	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#0	22.13	22.98	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#24	21.80	22.65	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#49	21.87	22.72	38.45	PASS
Band5	10MHz	64QAM	20450	25RB#25	21.02	21.87	38.45	PASS
Band5	10MHz	64QAM	20450	25RB#0	21.05	21.9	38.45	PASS
Band5	10MHz	64QAM	20450	25RB#12	20.93	21.78	38.45	PASS
Band5	10MHz	64QAM	20450	50RB#0	20.99	21.84	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#0	22.01	22.86	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#24	22.05	22.9	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#49	22.17	23.02	38.45	PASS
Band5	10MHz	64QAM	20525	25RB#0	21.17	22.02	38.45	PASS
Band5	10MHz	64QAM	20525	25RB#12	21.02	21.87	38.45	PASS
Band5	10MHz	64QAM	20525	25RB#25	21.09	21.94	38.45	PASS
Band5	10MHz	64QAM	20525	50RB#0	21.04	21.89	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#49	21.92	22.77	38.45	PASS







Band5	10MHz	64QAM	20600	1RB#0	22.26	23.11	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#24	21.89	22.74	38.45	PASS
Band5	10MHz	64QAM	20600	25RB#0	20.83	21.68	38.45	PASS
Band5	10MHz	64QAM	20600	25RB#25	20.79	21.64	38.45	PASS
Band5	10MHz	64QAM	20600	25RB#12	20.75	21.6	38.45	PASS
Band5	10MHz	64QAM	20600	50RB#0	20.93	21.78	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	21.65	22.5	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	21.81	22.66	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#49	21.87	22.72	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#0	20.33	21.18	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#12	20.54	21.39	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#25	20.45	21.3	38.45	PASS
Band5	10MHz	16QAM	20450	50RB#0	20.65	21.5	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#0	21.55	22.4	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	21.73	22.58	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	21.63	22.48	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#0	20.46	21.31	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#12	20.77	21.62	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#25	20.34	21.19	38.45	PASS
Band5	10MHz	16QAM	20525	50RB#0	20.63	21.48	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	21.88	22.73	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	21.72	22.57	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#24	21.59	22.44	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#25	20.39	21.24	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#12	20.32	21.17	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#0	20.44	21.29	38.45	PASS
Band5	10MHz	16QAM	20600	50RB#0	20.54	21.39	38.45	PASS

**Remark:**

a: For getting the EIRP (Efficient Isotropic Radiated Power), the following formula should be taken to calculate it,  
 $ERP [dBm] = \text{Conducted Power} [dBm] + \text{Gain} [dBd]$   
 $EIRP [dBm] = \text{Conducted Power} [dBm] + \text{Gain} [dBi]$



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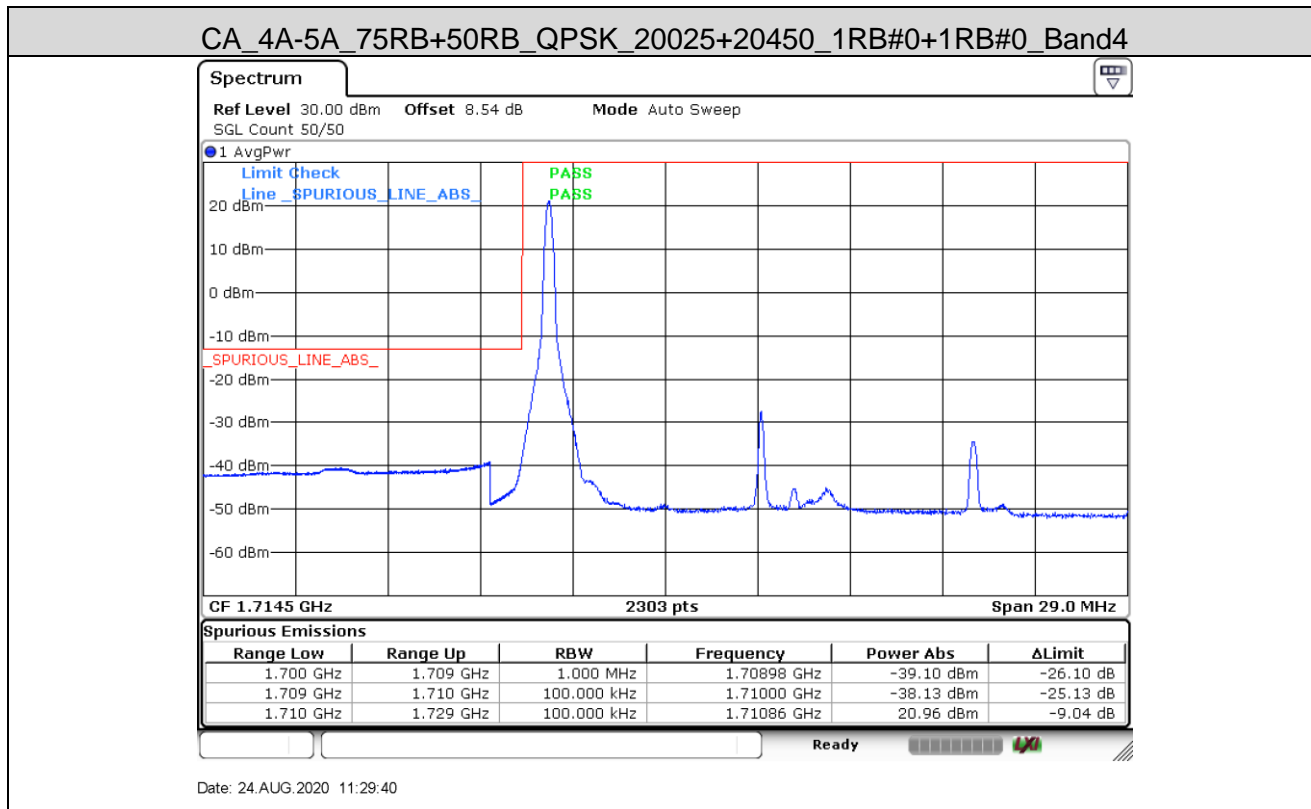
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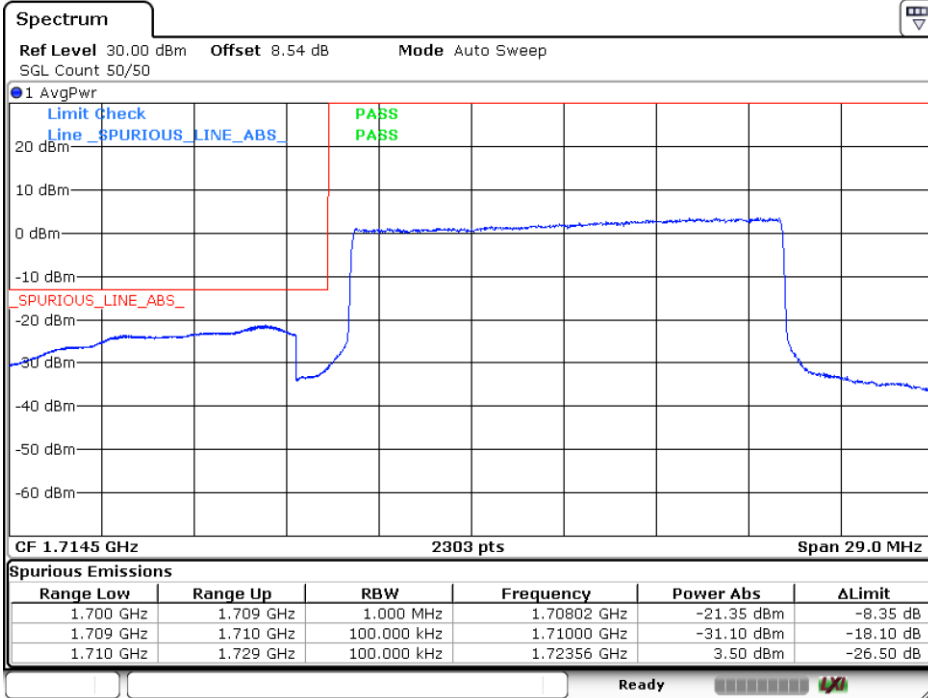
## 2 Band Edges Compliance

### 1.1.2. For LTE

#### 2.1.1 Test Band = LTE Band CA\_4A-5A

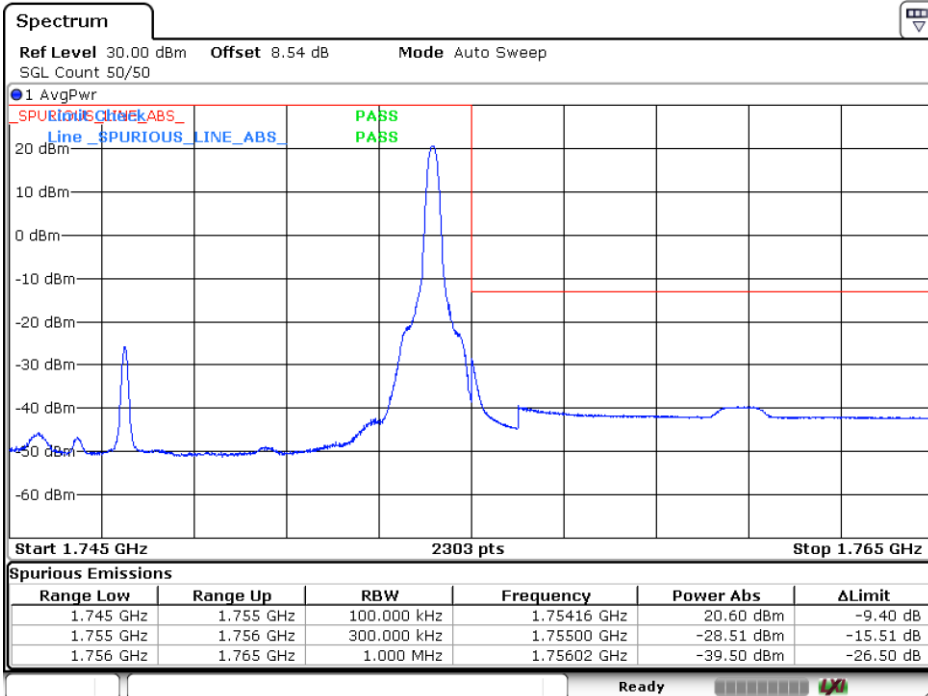


## CA\_4A-5A\_75RB+50RB\_QPSK\_20025+20450\_75RB#0+50RB#0\_Band4



Date: 24.AUG.2020 11:30:11

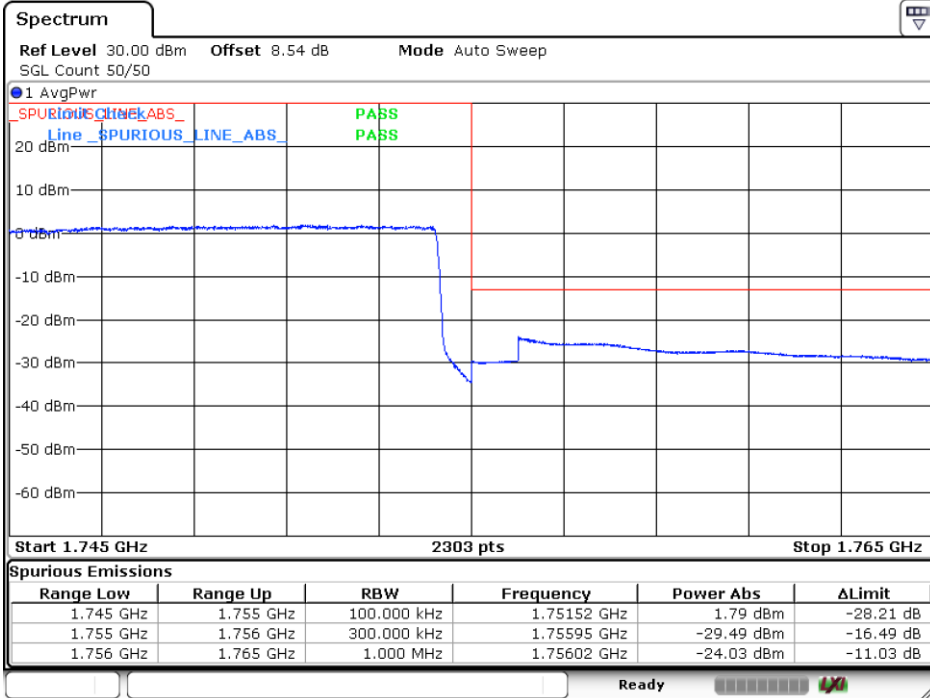
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Date: 24.AUG.2020 11:17:46

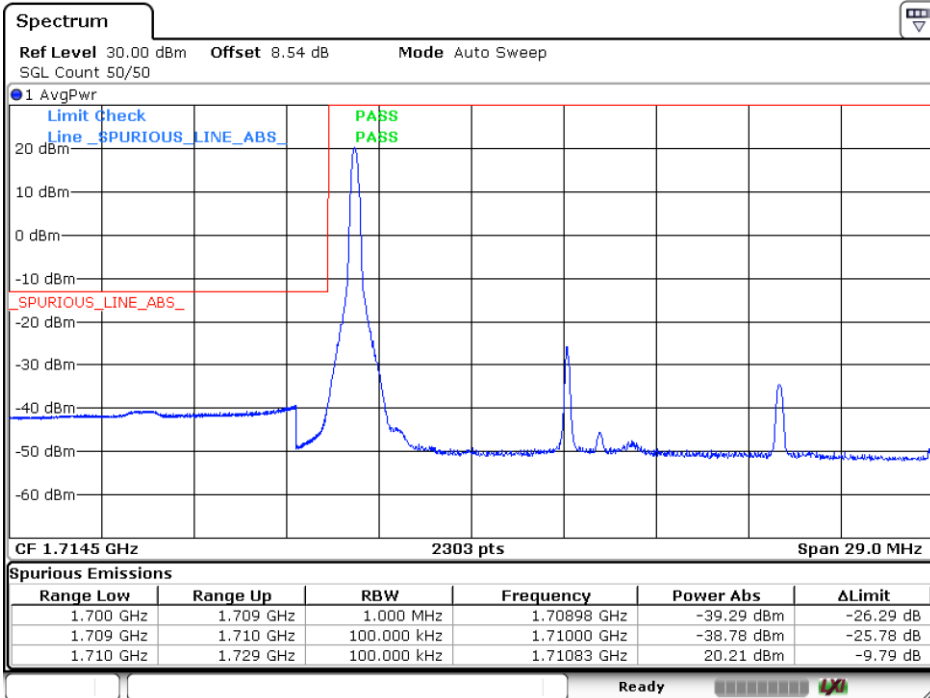


## CA\_4A-5A\_75RB+50RB\_QPSK\_20325+20600\_75RB#0+50RB#0\_Band4



Date: 24.AUG.2020 11:17:06

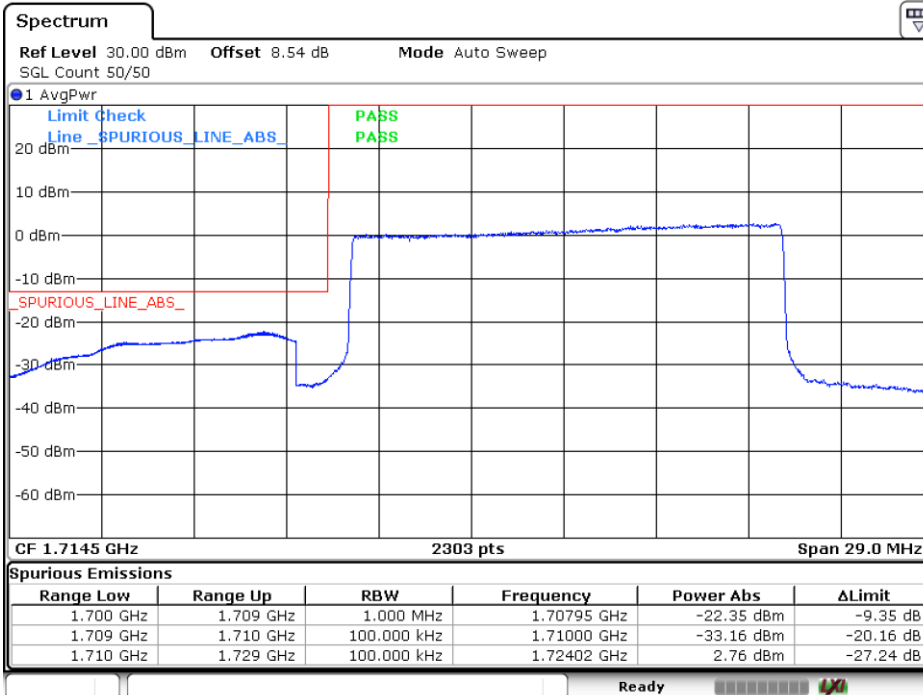
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Date: 24.AUG.2020 11:28:22

