

# Appendix B

## E-UTRA Band 71



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## 1. Effective (Isotropic) Radiated Power

### 1.1. Test Result

BAND	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band71	5MHz	QPSK	133147	1RB#0	23.00	16.05	34.77	PASS
Band71	5MHz	QPSK	133147	1RB#12	23.51	16.56	34.77	PASS
Band71	5MHz	QPSK	133147	1RB#24	23.08	16.13	34.77	PASS
Band71	5MHz	QPSK	133147	12RB#0	22.20	15.25	34.77	PASS
Band71	5MHz	QPSK	133147	12RB#6	22.39	15.44	34.77	PASS
Band71	5MHz	QPSK	133147	12RB#13	22.41	15.46	34.77	PASS
Band71	5MHz	QPSK	133147	25RB#0	22.28	15.33	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#0	23.14	16.19	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#12	22.79	15.84	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#24	23.23	16.28	34.77	PASS
Band71	5MHz	QPSK	133297	12RB#0	22.07	15.12	34.77	PASS
Band71	5MHz	QPSK	133297	12RB#6	22.04	15.09	34.77	PASS
Band71	5MHz	QPSK	133297	12RB#13	22.25	15.30	34.77	PASS
Band71	5MHz	QPSK	133297	25RB#0	22.12	15.17	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#0	23.07	16.12	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#12	23.03	16.08	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#24	22.73	15.78	34.77	PASS
Band71	5MHz	QPSK	133447	12RB#0	22.24	15.29	34.77	PASS
Band71	5MHz	QPSK	133447	12RB#6	22.08	15.13	34.77	PASS
Band71	5MHz	QPSK	133447	12RB#13	22.08	15.13	34.77	PASS
Band71	5MHz	QPSK	133447	25RB#0	22.15	15.20	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#0	21.61	14.66	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#12	21.99	15.04	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#24	21.63	14.68	34.77	PASS
Band71	5MHz	16QAM	133147	12RB#0	21.23	14.28	34.77	PASS
Band71	5MHz	16QAM	133147	12RB#6	21.28	14.33	34.77	PASS
Band71	5MHz	16QAM	133147	12RB#13	21.40	14.45	34.77	PASS
Band71	5MHz	16QAM	133147	25RB#0	21.38	14.43	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#0	21.50	14.55	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#12	21.94	14.99	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#24	21.47	14.52	34.77	PASS
Band71	5MHz	16QAM	133297	12RB#0	21.26	14.31	34.77	PASS

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Band71	5MHz	16QAM	133297	12RB#6	21.19	14.24	34.77	PASS
Band71	5MHz	16QAM	133297	12RB#13	21.09	14.14	34.77	PASS
Band71	5MHz	16QAM	133297	25RB#0	21.13	14.18	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#0	21.55	14.60	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#12	22.21	15.26	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#24	21.95	15.00	34.77	PASS
Band71	5MHz	16QAM	133447	12RB#0	21.05	14.10	34.77	PASS
Band71	5MHz	16QAM	133447	12RB#6	21.17	14.22	34.77	PASS
Band71	5MHz	16QAM	133447	12RB#13	21.04	14.09	34.77	PASS
Band71	5MHz	16QAM	133447	25RB#0	21.07	14.12	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#0	23.37	16.42	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#24	23.11	16.16	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#49	22.65	15.70	34.77	PASS
Band71	10MHz	QPSK	133172	25RB#0	22.61	15.66	34.77	PASS
Band71	10MHz	QPSK	133172	25RB#12	22.24	15.29	34.77	PASS
Band71	10MHz	QPSK	133172	25RB#25	22.25	15.30	34.77	PASS
Band71	10MHz	QPSK	133172	50RB#0	22.45	15.50	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#0	23.20	16.25	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#24	23.18	16.23	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#49	22.98	16.03	34.77	PASS
Band71	10MHz	QPSK	133297	25RB#0	22.37	15.42	34.77	PASS
Band71	10MHz	QPSK	133297	25RB#12	22.18	15.23	34.77	PASS
Band71	10MHz	QPSK	133297	25RB#25	22.30	15.35	34.77	PASS
Band71	10MHz	QPSK	133297	50RB#0	22.17	15.22	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#0	23.05	16.10	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#24	23.26	16.31	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#49	23.00	16.05	34.77	PASS
Band71	10MHz	QPSK	133422	25RB#0	22.25	15.30	34.77	PASS
Band71	10MHz	QPSK	133422	25RB#12	22.13	15.18	34.77	PASS
Band71	10MHz	QPSK	133422	25RB#25	22.24	15.29	34.77	PASS
Band71	10MHz	QPSK	133422	50RB#0	22.10	15.15	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#0	22.30	15.35	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#24	21.73	14.78	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#49	21.68	14.73	34.77	PASS
Band71	10MHz	16QAM	133172	25RB#0	21.45	14.50	34.77	PASS
Band71	10MHz	16QAM	133172	25RB#12	21.37	14.42	34.77	PASS
Band71	10MHz	16QAM	133172	25RB#25	21.40	14.45	34.77	PASS
Band71	10MHz	16QAM	133172	50RB#0	21.39	14.44	34.77	PASS