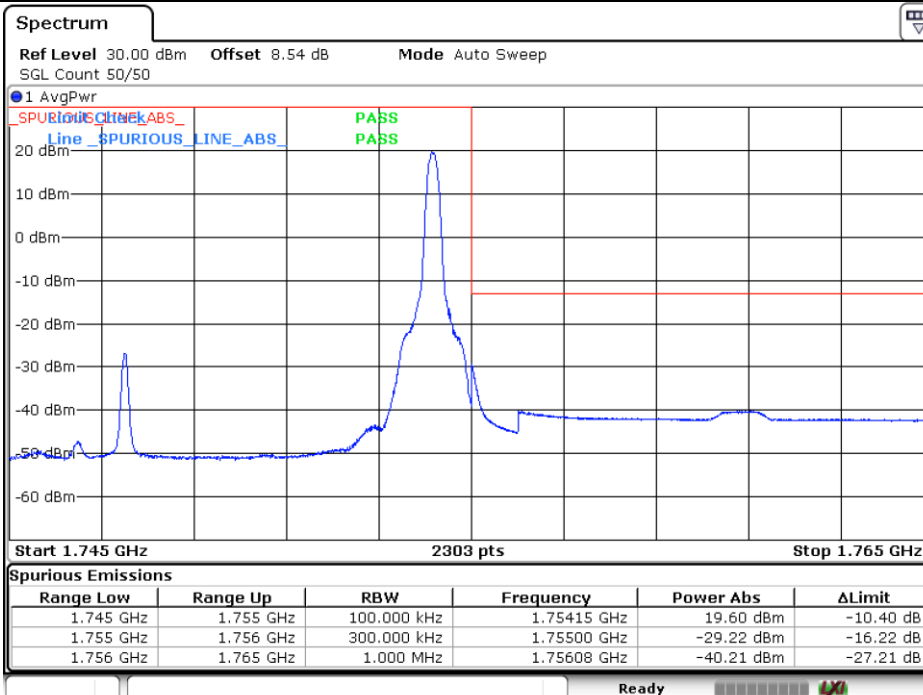


## CA\_4A-5A\_75RB+50RB\_16QAM\_20025+20450\_75RB#0+50RB#0\_Band4



Date: 24.AUG.2020 11:31:15

## CA\_4A-5A\_75RB+50RB\_16QAM\_20325+20600\_1RB#74+1RB#49\_Band4

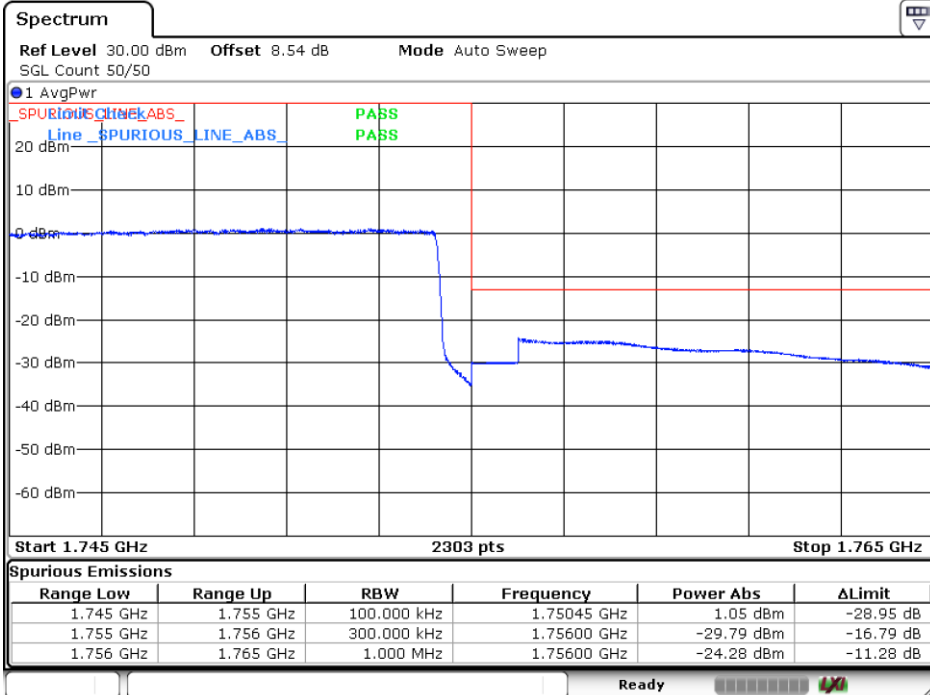


Date: 24.AUG.2020 11:18:17



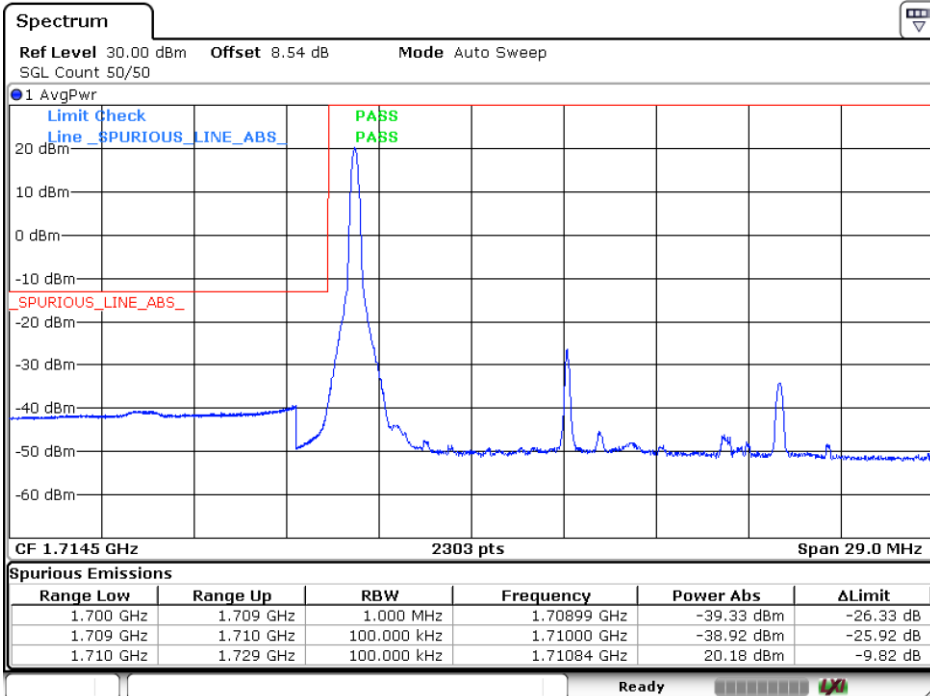


## CA\_4A-5A\_75RB+50RB\_16QAM\_20325+20600\_75RB#0+50RB#0\_Band4



Date: 24.AUG.2020 11:16:10

## CA\_4A-5A\_75RB+50RB\_64QAM\_20025+20450\_1RB#0+1RB#0\_Band4



Date: 24.AUG.2020 11:34:43

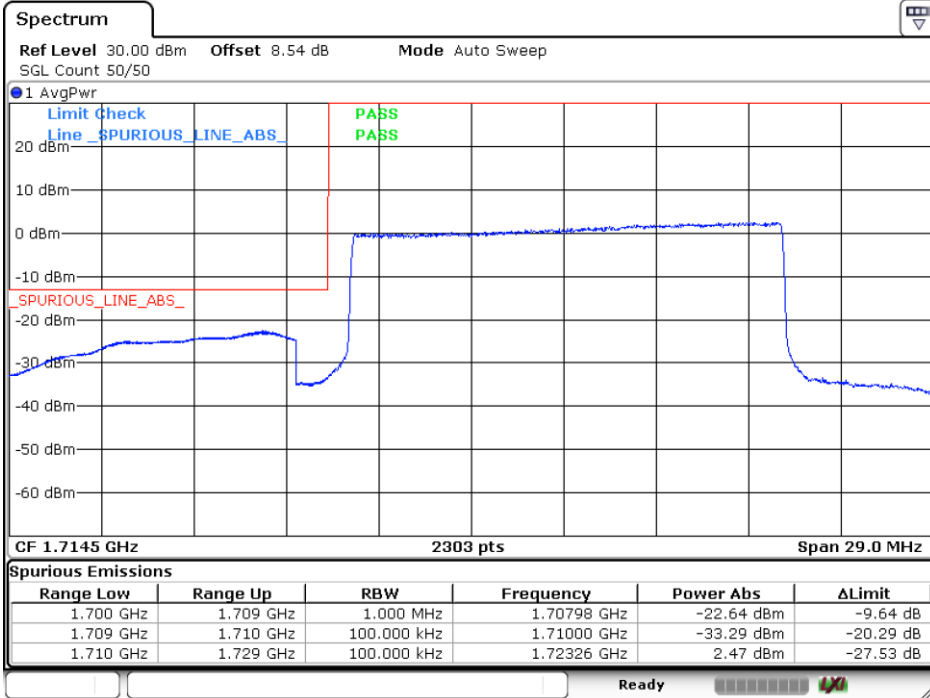
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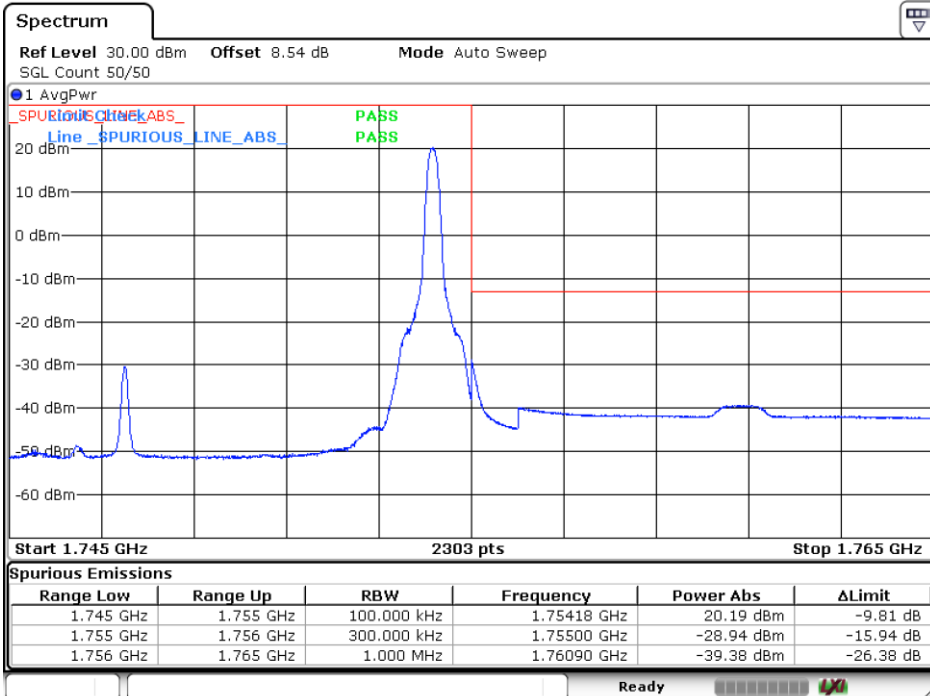
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## CA\_4A-5A\_75RB+50RB\_64QAM\_20025+20450\_75RB#0+50RB#0\_Band4



Date: 24.AUG.2020 11:34:05

## CA\_4A-5A\_75RB+50RB\_64QAM\_20325+20600\_1RB#74+1RB#49\_Band4



Date: 24.AUG.2020 11:38:44

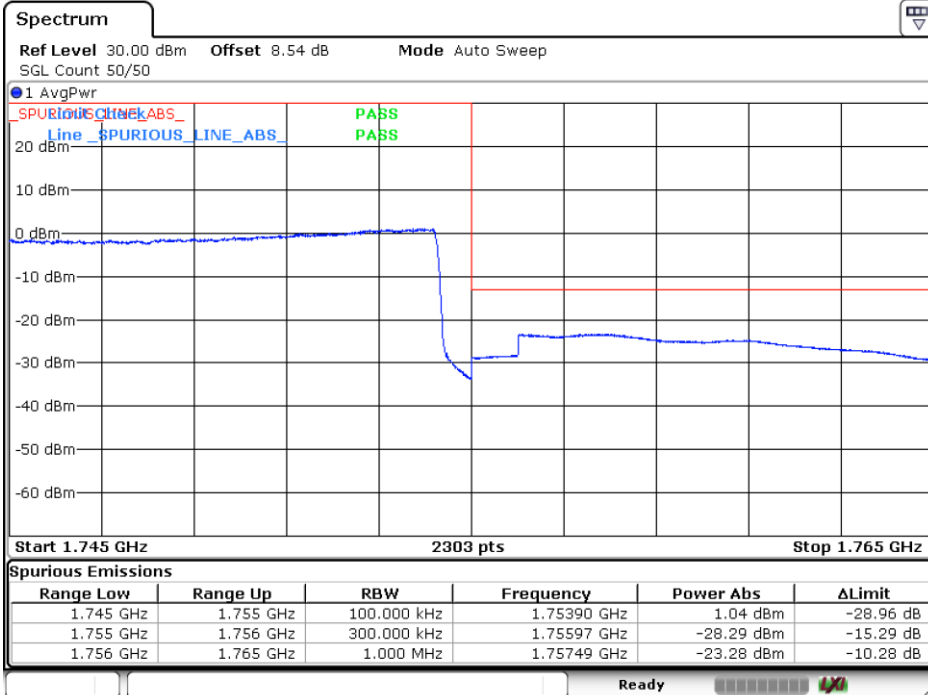


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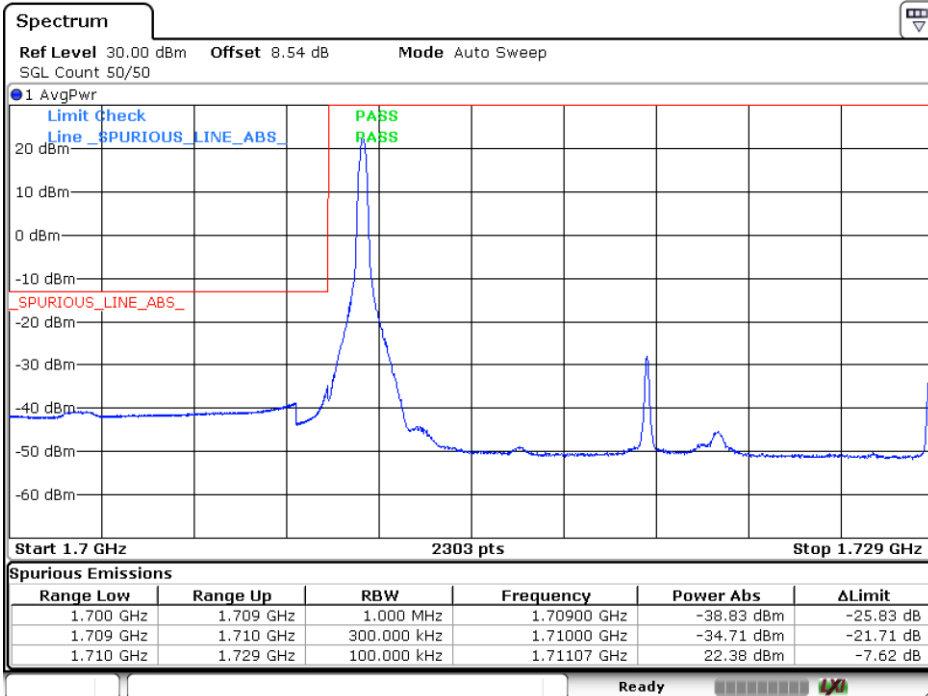
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## CA\_4A-5A\_75RB+50RB\_64QAM\_20325+20600\_75RB#0+50RB#0\_Band4



Date: 24.AUG.2020 11:39:29

## CA\_4A-5A\_100RB+50RB\_QPSK\_20050+20450\_1RB#0+1RB#0\_Band4



Date: 24.AUG.2020 11:06:35

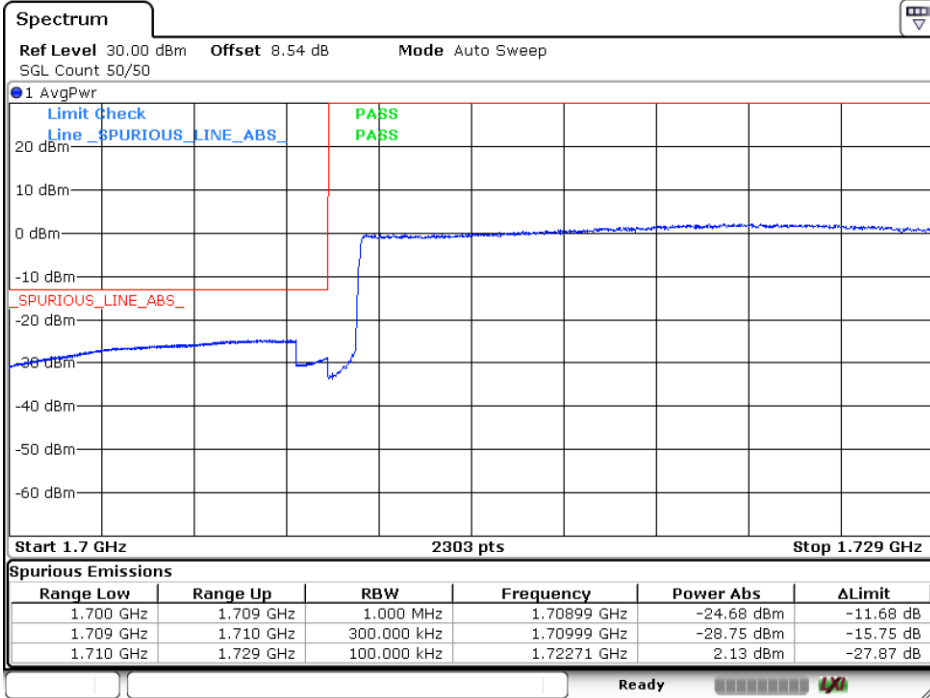
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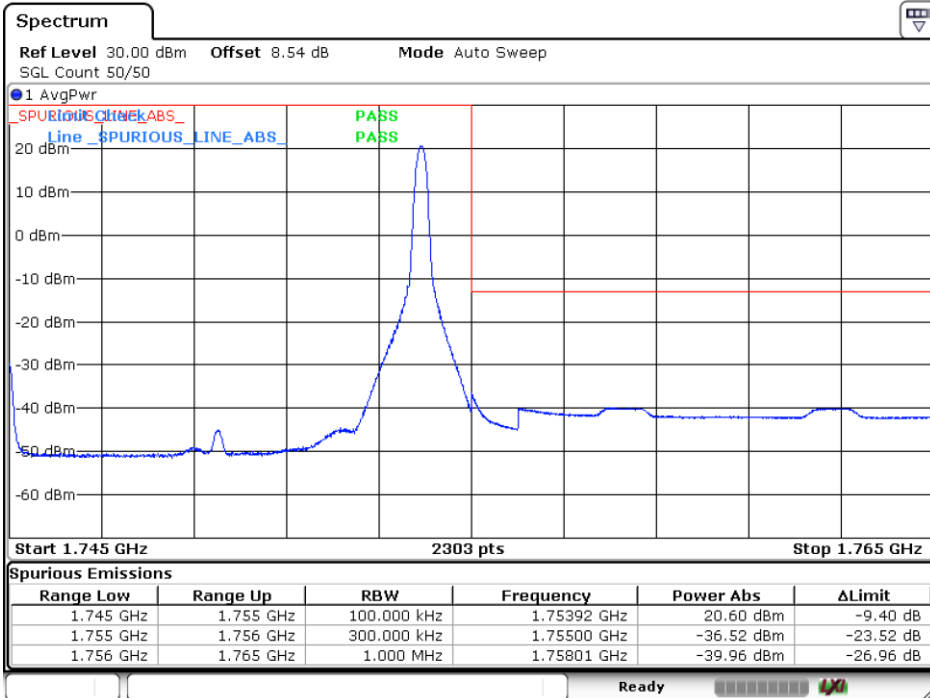
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## CA\_4A-5A\_100RB+50RB\_QPSK\_20050+20450\_100RB#0+50RB#0\_Band4