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Band71	10MHz	16QAM	133297	1RB#0	21.69	14.74	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#24	21.67	14.72	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#49	21.57	14.62	34.77	PASS
Band71	10MHz	16QAM	133297	25RB#0	21.30	14.35	34.77	PASS
Band71	10MHz	16QAM	133297	25RB#12	21.24	14.29	34.77	PASS
Band71	10MHz	16QAM	133297	25RB#25	21.22	14.27	34.77	PASS
Band71	10MHz	16QAM	133297	50RB#0	21.29	14.34	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#0	21.62	14.67	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#24	21.68	14.73	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#49	21.61	14.66	34.77	PASS
Band71	10MHz	16QAM	133422	25RB#0	21.31	14.36	34.77	PASS
Band71	10MHz	16QAM	133422	25RB#12	21.26	14.31	34.77	PASS
Band71	10MHz	16QAM	133422	25RB#25	21.26	14.31	34.77	PASS
Band71	10MHz	16QAM	133422	50RB#0	21.13	14.18	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#0	23.40	16.45	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#38	22.83	15.88	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#74	23.31	16.36	34.77	PASS
Band71	15MHz	QPSK	133197	36RB#0	22.37	15.42	34.77	PASS
Band71	15MHz	QPSK	133197	36RB#18	22.11	15.16	34.77	PASS
Band71	15MHz	QPSK	133197	36RB#39	22.40	15.45	34.77	PASS
Band71	15MHz	QPSK	133197	75RB#0	22.35	15.40	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#0	23.33	16.38	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#38	23.32	16.37	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#74	22.76	15.81	34.77	PASS
Band71	15MHz	QPSK	133297	36RB#0	22.34	15.39	34.77	PASS
Band71	15MHz	QPSK	133297	36RB#18	22.21	15.26	34.77	PASS
Band71	15MHz	QPSK	133297	36RB#39	22.19	15.24	34.77	PASS
Band71	15MHz	QPSK	133297	75RB#0	22.16	15.21	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#0	23.22	16.27	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#38	22.63	15.68	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#74	22.89	15.94	34.77	PASS
Band71	15MHz	QPSK	133397	36RB#0	22.11	15.16	34.77	PASS
Band71	15MHz	QPSK	133397	36RB#18	22.30	15.35	34.77	PASS
Band71	15MHz	QPSK	133397	36RB#39	22.45	15.50	34.77	PASS
Band71	15MHz	QPSK	133397	75RB#0	22.14	15.19	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#0	21.71	14.76	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#38	22.23	15.28	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#74	22.11	15.16	34.77	PASS

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Band71	15MHz	16QAM	133197	36RB#0	21.41	14.46	34.77	PASS
Band71	15MHz	16QAM	133197	36RB#18	21.31	14.36	34.77	PASS
Band71	15MHz	16QAM	133197	36RB#39	21.31	14.36	34.77	PASS
Band71	15MHz	16QAM	133197	75RB#0	21.38	14.43	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#0	21.91	14.96	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#38	22.02	15.07	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#74	22.10	15.15	34.77	PASS
Band71	15MHz	16QAM	133297	36RB#0	21.18	14.23	34.77	PASS
Band71	15MHz	16QAM	133297	36RB#18	21.17	14.22	34.77	PASS
Band71	15MHz	16QAM	133297	36RB#39	21.23	14.28	34.77	PASS
Band71	15MHz	16QAM	133297	75RB#0	21.18	14.23	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#0	21.64	14.69	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#38	21.66	14.71	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#74	21.65	14.70	34.77	PASS
Band71	15MHz	16QAM	133397	36RB#0	21.23	14.28	34.77	PASS
Band71	15MHz	16QAM	133397	36RB#18	21.32	14.37	34.77	PASS
Band71	15MHz	16QAM	133397	36RB#39	21.11	14.16	34.77	PASS
Band71	15MHz	16QAM	133397	75RB#0	21.07	14.12	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#0	23.20	16.25	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#49	22.77	15.82	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#99	23.04	16.09	34.77	PASS
Band71	20MHz	QPSK	133222	50RB#0	22.29	15.34	34.77	PASS
Band71	20MHz	QPSK	133222	50RB#25	22.21	15.26	34.77	PASS
Band71	20MHz	QPSK	133222	50RB#50	22.17	15.22	34.77	PASS
Band71	20MHz	QPSK	133222	100RB#0	22.38	15.43	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#0	23.07	16.12	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#49	23.50	16.55	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#99	22.39	15.44	34.77	PASS
Band71	20MHz	QPSK	133322	50RB#0	22.38	15.43	34.77	PASS
Band71	20MHz	QPSK	133322	50RB#25	22.25	15.30	34.77	PASS
Band71	20MHz	QPSK	133322	50RB#50	21.81	14.86	34.77	PASS
Band71	20MHz	QPSK	133322	100RB#0	22.13	15.18	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#0	23.17	16.22	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#49	23.08	16.13	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#99	22.74	15.79	34.77	PASS
Band71	20MHz	QPSK	133372	50RB#0	22.27	15.32	34.77	PASS
Band71	20MHz	QPSK	133372	50RB#25	22.13	15.18	34.77	PASS
Band71	20MHz	QPSK	133372	50RB#50	22.15	15.20	34.77	PASS

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Band71	20MHz	16QAM	133222	1RB#0	22.00	15.05	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#49	22.25	15.30	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#99	21.86	14.91	34.77	PASS
Band71	20MHz	16QAM	133222	50RB#0	21.28	14.33	34.77	PASS
Band71	20MHz	16QAM	133222	50RB#25	21.46	14.51	34.77	PASS
Band71	20MHz	16QAM	133222	50RB#50	21.10	14.15	34.77	PASS
Band71	20MHz	16QAM	133222	100RB#0	21.29	14.34	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#0	21.91	14.96	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#49	21.82	14.87	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#99	21.61	14.66	34.77	PASS
Band71	20MHz	16QAM	133322	50RB#0	21.23	14.28	34.77	PASS
Band71	20MHz	16QAM	133322	50RB#25	21.31	14.36	34.77	PASS
Band71	20MHz	16QAM	133322	50RB#50	21.19	14.24	34.77	PASS
Band71	20MHz	16QAM	133322	100RB#0	21.06	14.11	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#0	22.01	15.06	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#49	21.71	14.76	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#99	21.91	14.96	34.77	PASS
Band71	20MHz	16QAM	133372	50RB#0	21.26	14.31	34.77	PASS
Band71	20MHz	16QAM	133372	50RB#25	21.17	14.22	34.77	PASS
Band71	20MHz	16QAM	133372	50RB#50	21.26	14.31	34.77	PASS
Band71	20MHz	16QAM	133372	100RB#0	21.17	14.22	34.77	PASS

Remark:

a: For getting the EIRP (Efficient Isotropic Radiated Power), the following formula should be taken to calculate it,

ERP [dBm] = Conducted Power [dBm] + Gain [dBd]

EIRP [dBm] = Conducted Power [dBm] + Gain [dBi]