Date: 24.AUG.2020 11:00:02

## CA\_4A-5A\_100RB+50RB\_QPSK\_20300+20600\_1RB#99+1RB#49\_Band4

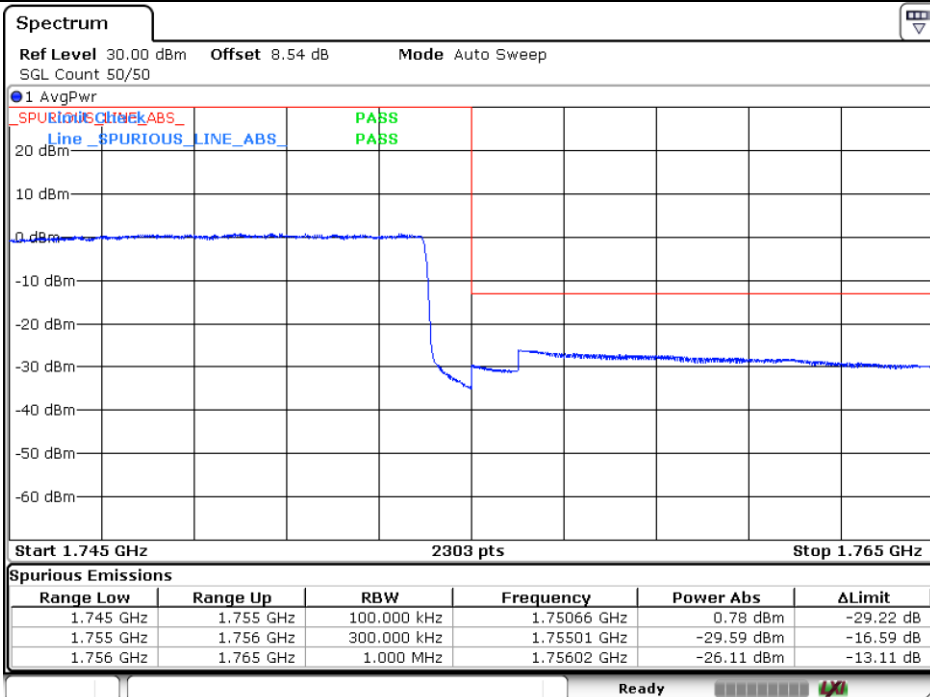


Date: 24.AUG.2020 10:49:33



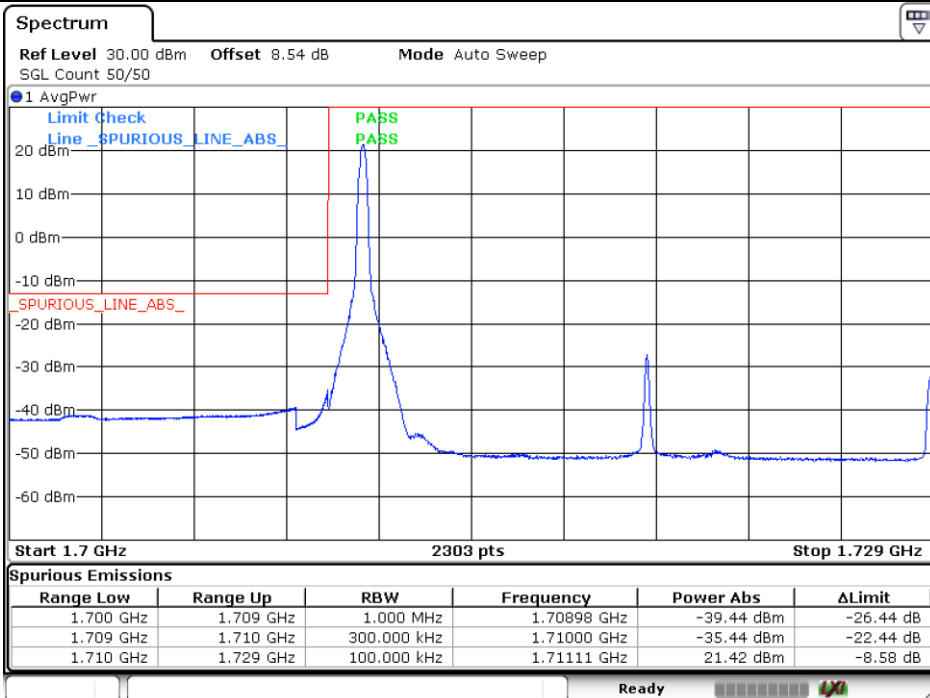


## CA\_4A-5A\_100RB+50RB\_QPSK\_20300+20600\_100RB#0+50RB#0\_Band4



Date: 24.AUG.2020 10:52:04

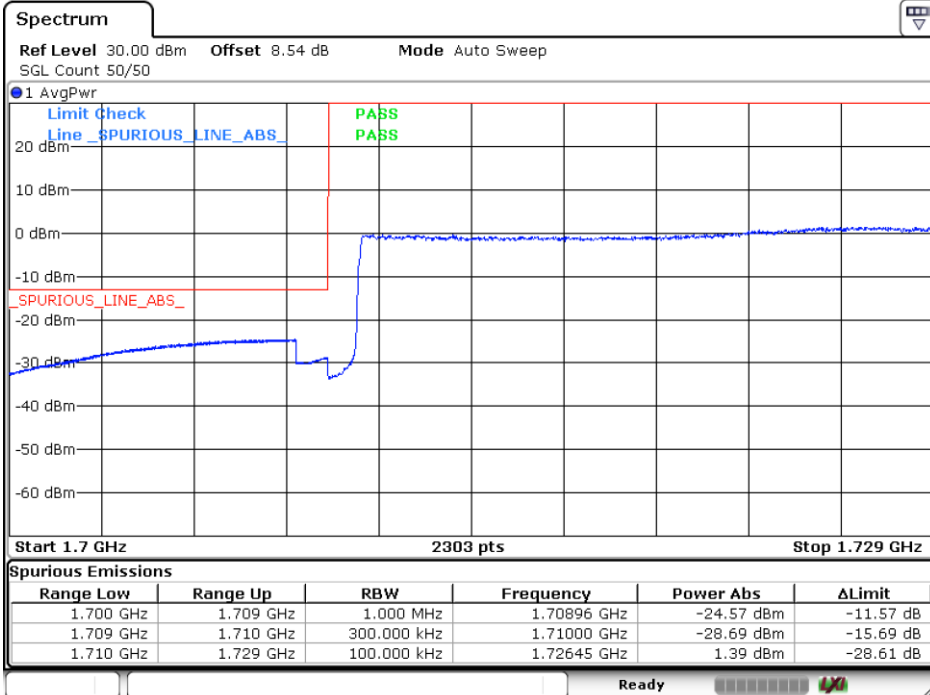
## CA\_4A-5A\_100RB+50RB\_16QAM\_20050+20450\_1RB#0+1RB#0\_Band4



Date: 24.AUG.2020 11:06:03

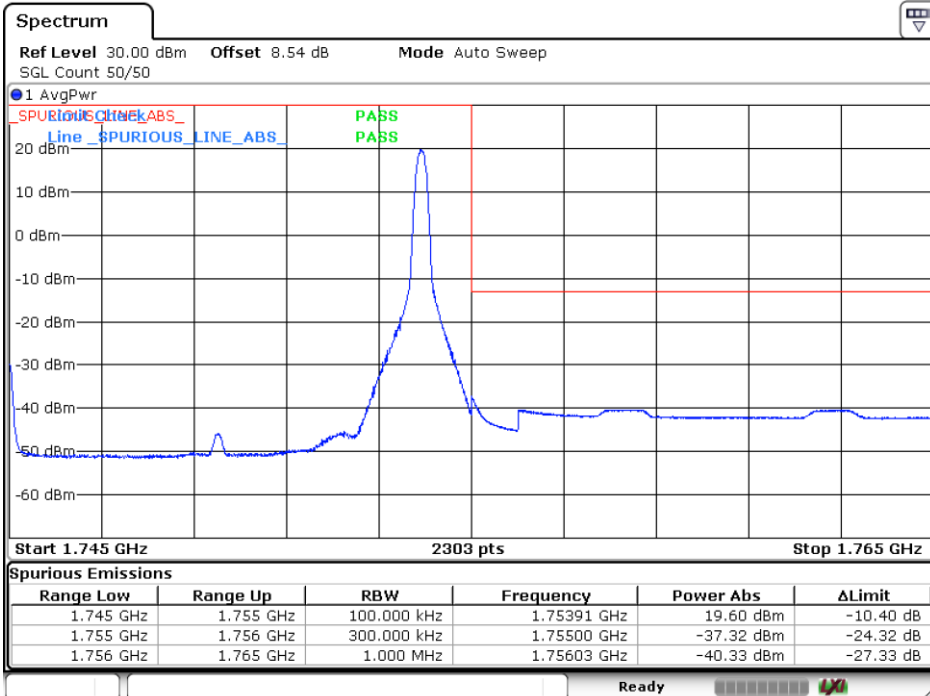


## CA\_4A-5A\_100RB+50RB\_16QAM\_20050+20450\_100RB#0+50RB#0\_Band4



Date: 24.AUG.2020 11:01:01

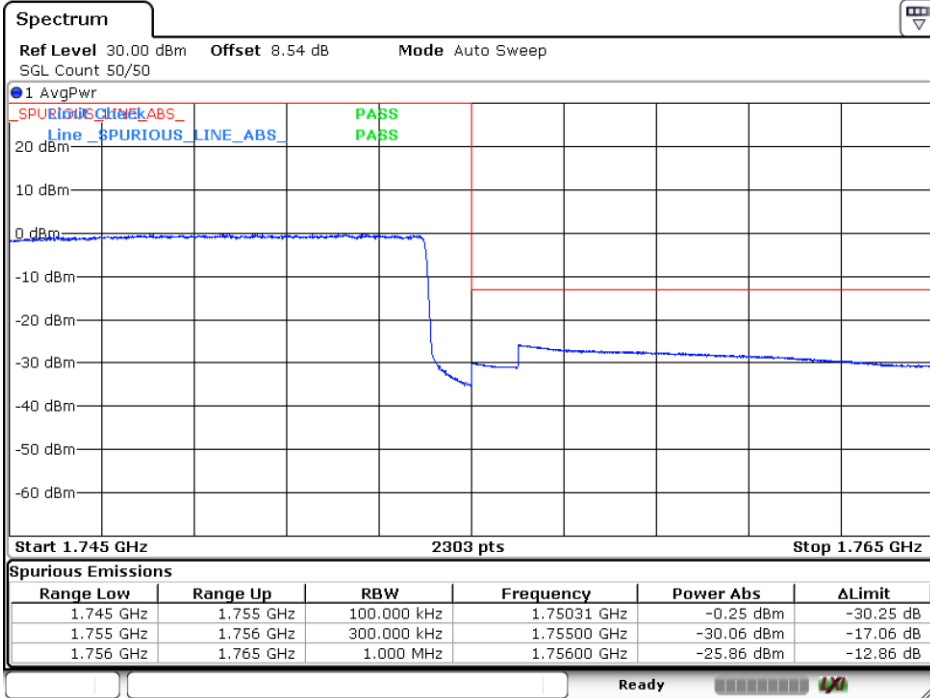
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Date: 24.AUG.2020 10:49:03

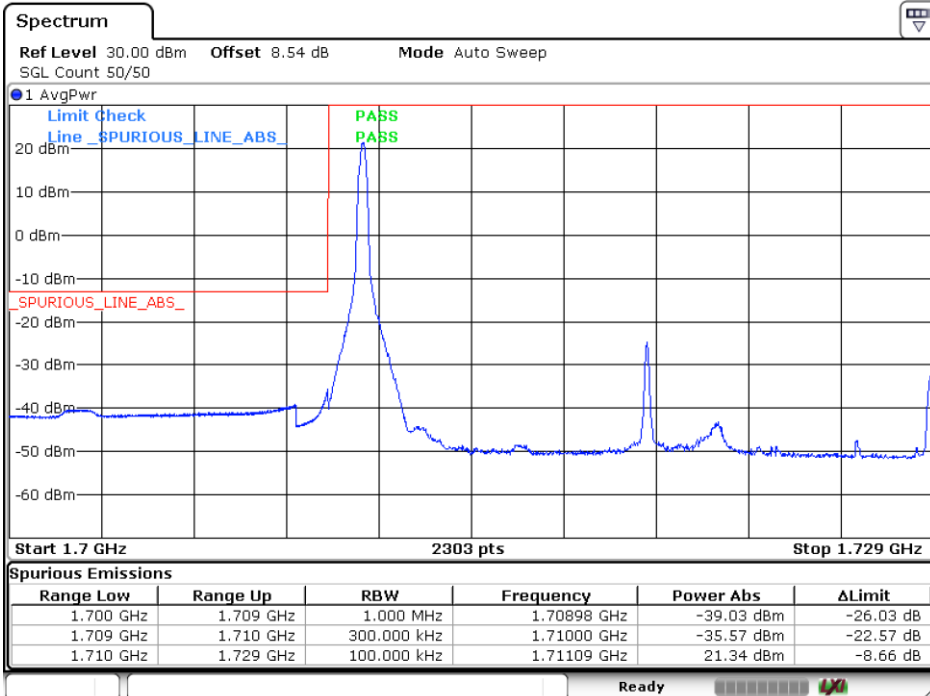


## CA\_4A-5A\_100RB+50RB\_16QAM\_20300+20600\_100RB#0+50RB#0\_Band4



Date: 24.AUG.2020 10:47:57

## CA\_4A-5A\_100RB+50RB\_64QAM\_20050+20450\_1RB#0+1RB#0\_Band4



Date: 24.AUG.2020 11:50:48

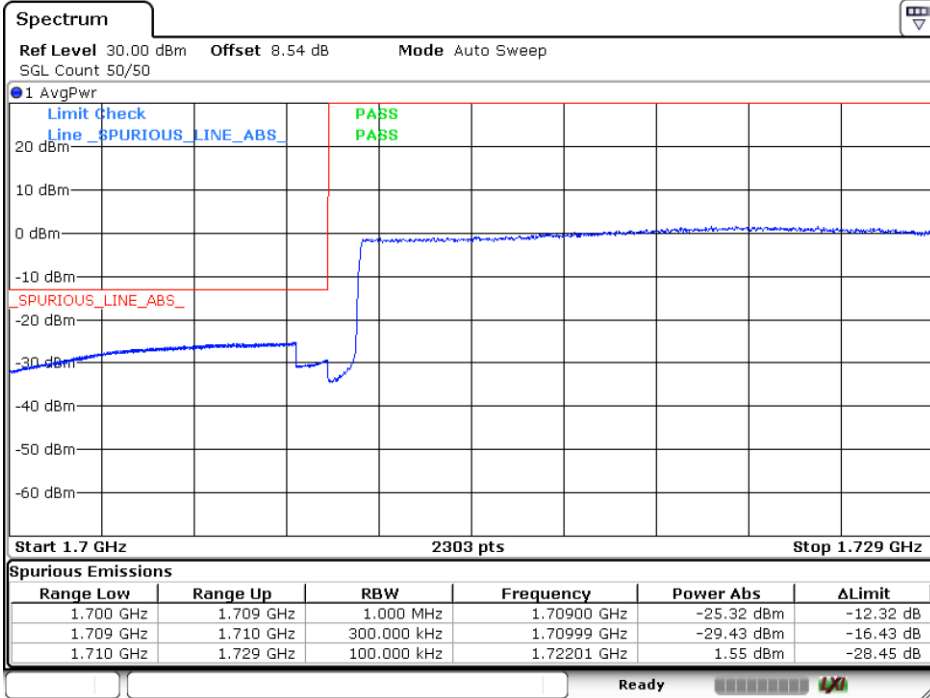


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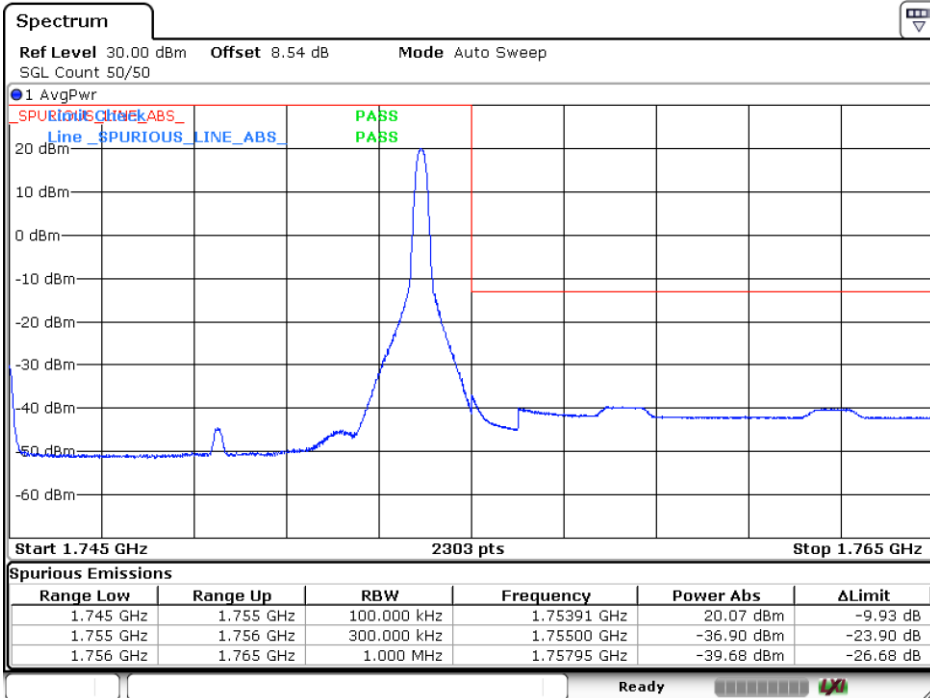
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## CA\_4A-5A\_100RB+50RB\_64QAM\_20050+20450\_100RB#0+50RB#0\_Band4