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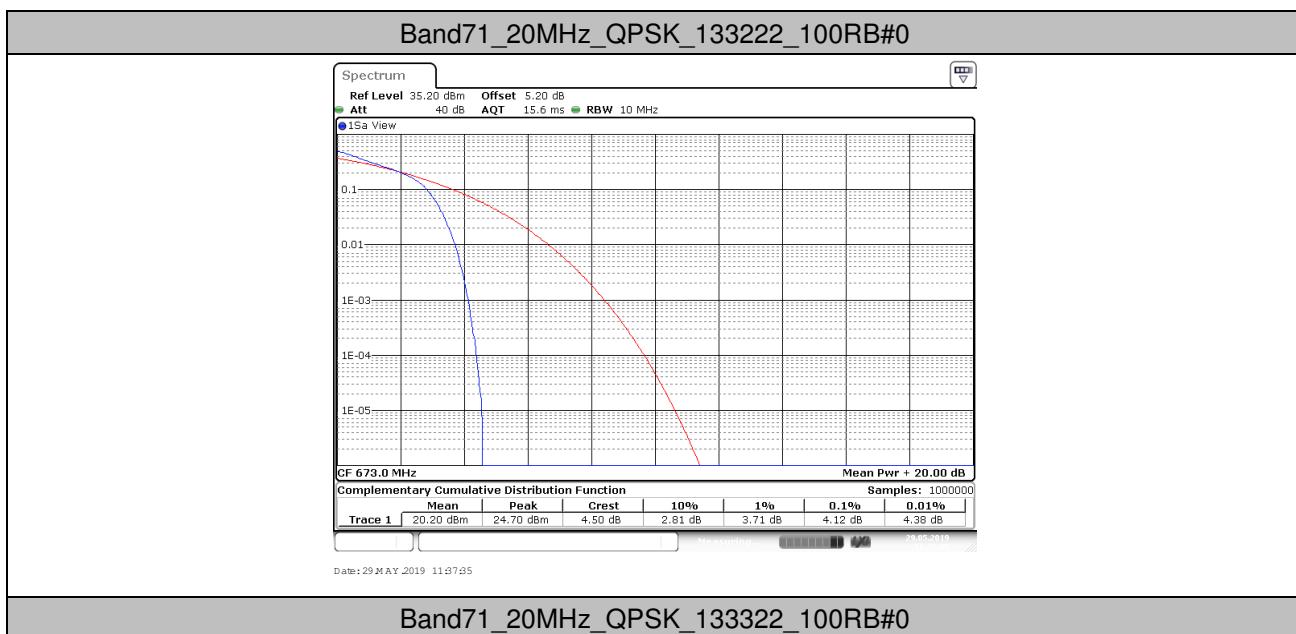


## 2. Peak-to-Average Ratio(CCDF)

### 2.1. Test Result

BAND	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band71	20MHz	QPSK	133222	100RB#0	4.12	13	PASS
Band71	20MHz	QPSK	133322	100RB#0	4.12	13	PASS
Band71	20MHz	QPSK	133372	100RB#0	4.20	13	PASS
Band71	20MHz	16QAM	133222	100RB#0	5.88	13	PASS
Band71	20MHz	16QAM	133322	100RB#0	5.86	13	PASS
Band71	20MHz	16QAM	133372	100RB#0	5.94	13	PASS

### 2.2. Test Plots

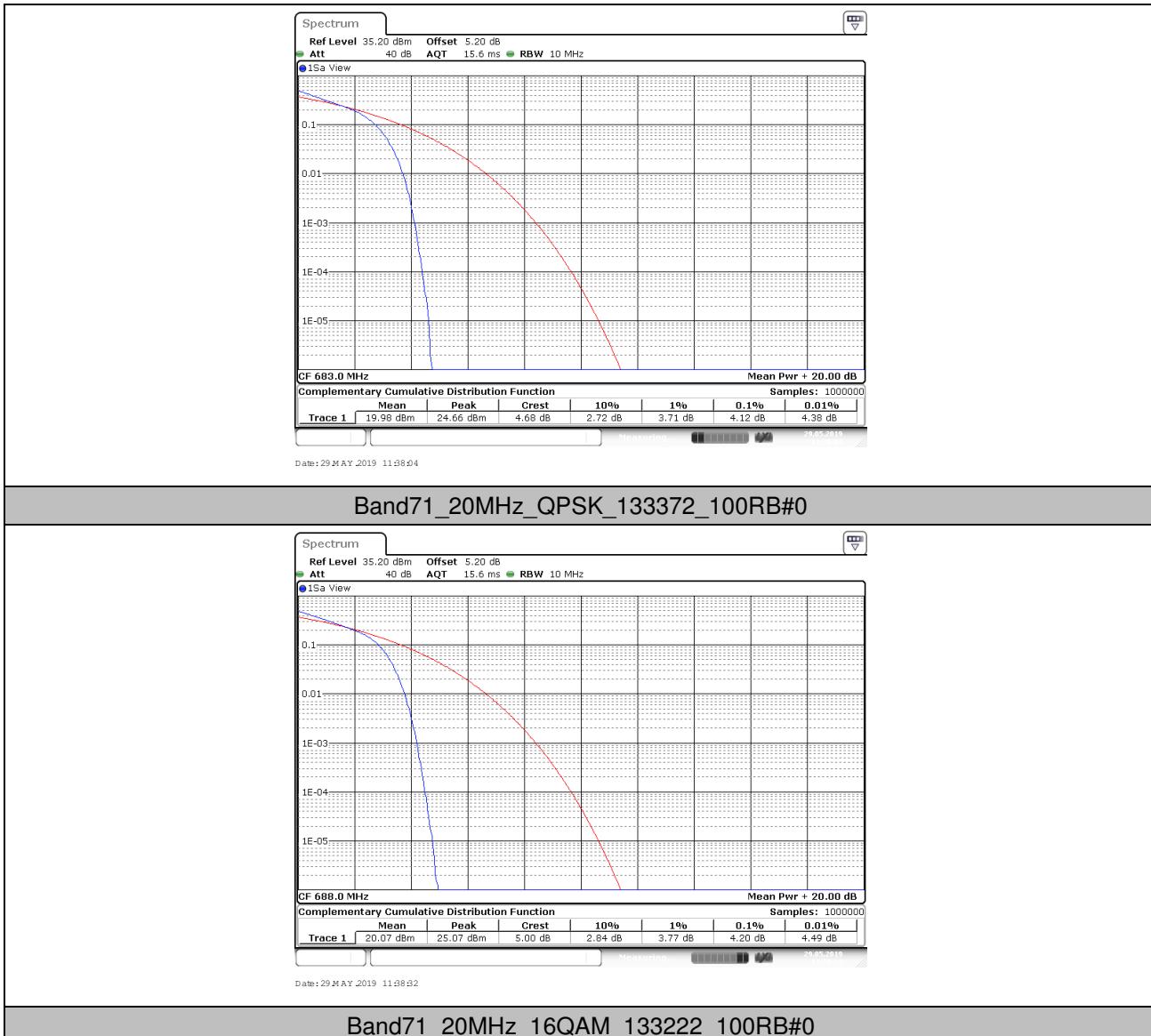


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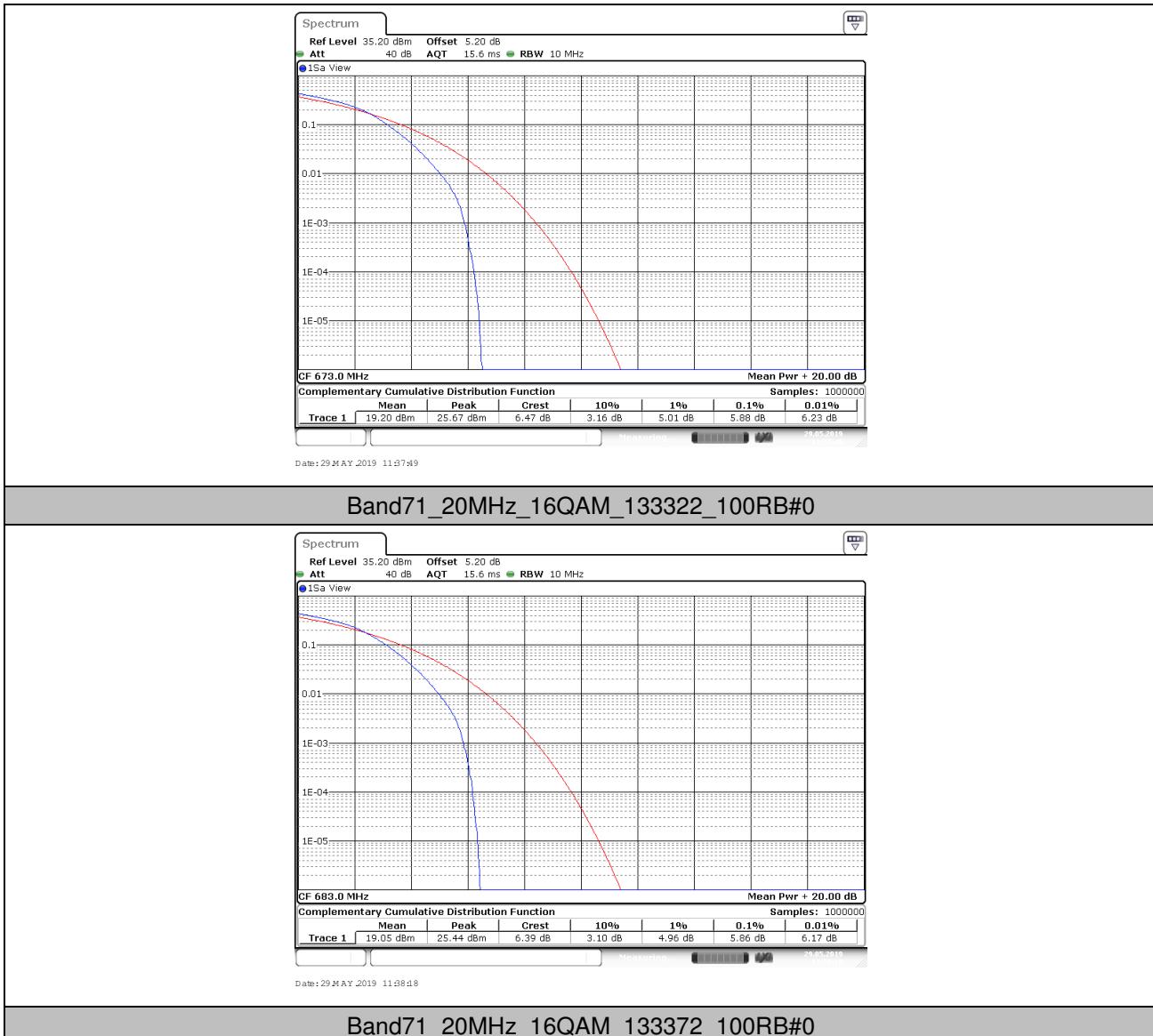