Date: 24.AUG.2020 11:49:26

## CA\_4A-5A\_100RB+50RB\_64QAM\_20300+20600\_1RB#99+1RB#49\_Band4

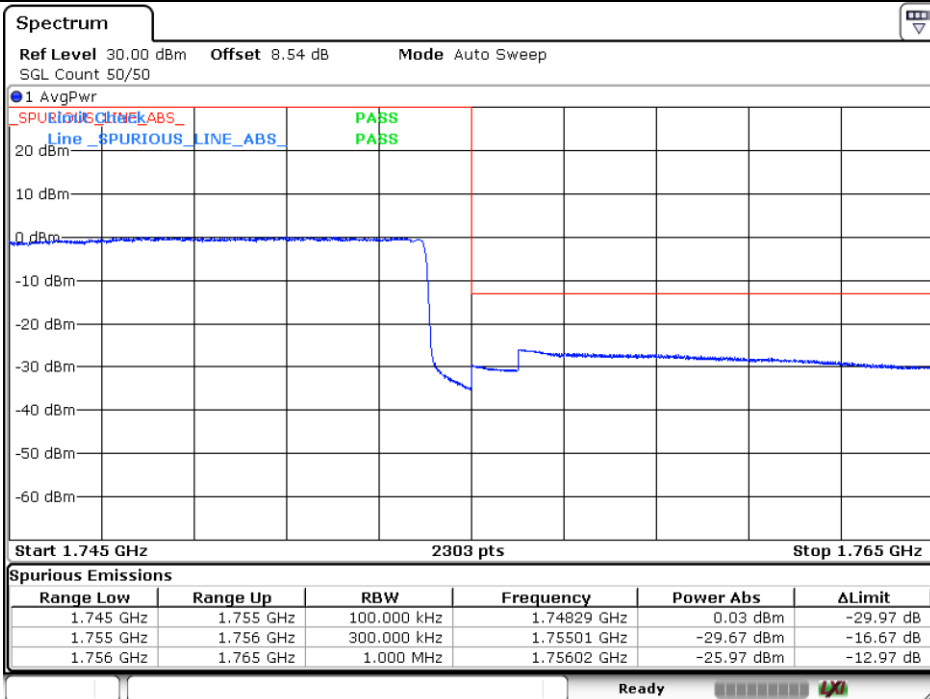


Date: 24.AUG.2020 11:46:16



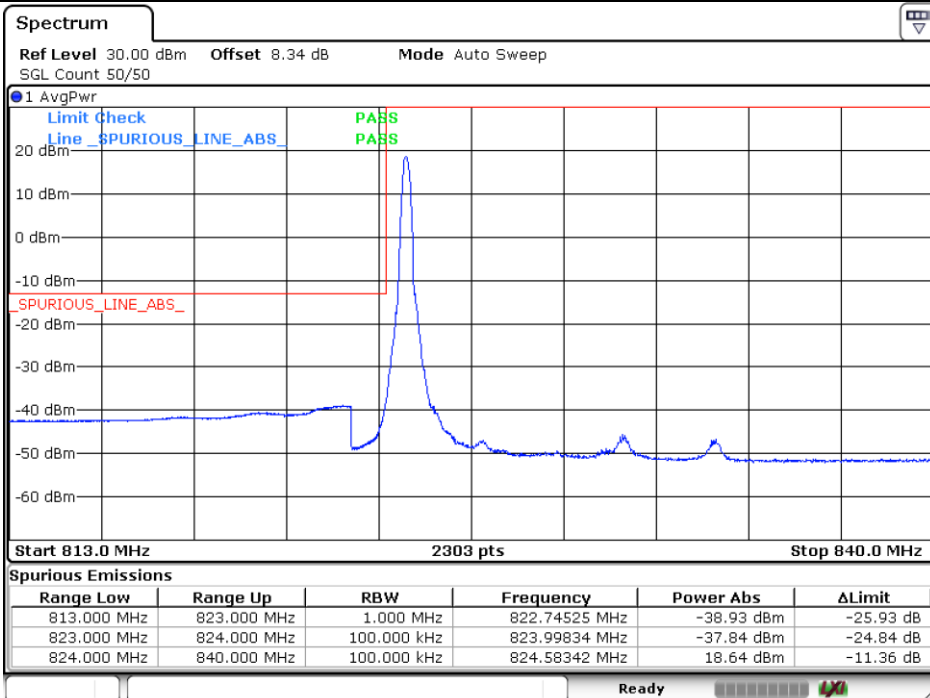


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Date: 24.AUG.2020 11:47:34

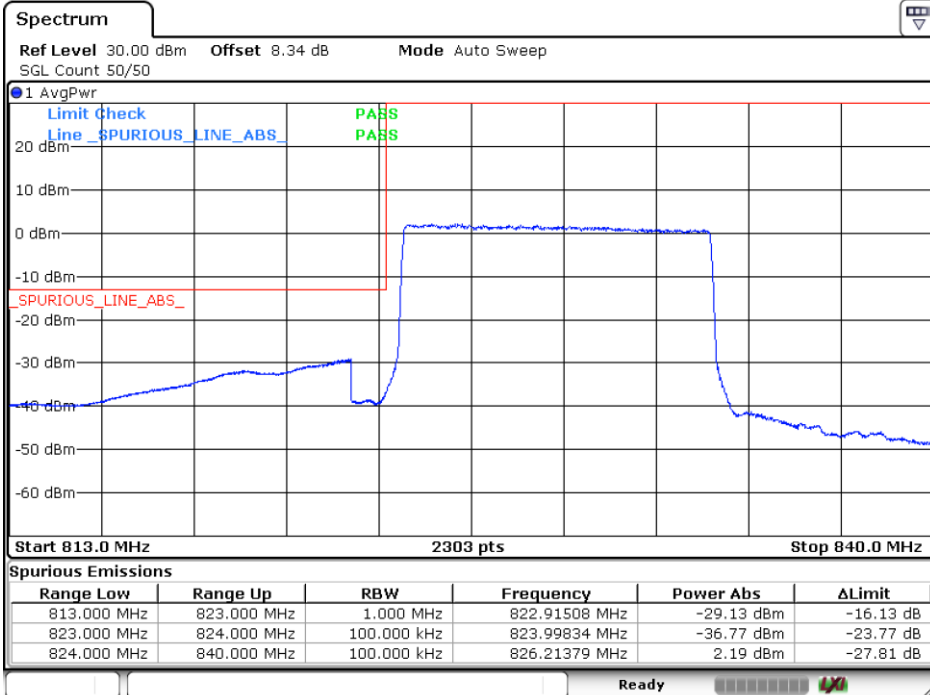
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Date: 24.AUG.2020 11:26:22

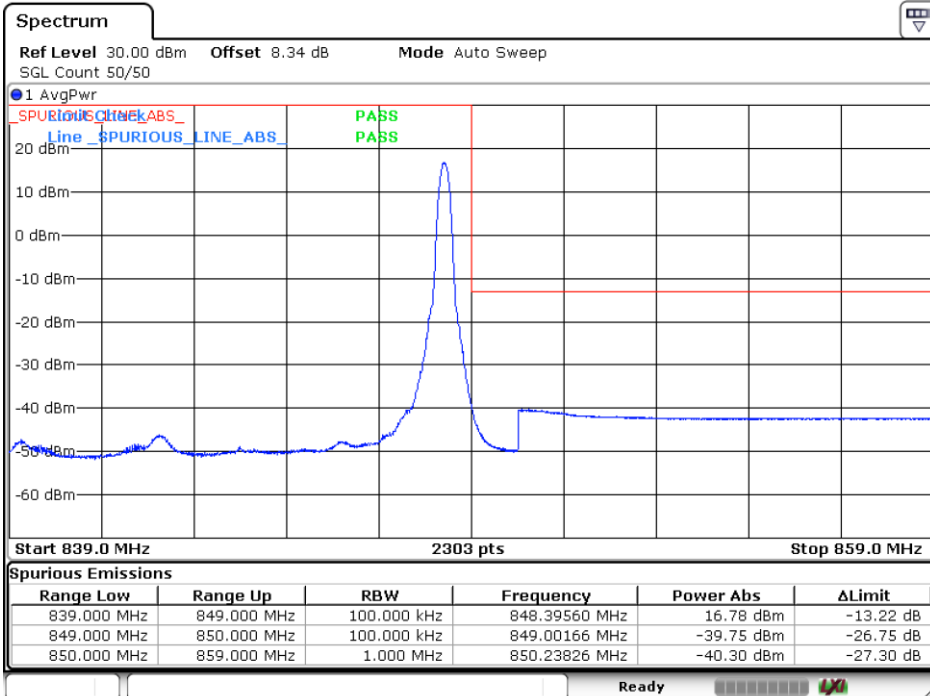


## CA\_4A-5A\_75RB+50RB\_QPSK\_20025+20450\_75RB#0+50RB#0\_Band5



Date: 24.AUG.2020 11:25:44

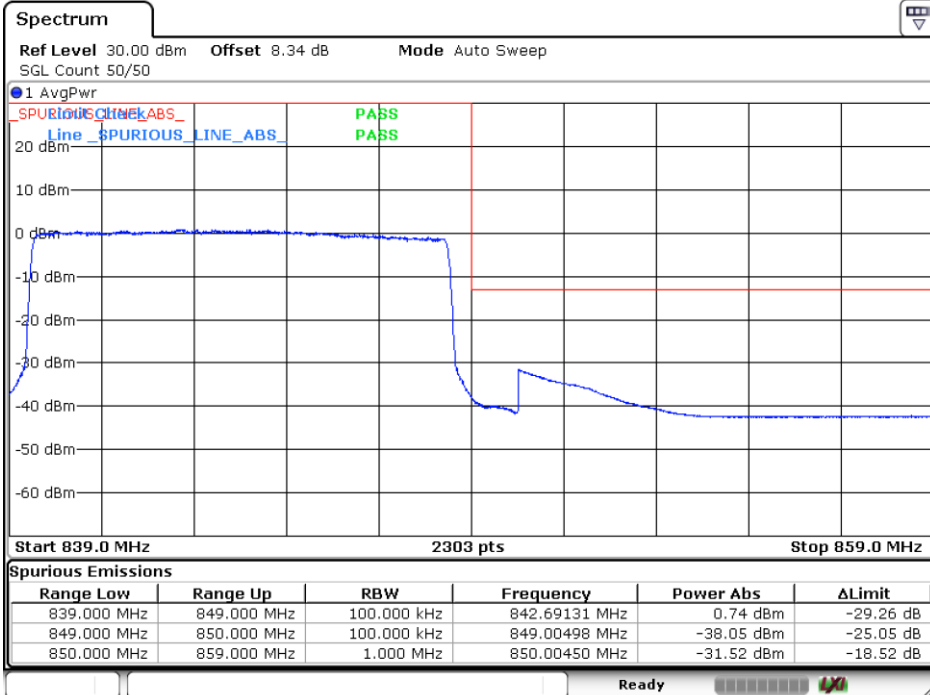
## CA\_4A-5A\_75RB+50RB\_QPSK\_20325+20600\_1RB#74+1RB#49\_Band5



Date: 24.AUG.2020 11:19:58

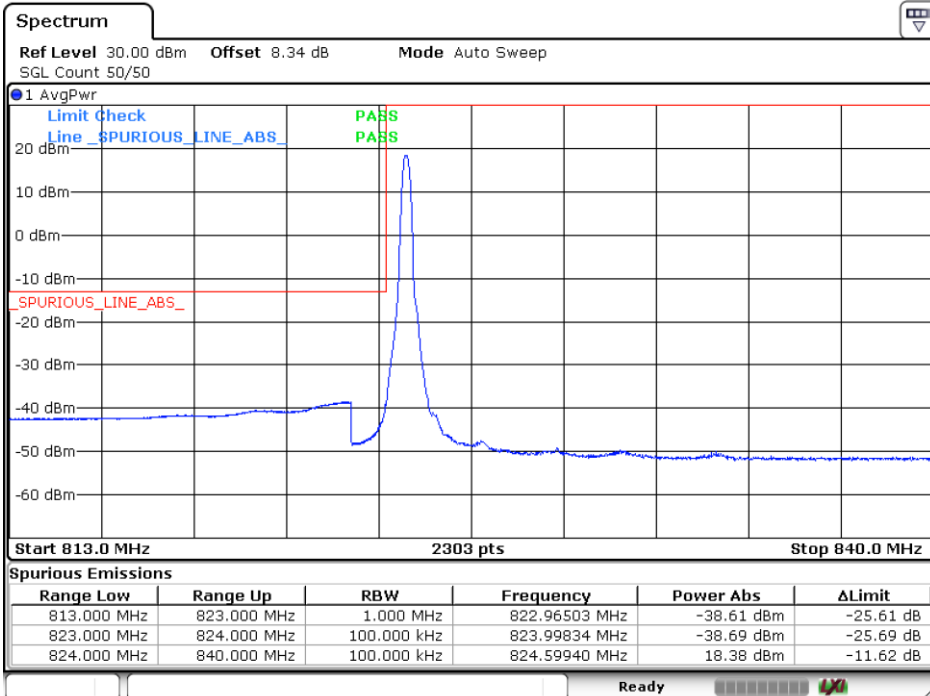


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Date: 24.AUG.2020 11:22:12

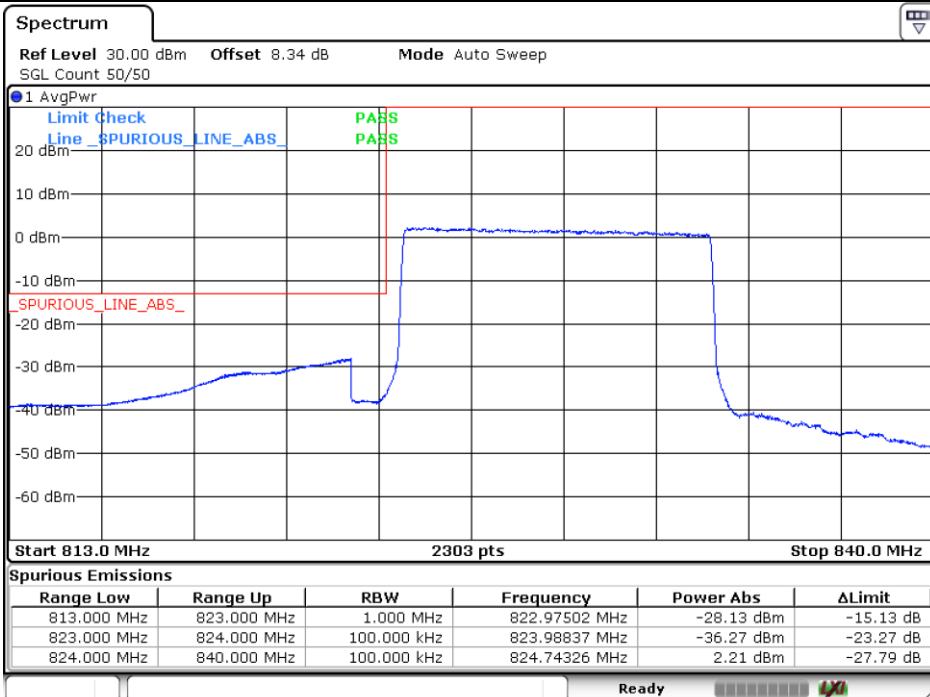
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Date: 24.AUG.2020 11:27:13

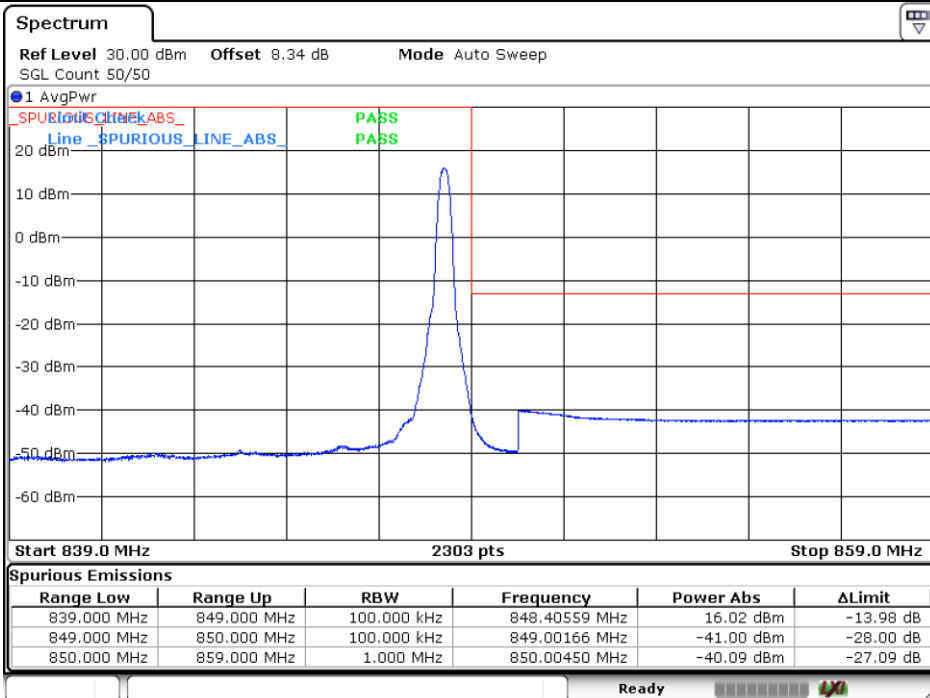


## CA\_4A-5A\_75RB+50RB\_16QAM\_20025+20450\_75RB#0+50RB#0\_Band5



Date: 24.AUG.2020 11:24:39

## CA\_4A-5A\_75RB+50RB\_16QAM\_20325+20600\_1RB#74+1RB#49\_Band5



Date: 24.AUG.2020 11:19:08



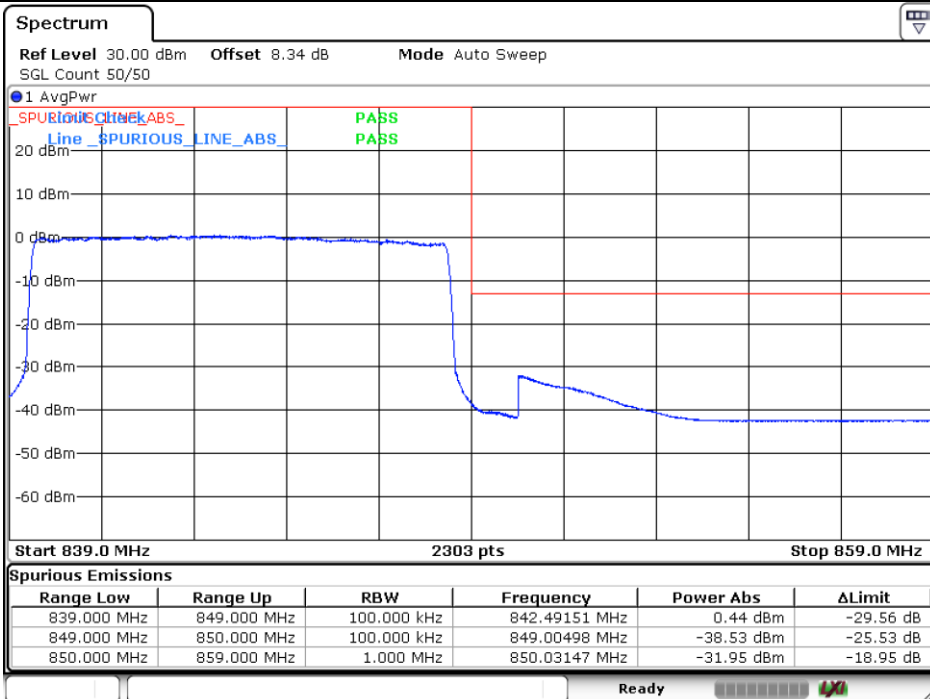
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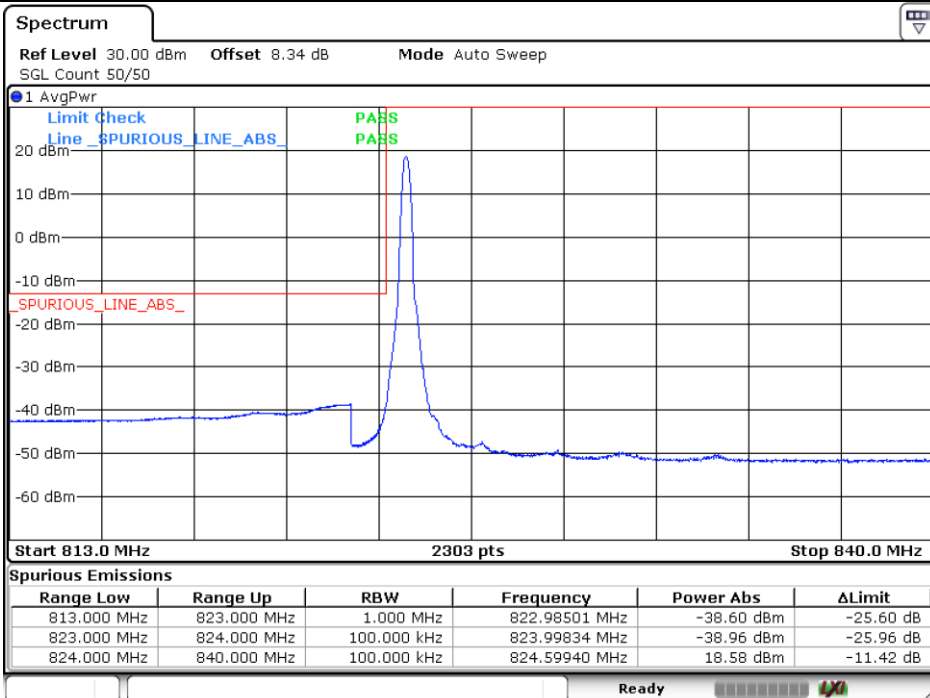