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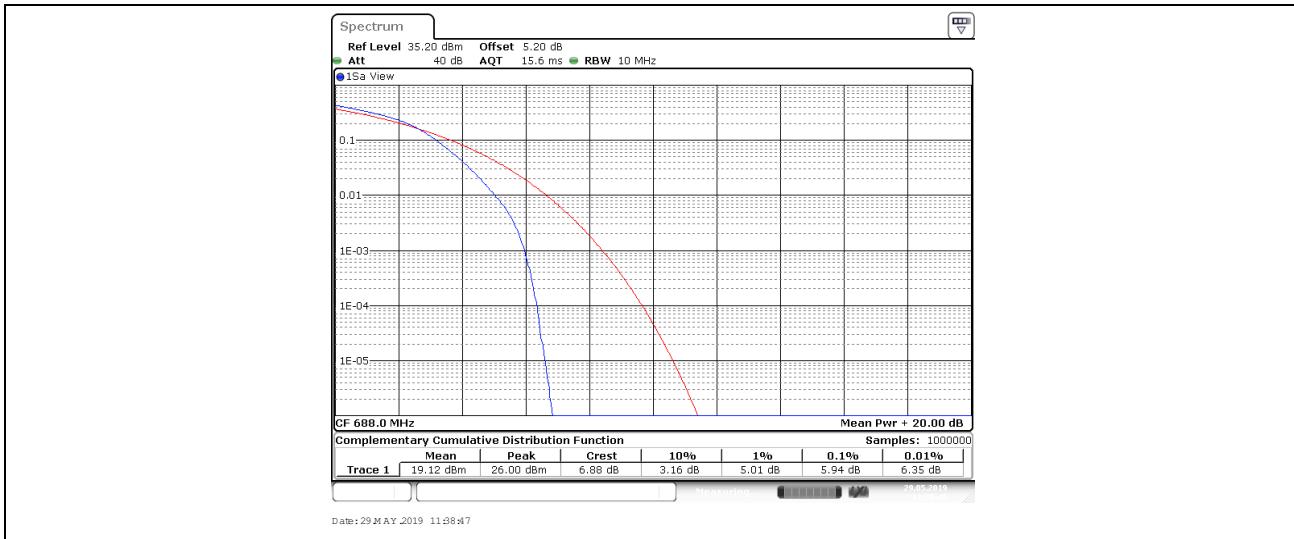
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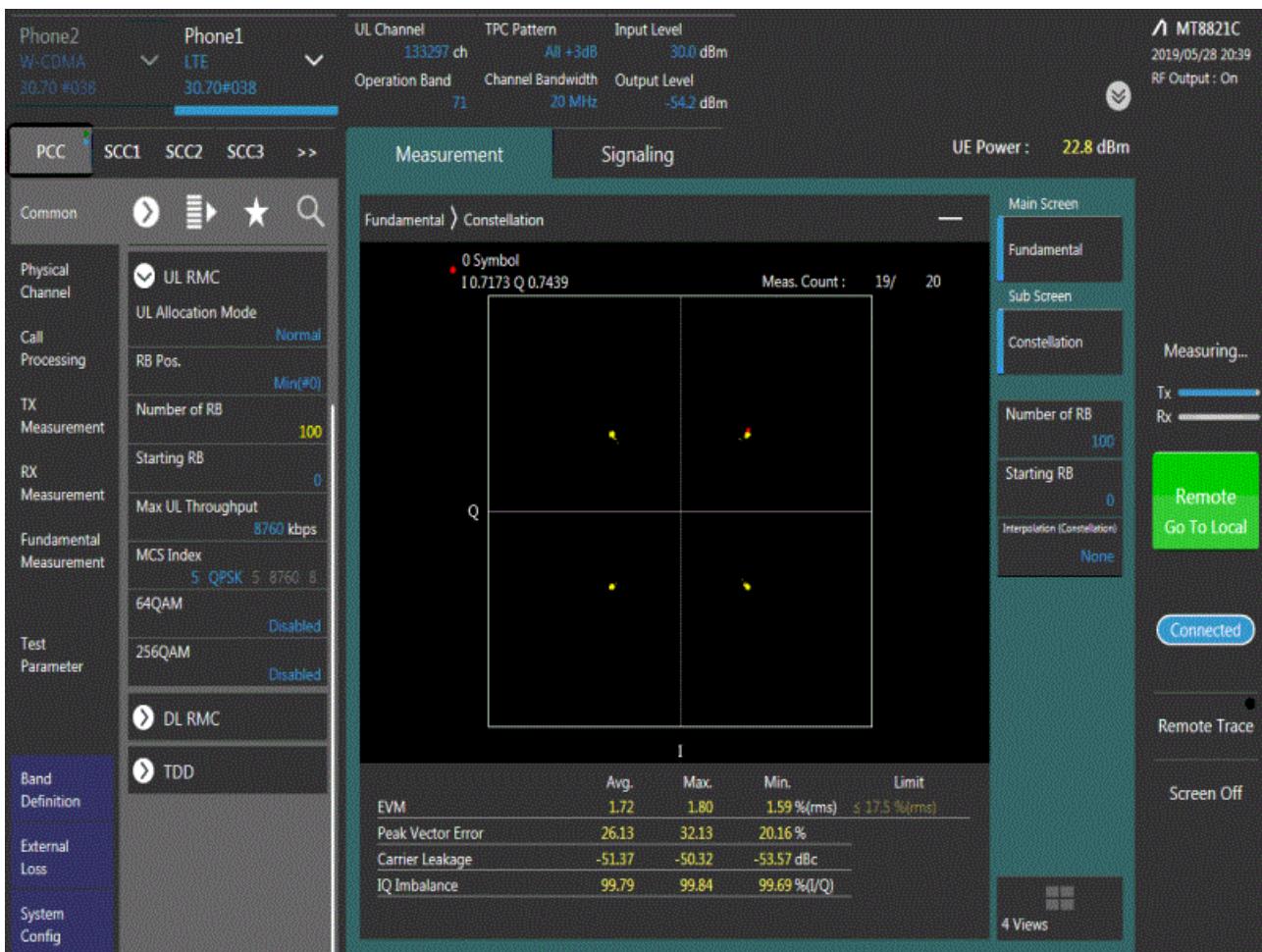
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### 3. Modulation Characteristics