## CA\_4A-5A\_75RB+50RB\_16QAM\_20325+20600\_75RB#0+50RB#0\_Band5



Date: 24.AUG.2020 11:22:44

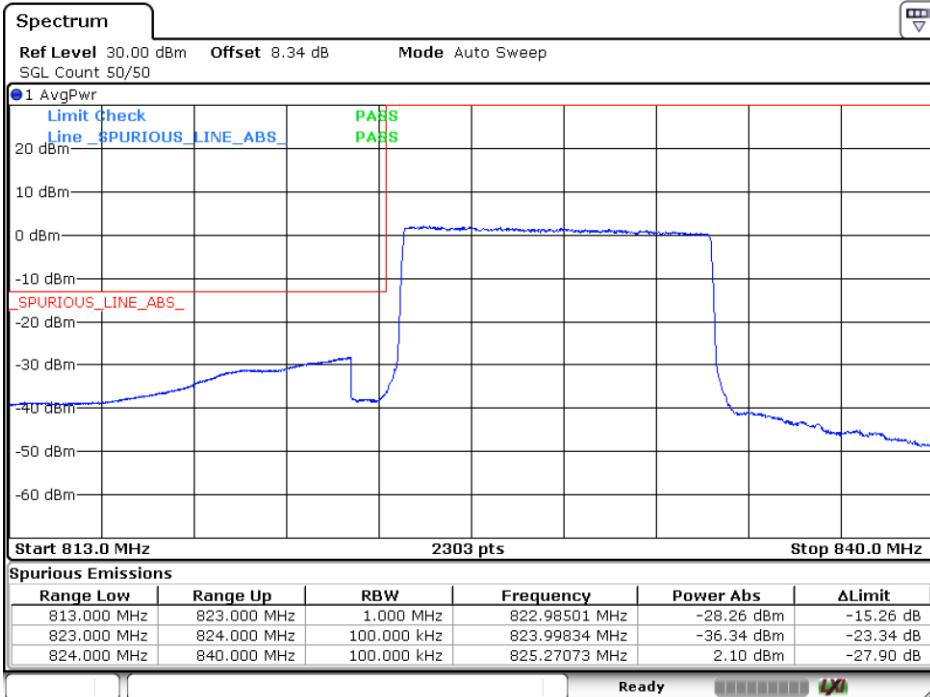
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Date: 24.AUG.2020 11:35:24

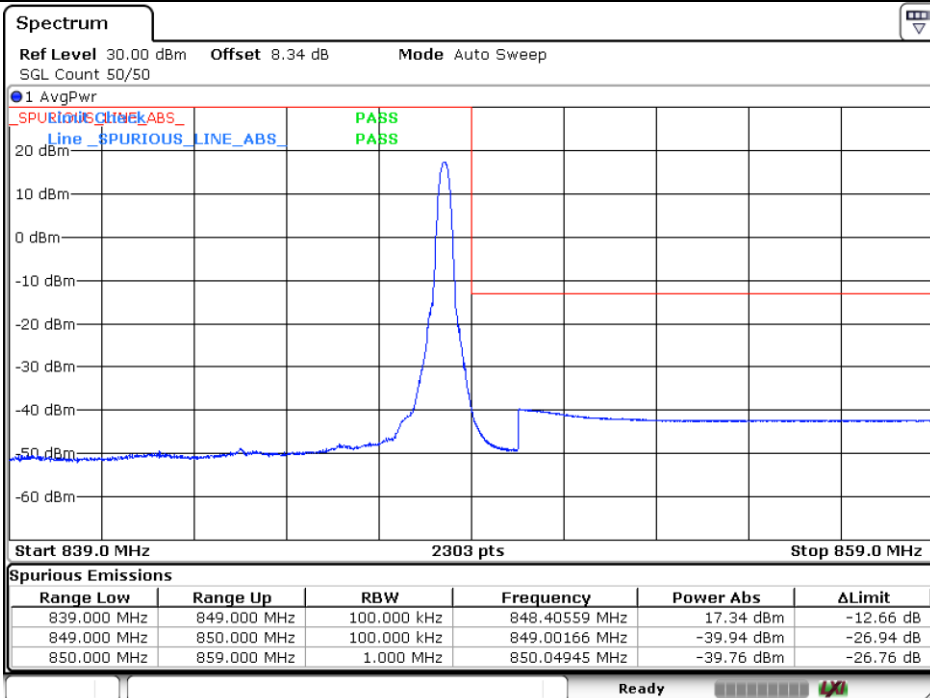


## CA\_4A-5A\_75RB+50RB\_64QAM\_20025+20450\_75RB#0+50RB#0\_Band5



Date: 24.AUG.2020 11:36:03

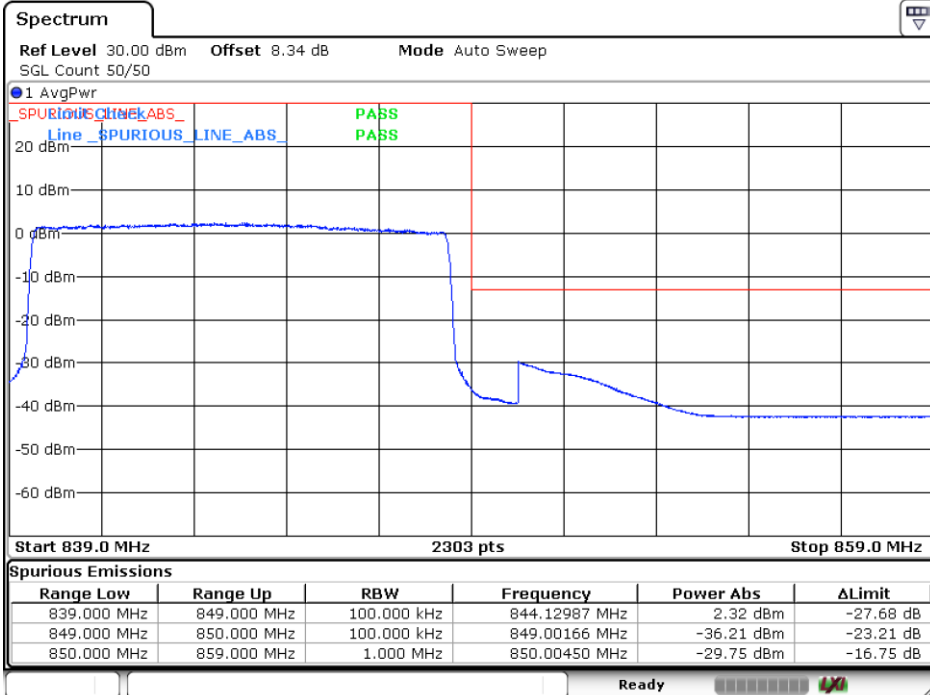
## CA\_4A-5A\_75RB+50RB\_64QAM\_20325+20600\_1RB#74+1RB#49\_Band5



Date: 24.AUG.2020 11:43:29

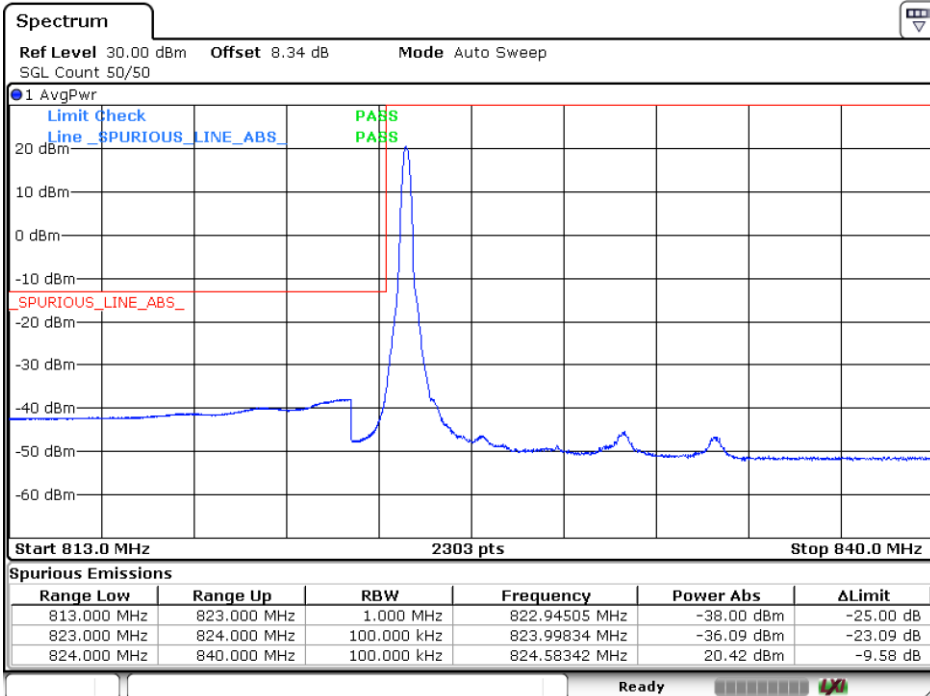


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Date: 24.AUG.2020 11:40:52

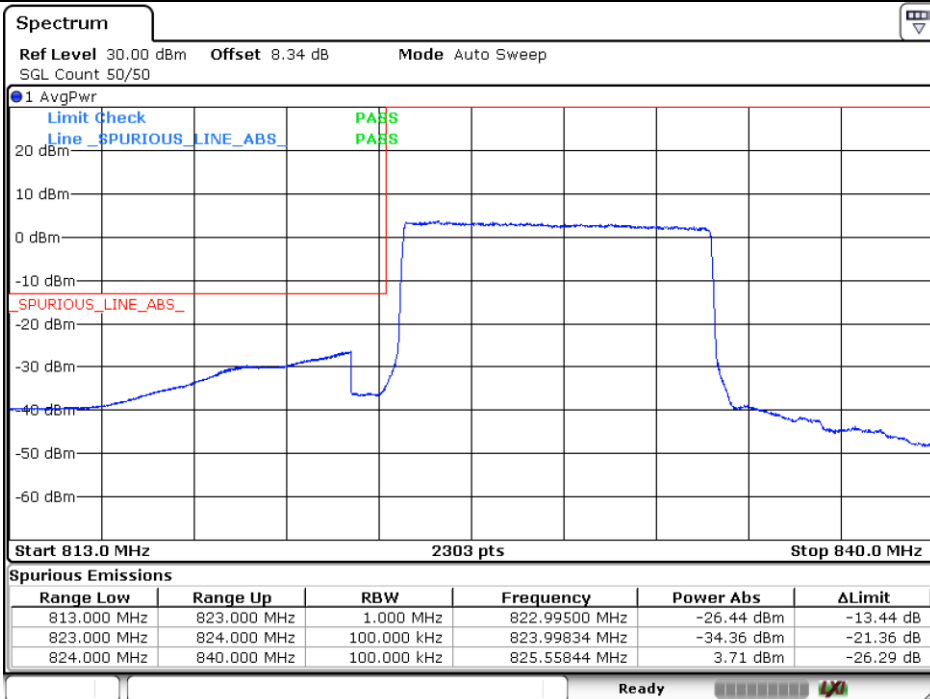
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Date: 24.AUG.2020 10:44:19

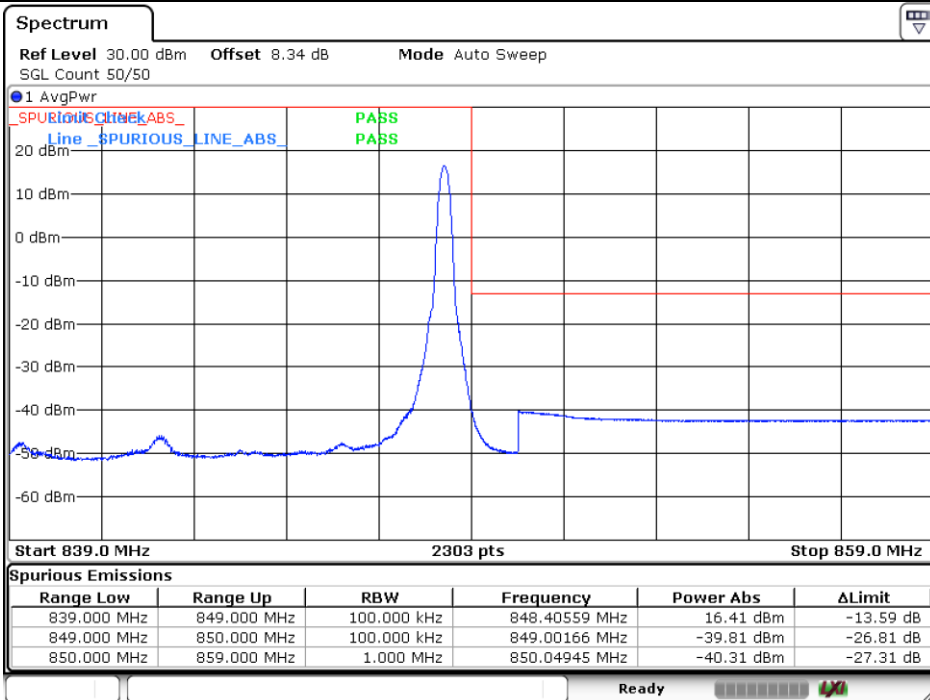


## CA\_4A-5A\_100RB+50RB\_QPSK\_20050+20450\_100RB#0+50RB#0\_Band5



Date: 24.AUG.2020 10:44:49

## CA\_4A-5A\_100RB+50RB\_QPSK\_20300+20600\_1RB#99+1RB#49\_Band5

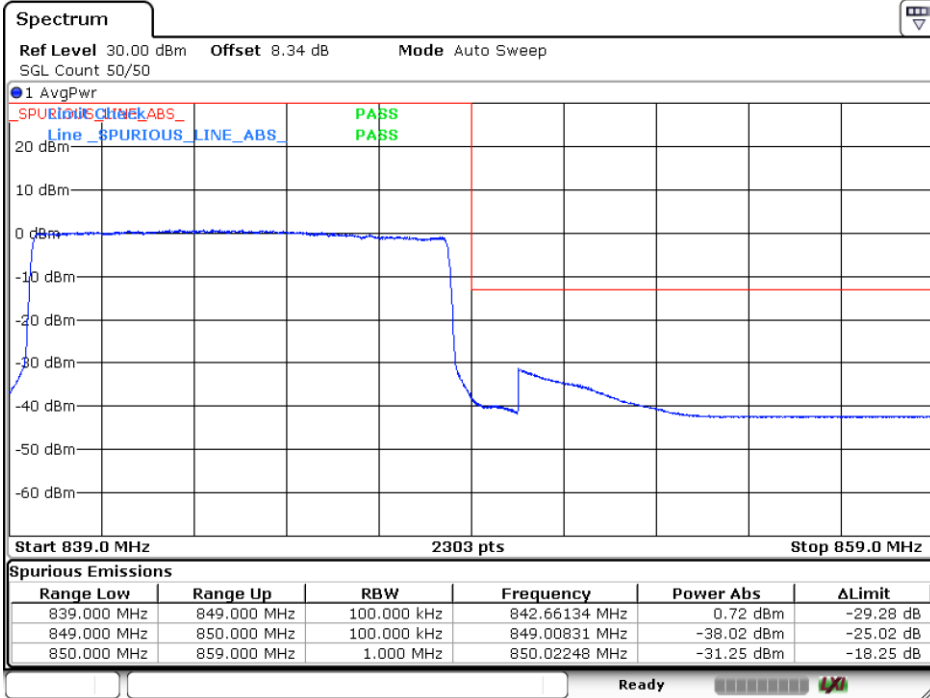


Date: 24.AUG.2020 10:56:38



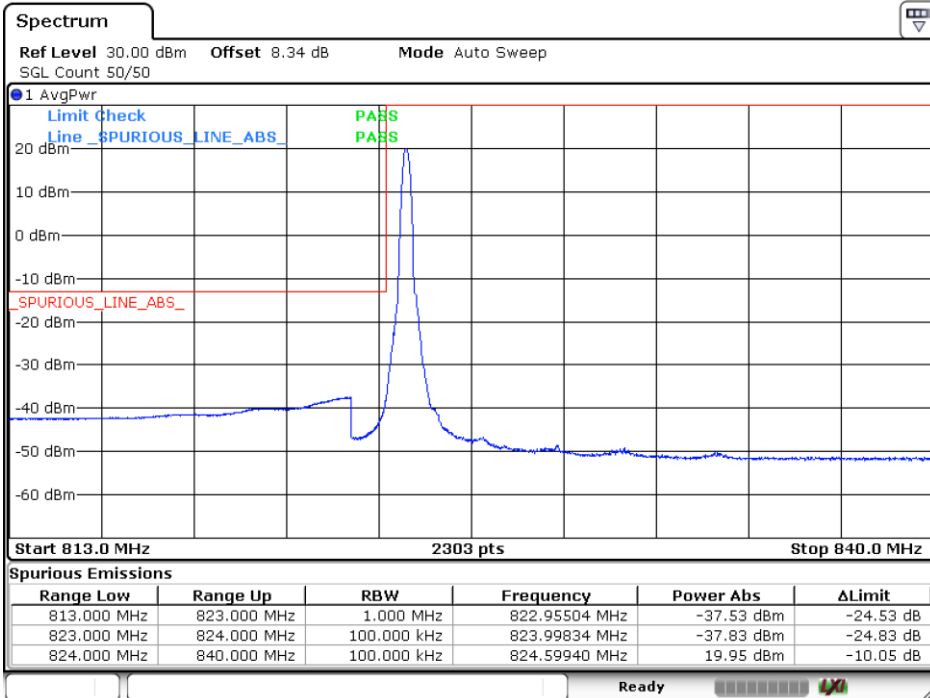


## CA\_4A-5A\_100RB+50RB\_QPSK\_20300+20600\_100RB#0+50RB#0\_Band5



Date: 24.AUG.2020 10:54:20

## CA\_4A-5A\_100RB+50RB\_16QAM\_20050+20450\_1RB#0+1RB#0\_Band5



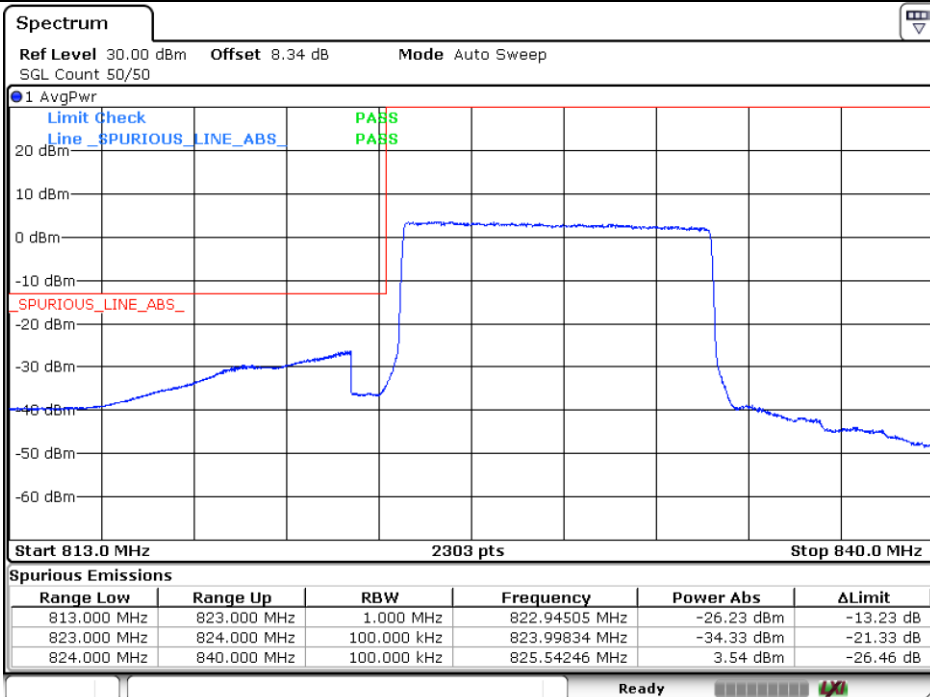
Date: 24.AUG.2020 10:43:42

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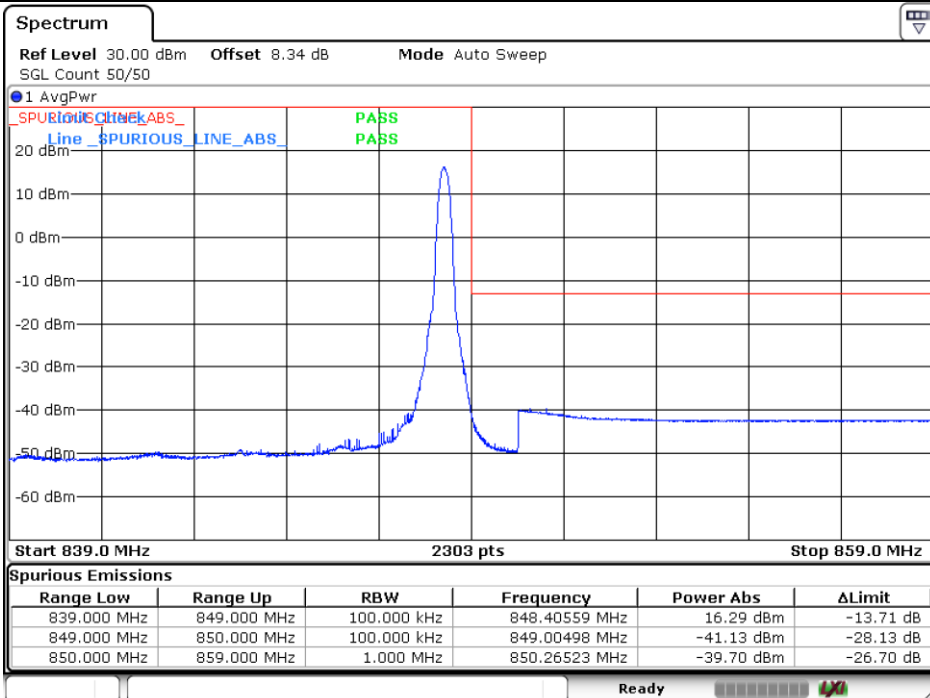
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## CA\_4A-5A\_100RB+50RB\_16QAM\_20050+20450\_100RB#0+50RB#0\_Band5



Date: 24.AUG.2020 10:45:22

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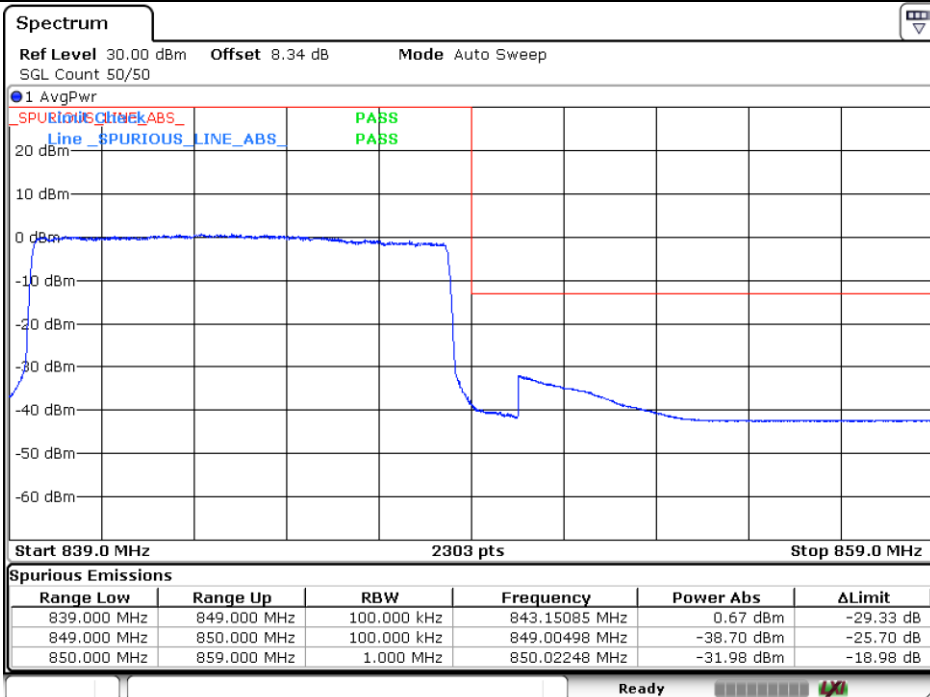
Date: 24.AUG.2020 10:55:30

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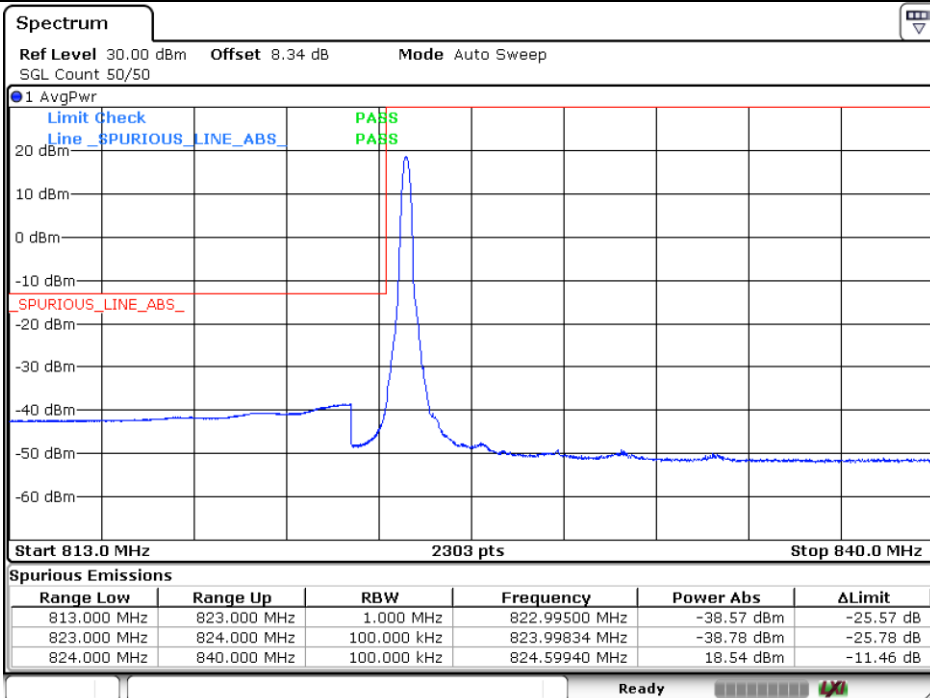
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Date: 24.AUG.2020 10:54:54

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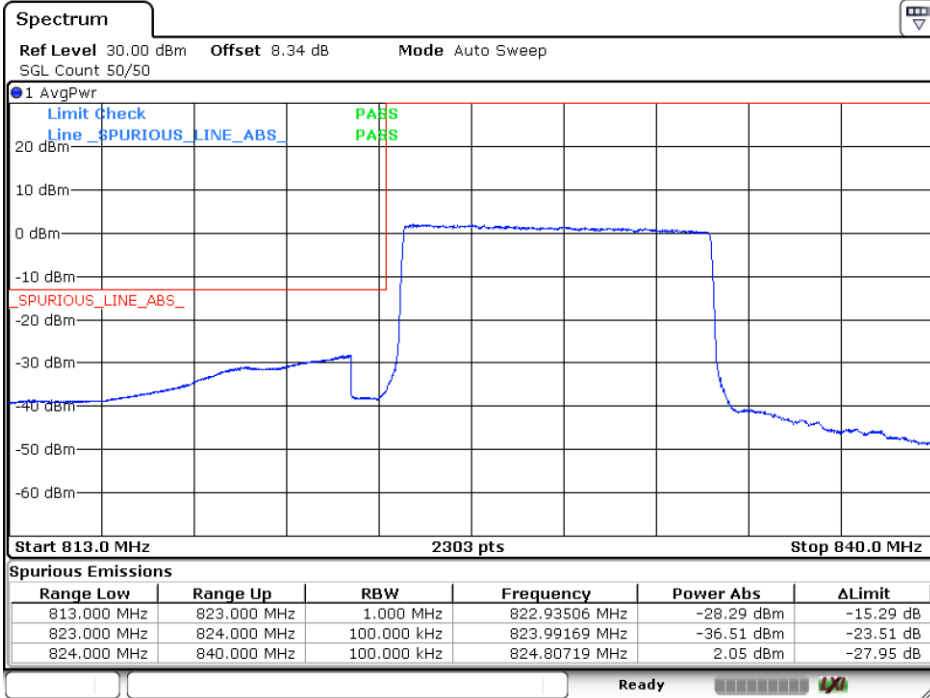
Date: 24.AUG.2020 11:37:03

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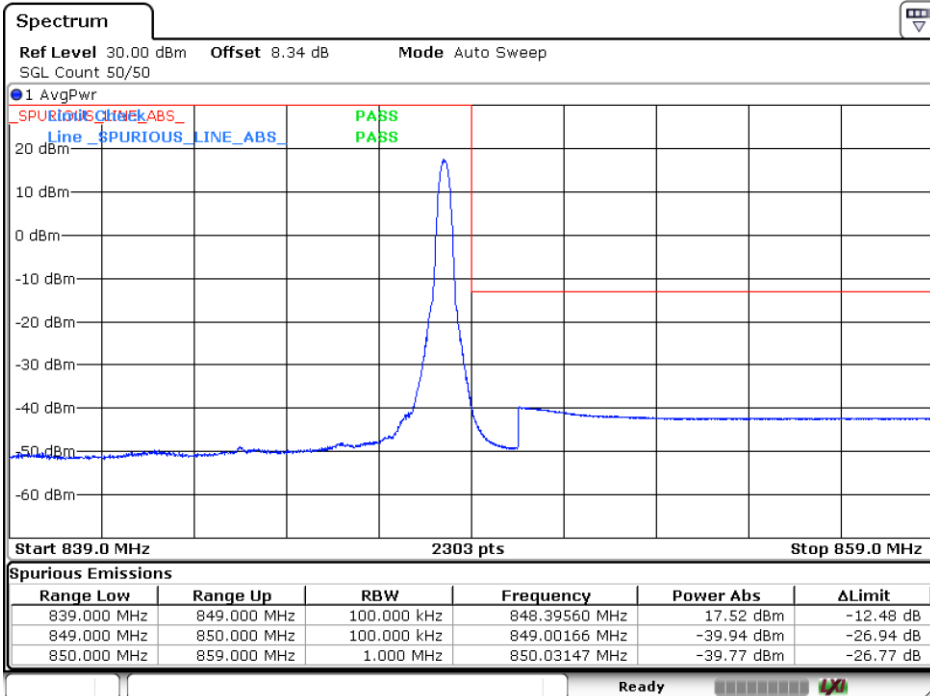
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Date: 24.AUG.2020 11:36:36

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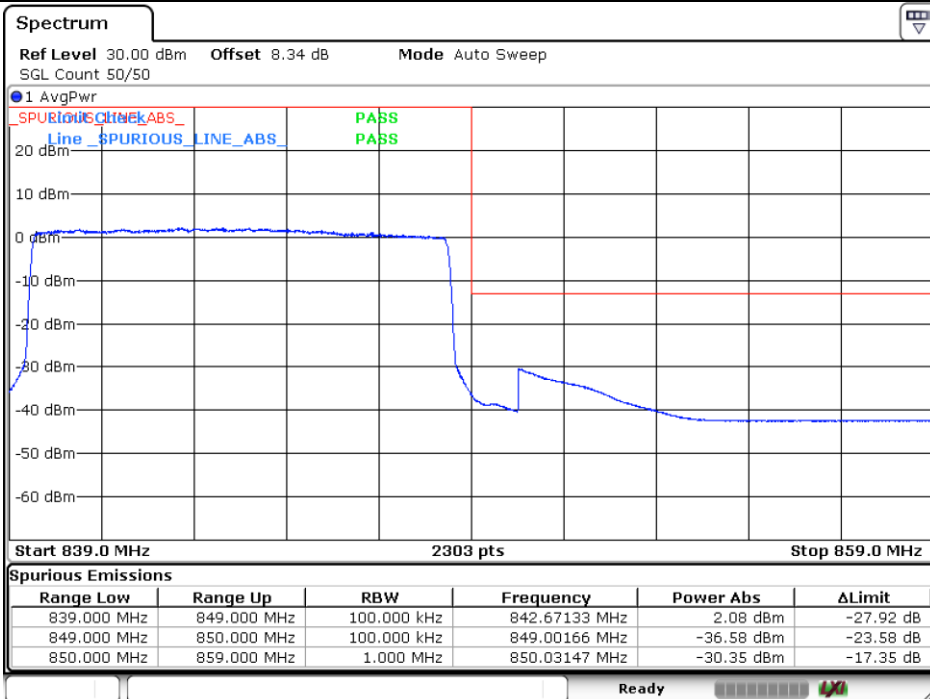


Date: 24.AUG.2020 11:42:49





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Date: 24.AUG.2020 11:42:06



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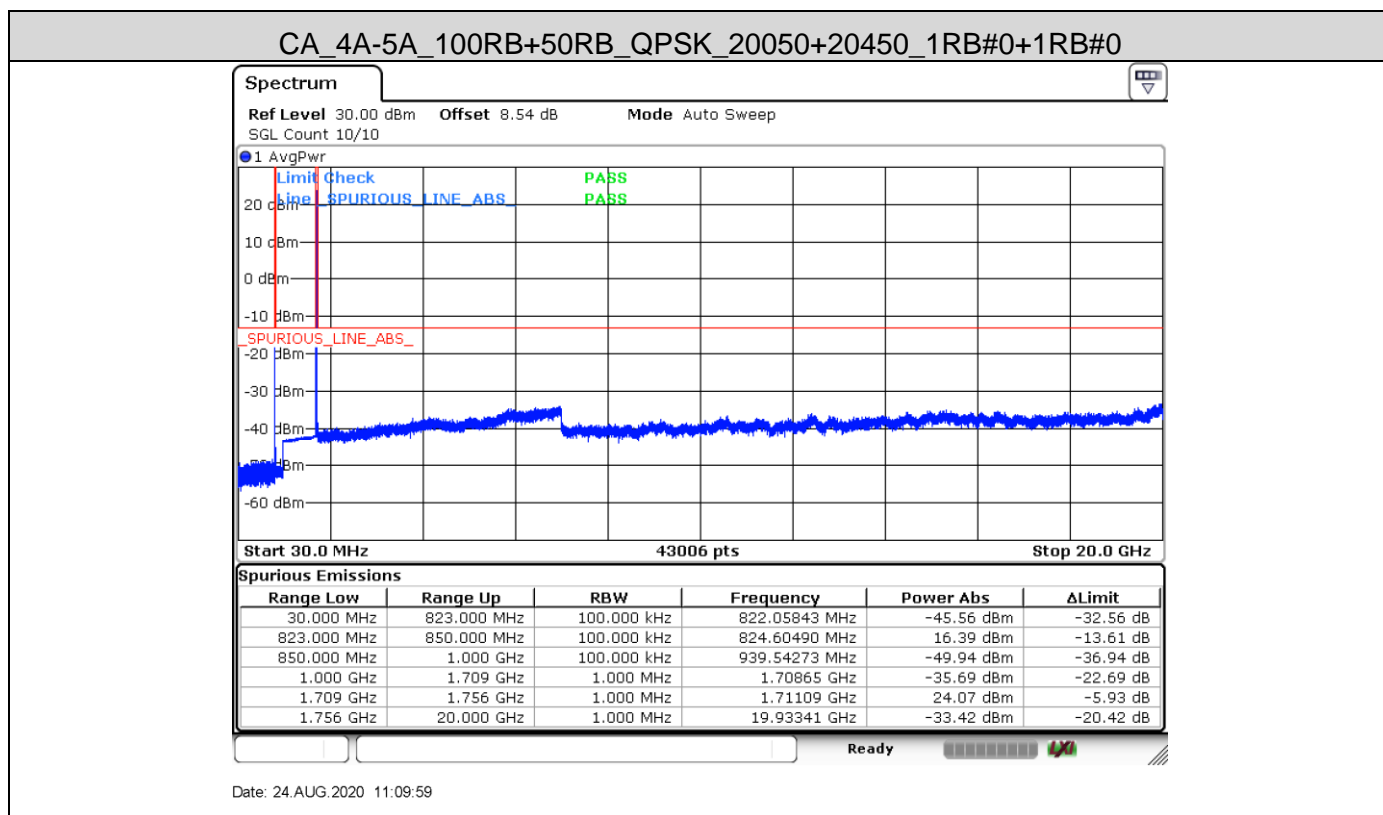
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### 3 Spurious Emission at Antenna Terminal

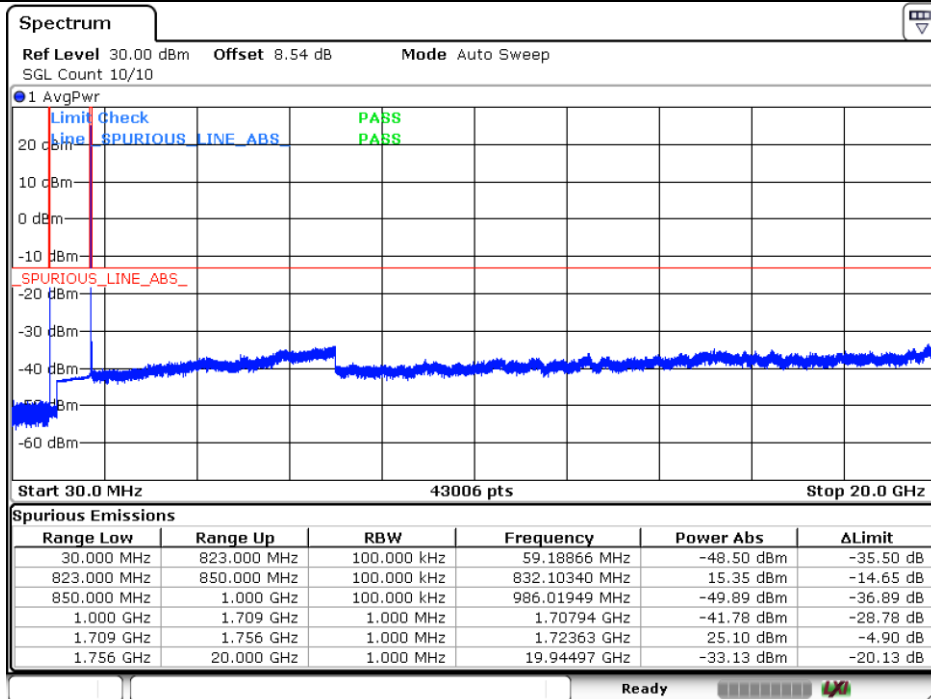
NOTE: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of  $< RBW/2$  so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = 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

Part I - Test Plots

#### 3.1.1 Test Band = LTE Band CA\_4A-5A



## CA\_4A-5A\_100RB+50RB\_QPSK\_20175+20525\_1RB#0+1RB#0



Date: 24.AUG.2020 11:12:52

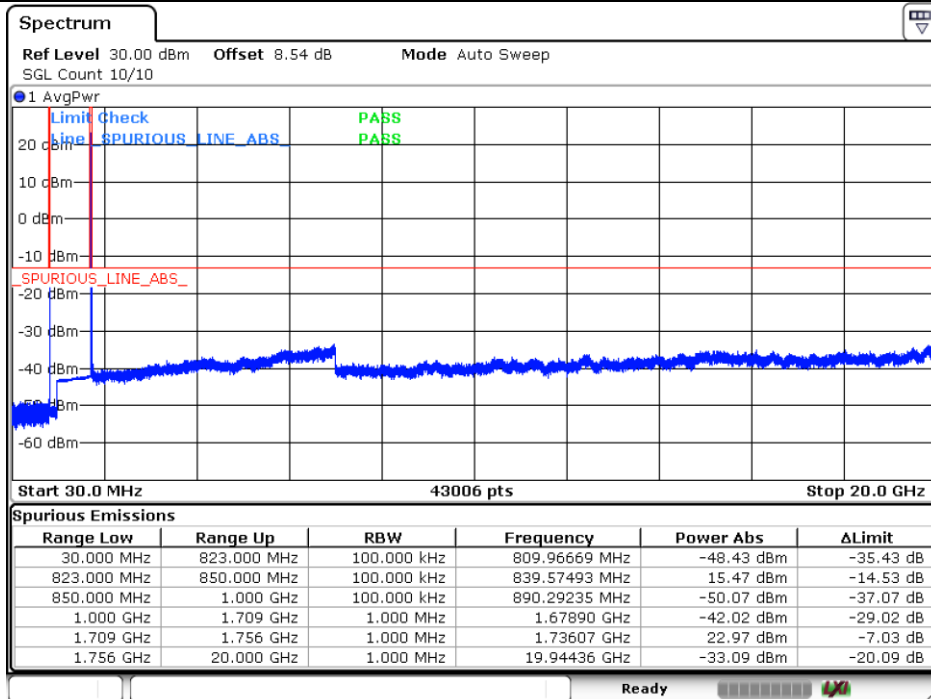
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## CA\_4A-5A\_100RB+50RB\_QPSK\_20300+20600\_1RB#0+1RB#0



Date: 24.AUG.2020 11:13:58

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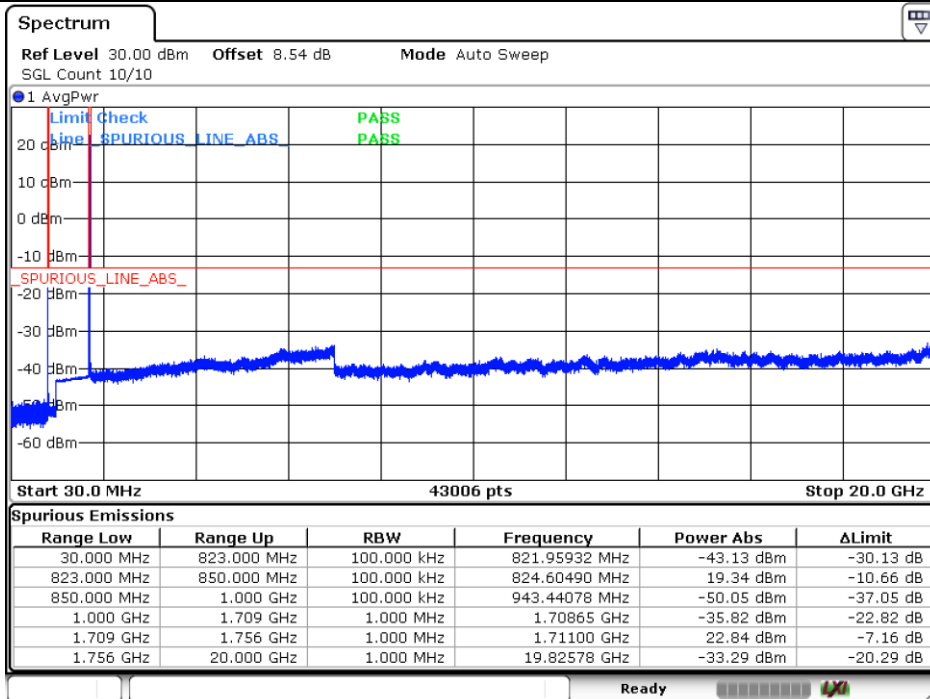
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Date: 24.AUG.2020 11:10:54

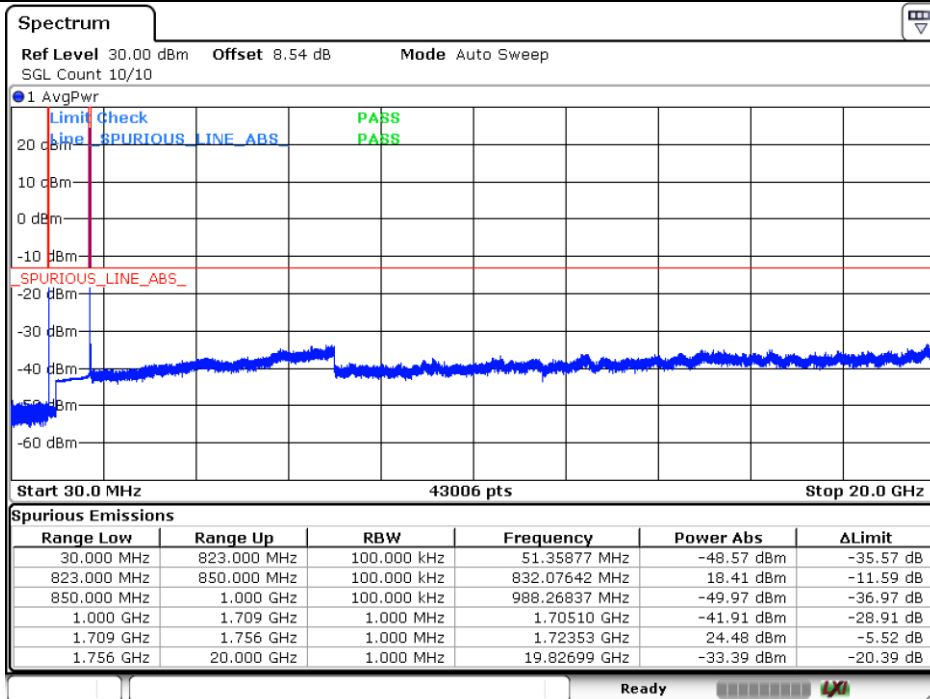
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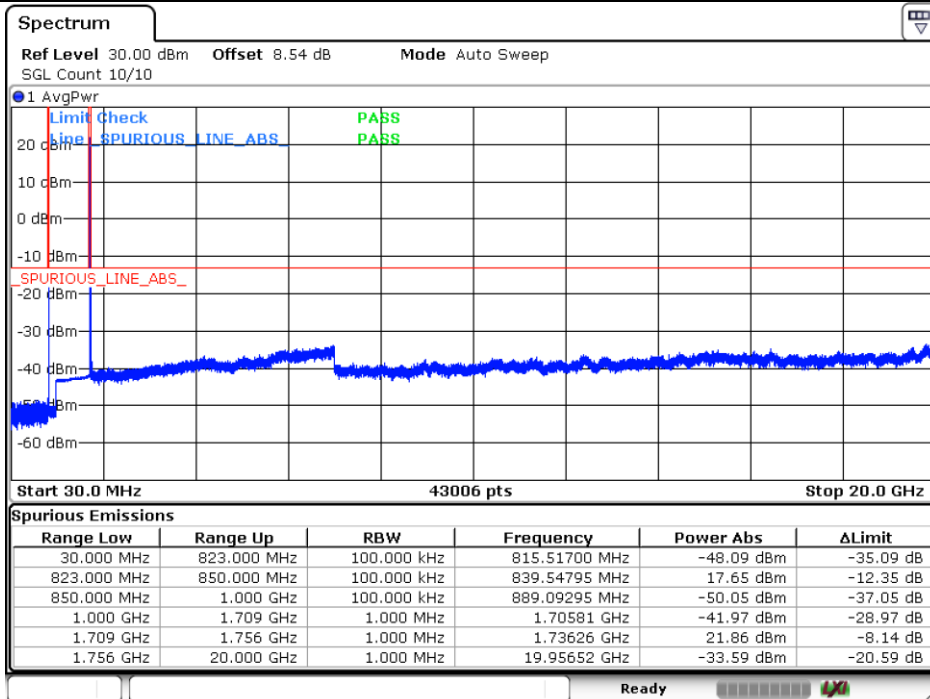
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Date: 24.AUG.2020 11:12:21



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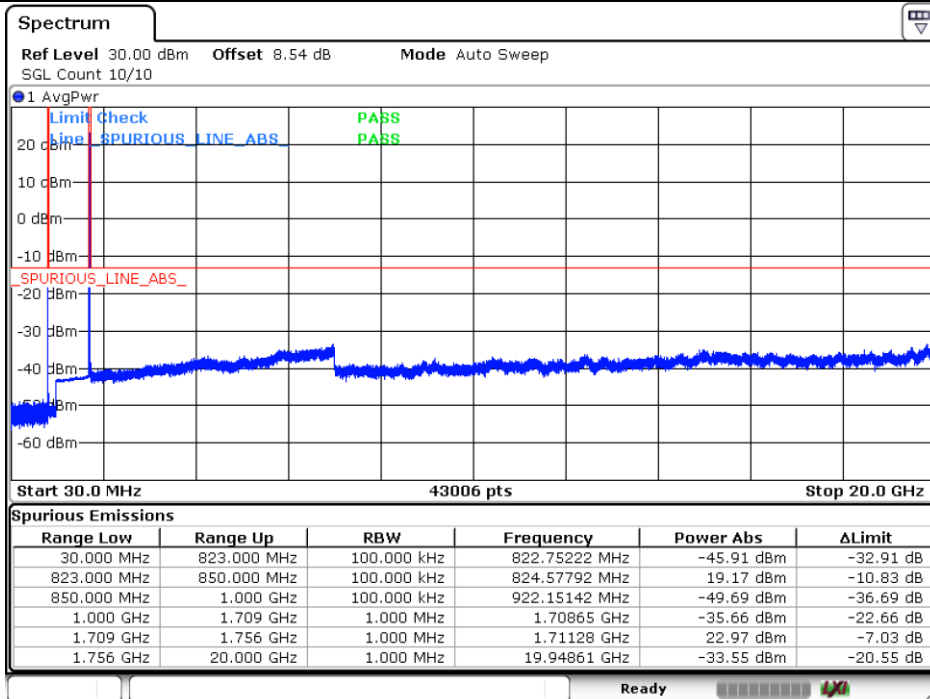
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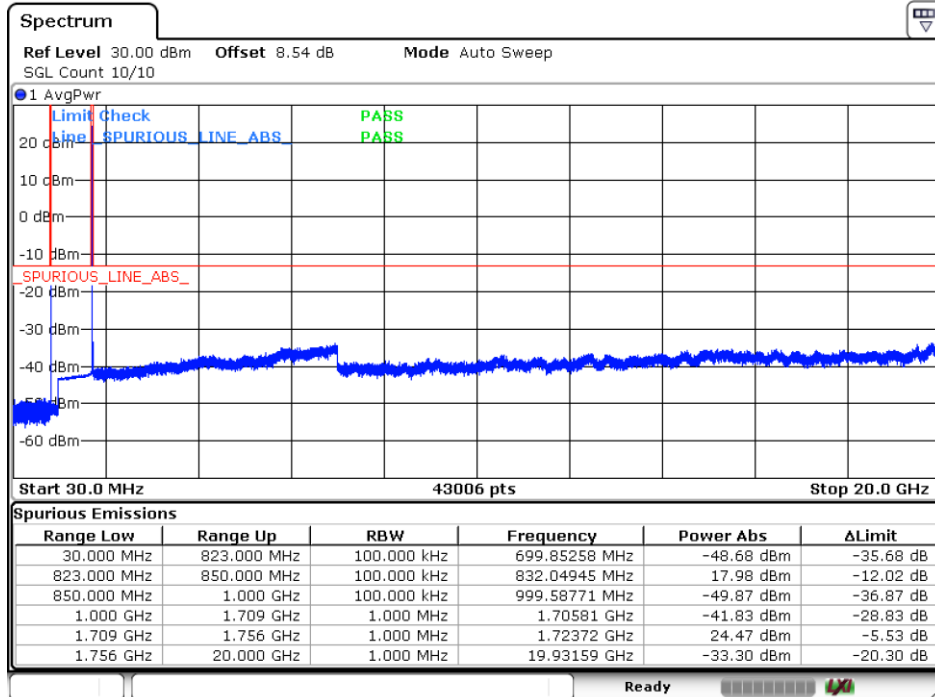


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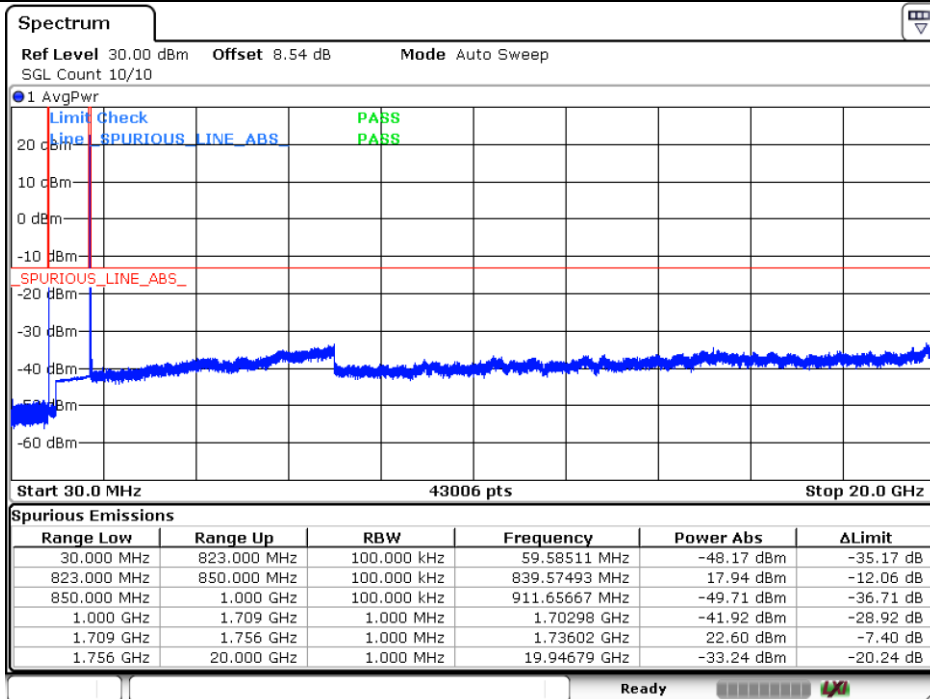
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Date: 24.AUG.2020 11:54:42



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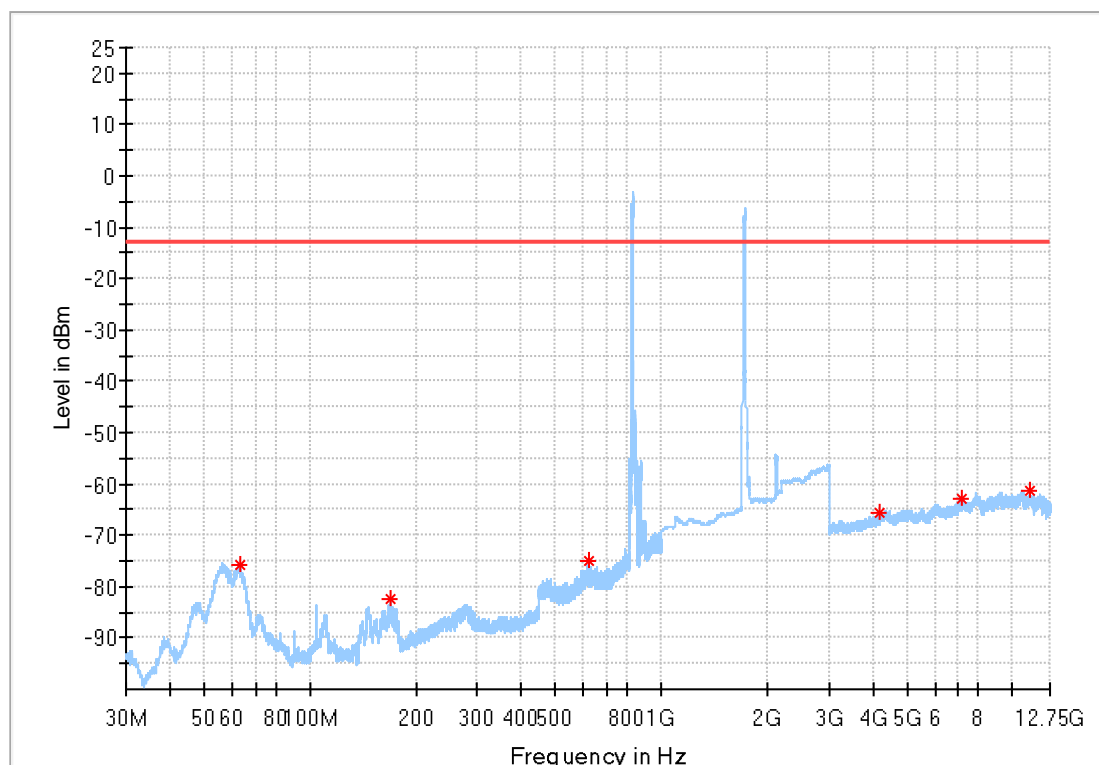
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## 4. Field Strength of Spurious Radiation

### 4.1. Test Mode =LTE/TM1 20&10 MHz\_Ant Down

#### 4.1.1. Test Channel = LCH\_Horizontal

Full Spectrum



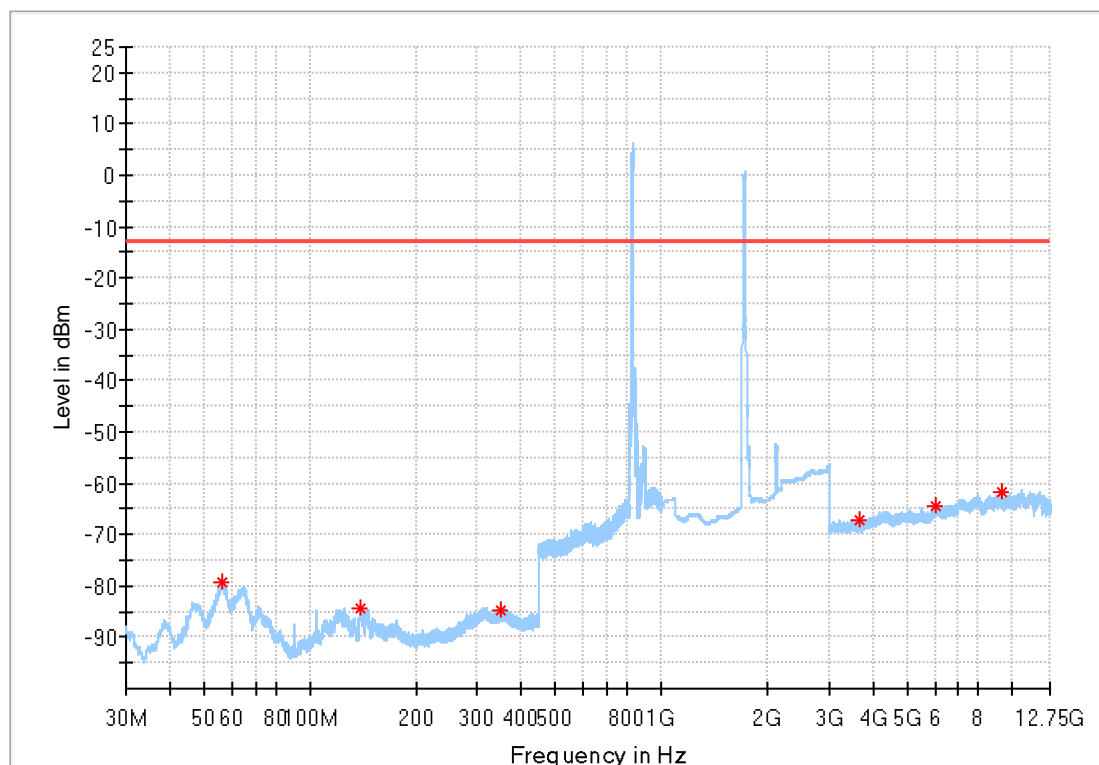
### Critical\_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
63.100000	-75.78	-13.00	62.78	---	---	261.0	H	22.0	-95.8
169.550000	-82.40	-13.00	69.40	---	---	174.0	H	22.0	-107.3
618.850000	-75.13	-13.00	62.13	---	---	101.0	H	145.0	-97.9
4197.625000	-65.63	-13.00	52.63	---	---	283.0	H	142.0	-103.2
7146.025000	-62.93	-13.00	49.93	---	---	179.0	H	350.0	-99.4
11202.350000	-61.46	-13.00	48.46	---	---	219.0	H	63.0	-96.6



## 4.1.2. Test Channel = LCH\_ Vertical

Full Spectrum



## Critical\_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
56.600000	-79.11	-13.00	66.11	---	---	161.0	V	159.0	-101.2
139.900000	-84.21	-13.00	71.21	---	---	216.0	V	159.0	-109.1
347.850000	-84.63	-13.00	71.63	---	---	120.0	V	168.0	-101.6
3651.300000	-67.24	-13.00	54.24	---	---	128.0	V	140.0	-104.7
6041.350000	-64.27	-13.00	51.27	---	---	226.0	V	318.0	-100.1
9268.275000	-61.90	-13.00	48.90	---	---	130.0	V	180.0	-97.3



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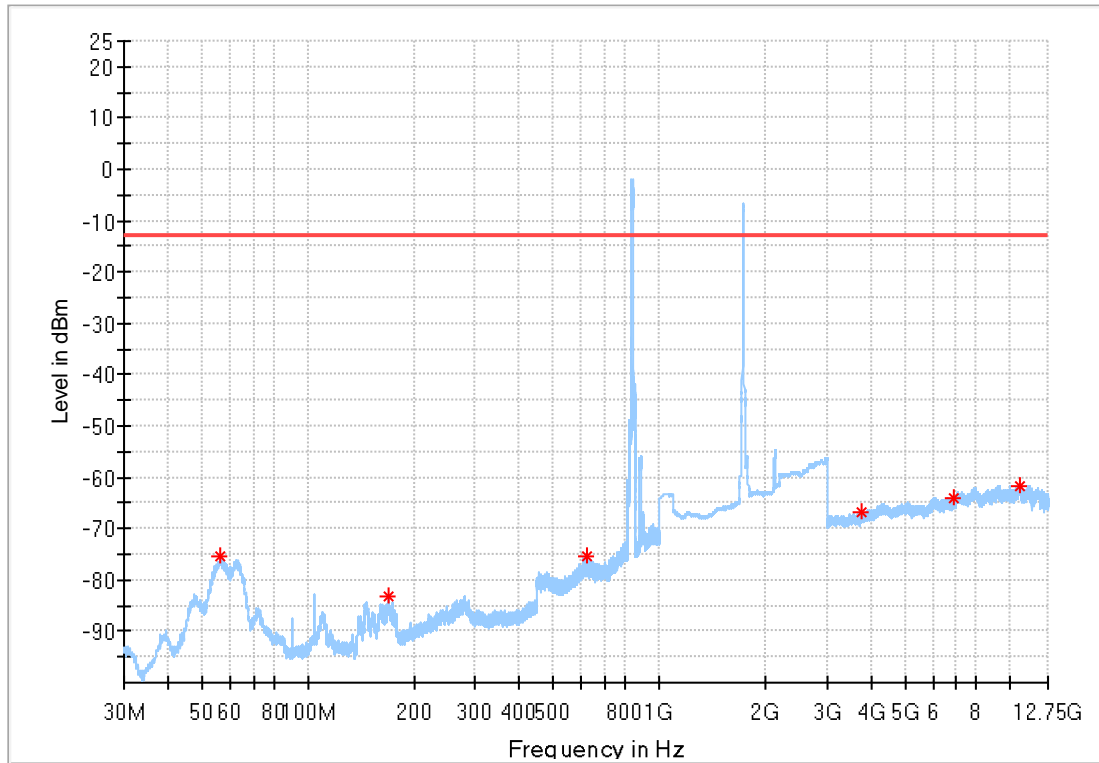
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## 4.1.3. Test Channel = MCH\_Horizontal

Full Spectrum



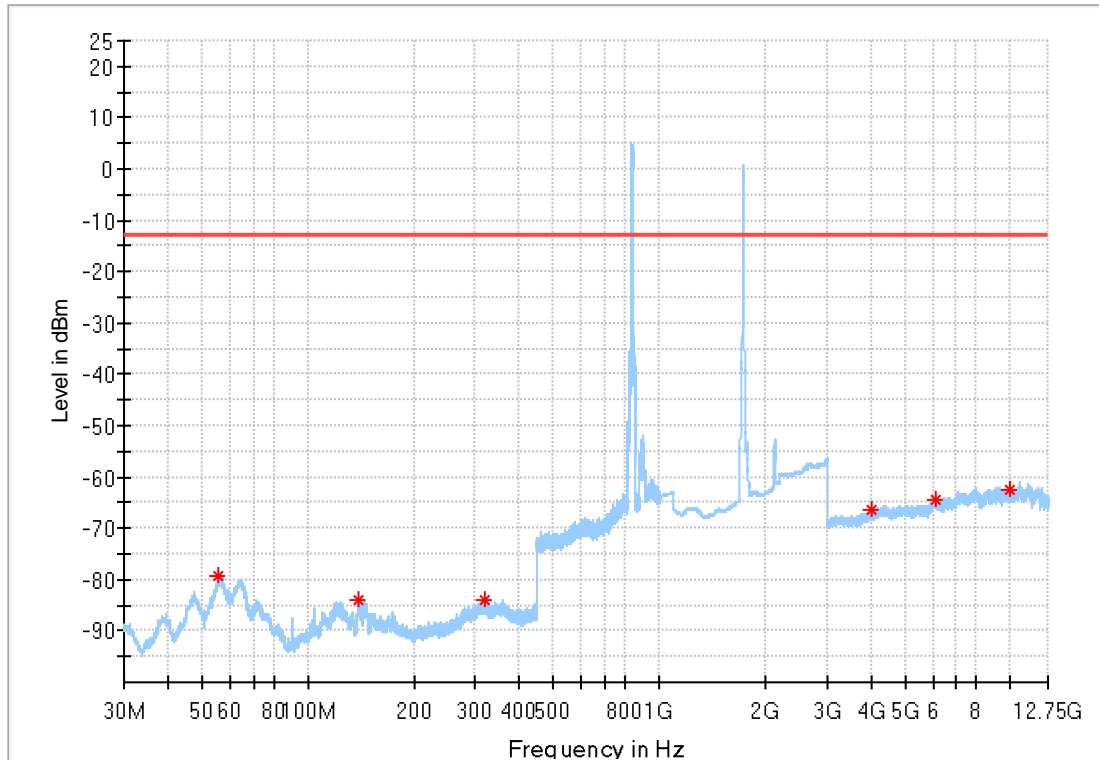
## Critical\_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
56.350000	-75.32	-13.00	62.32	---	---	296.0	H	1.0	-96.8
169.100000	-83.01	-13.00	70.01	---	---	111.0	H	329.0	-107.3
620.316667	-75.31	-13.00	62.31	---	---	225.0	H	130.0	-97.9
3780.000000	-66.91	-13.00	53.91	---	---	105.0	H	132.0	-104.4
6860.025000	-64.23	-13.00	51.23	---	---	196.0	H	97.0	-99.5
10617.025000	-61.63	-13.00	48.63	---	---	160.0	H	30.0	-96.6



## 4.1.4. Test Channel = MCH\_Vertical

Full Spectrum



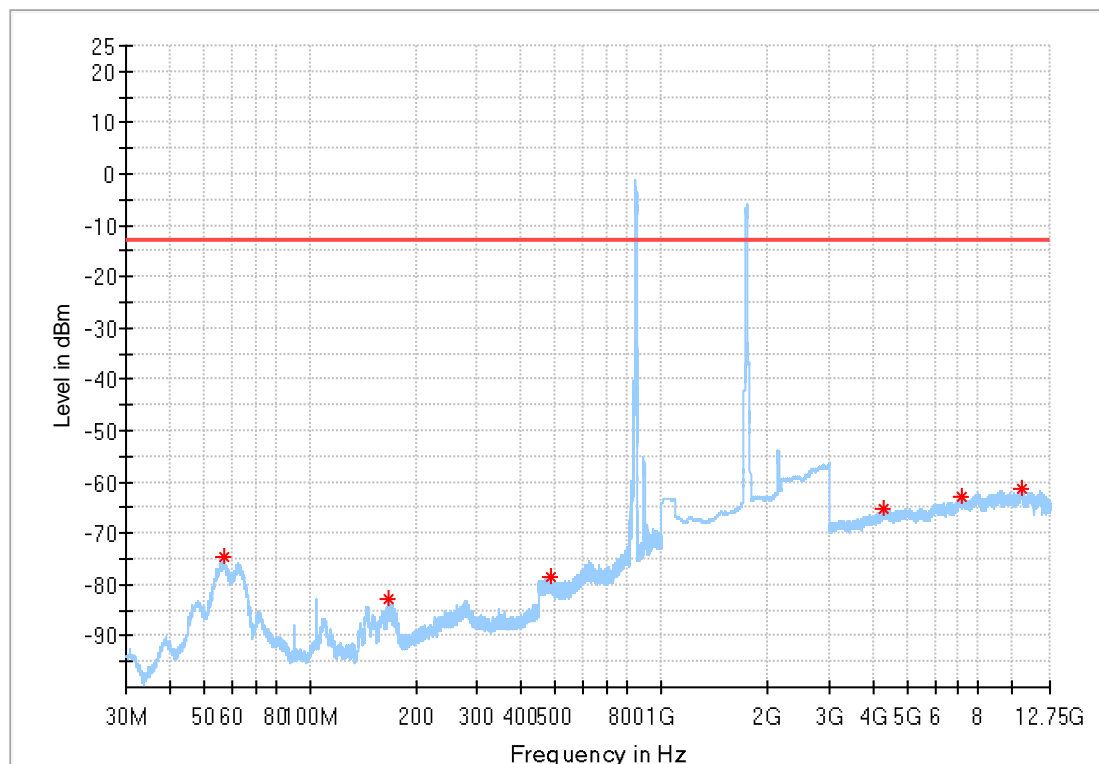
## Critical\_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
55.900000	-79.37	-13.00	66.37	---	---	231.0	V	149.0	-101.6
139.450000	-84.12	-13.00	71.12	---	---	152.0	V	158.0	-109.0
318.750000	-84.17	-13.00	71.17	---	---	153.0	V	0.0	-102.0
3999.050000	-66.52	-13.00	53.52	---	---	281.0	V	284.0	-103.5
6145.350000	-64.29	-13.00	51.29	---	---	269.0	V	0.0	-100.2
9908.850000	-62.50	-13.00	49.50	---	---	131.0	V	118.0	-97.5



#### 4.1.5. Test Channel = HCH\_Horizontal

Full Spectrum



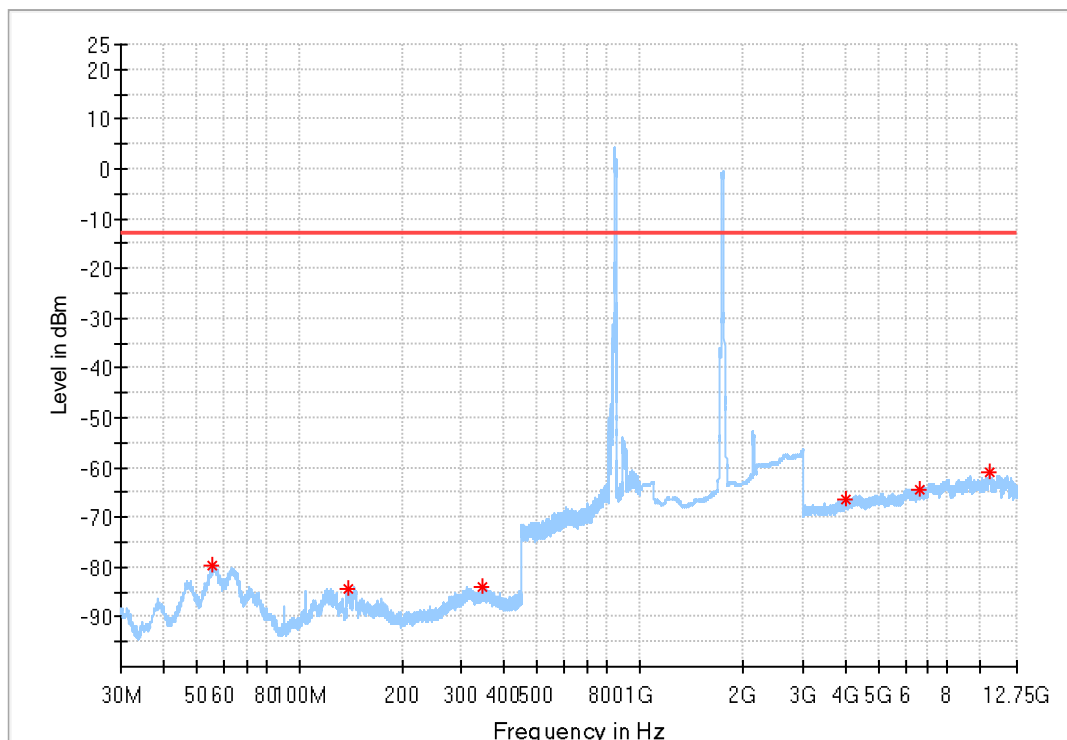
#### Critical\_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
56.750000	-74.70	-13.00	61.70	---	---	222.0	H	0.0	-96.6
168.200000	-82.89	-13.00	69.89	---	---	160.0	H	314.0	-107.3
482.129167	-78.55	-13.00	65.55	---	---	175.0	H	0.0	-100.6
4290.900000	-65.41	-13.00	52.41	---	---	291.0	H	40.0	-102.7
7161.950000	-63.00	-13.00	50.00	---	---	157.0	H	108.0	-99.5
10626.125000	-61.34	-13.00	48.34	---	---	290.0	H	179.0	-96.5



## 4.1.6. Test Channel = HCH\_Vertical

Full Spectrum



## Critical\_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
55.600000	-79.72	-13.00	66.72	---	---	292.0	V	176.0	-101.8
139.300000	-84.26	-13.00	71.26	---	---	211.0	V	176.0	-109.0
343.450000	-84.14	-13.00	71.14	---	---	181.0	V	258.0	-101.7
4018.225000	-66.49	-13.00	53.49	---	---	220.0	V	0.0	-103.5
6574.675000	-64.28	-13.00	51.28	---	---	204.0	V	154.0	-99.2
10639.775000	-61.11	-13.00	48.11	---	---	277.0	V	40.0	-96.4

Remark:

- 1 According to 971168 D01 Power Meas License Digital Systems, The amplitudes of unwanted emissions that are attenuated more than 20 dB below the applicable limit are not required to be reported.
- 2 The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data displayed in this report.
- 3 All modulation and all Bandwidth had been tested, but only the worst case data displayed in this report.

The End