#### 3.1. Test BAND = LTE Band 71

#### 3.2. Test Mode = LTE /TM1 20MHz

##### 3.2.1. Test Channel = MCH



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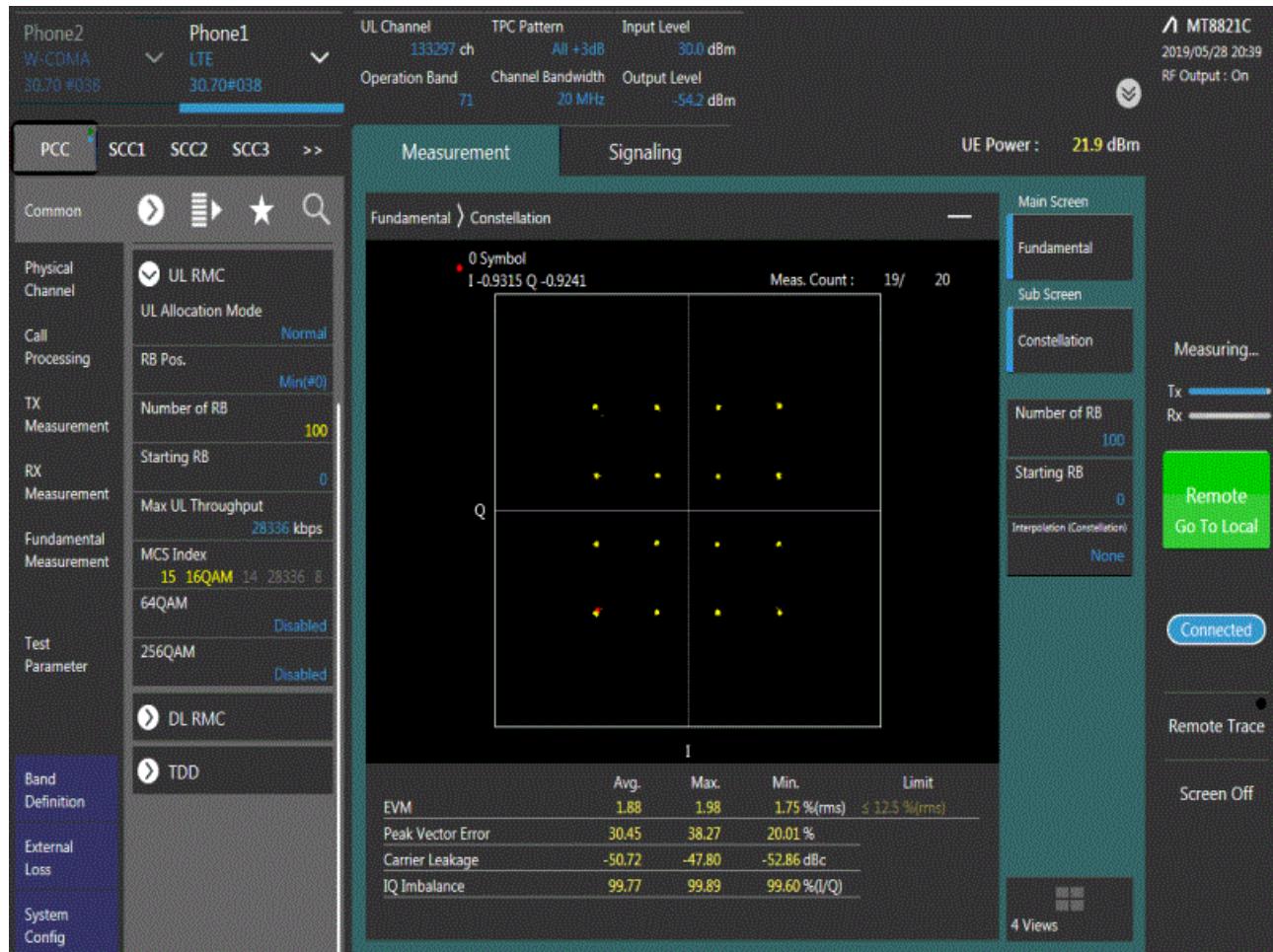


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### 3.3. Test Mode = LTE /TM2 20MHz

#### 3.3.1. Test Channel = MCH



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## 4. 26dB Bandwidth and Occupied Bandwidth

### 4.1. Test Result

BAND	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band71	5MHz	QPSK	133147	25RB#0	4.466	4.930	PASS
Band71	5MHz	QPSK	133297	25RB#0	4.476	4.940	PASS
Band71	5MHz	QPSK	133447	25RB#0	4.476	4.940	PASS
Band71	5MHz	16QAM	133147	25RB#0	4.486	4.960	PASS
Band71	5MHz	16QAM	133297	25RB#0	4.476	4.940	PASS
Band71	5MHz	16QAM	133447	25RB#0	4.486	4.930	PASS
Band71	10MHz	QPSK	133172	50RB#0	8.931	9.700	PASS
Band71	10MHz	QPSK	133297	50RB#0	8.911	9.660	PASS
Band71	10MHz	QPSK	133422	50RB#0	8.891	9.700	PASS
Band71	10MHz	16QAM	133172	50RB#0	8.931	9.740	PASS
Band71	10MHz	16QAM	133297	50RB#0	8.911	9.740	PASS
Band71	10MHz	16QAM	133422	50RB#0	8.891	9.700	PASS
Band71	15MHz	QPSK	133197	75RB#0	13.457	14.760	PASS
Band71	15MHz	QPSK	133297	75RB#0	13.397	14.700	PASS
Band71	15MHz	QPSK	133397	75RB#0	13.397	14.730	PASS
Band71	15MHz	16QAM	133197	75RB#0	13.427	14.730	PASS
Band71	15MHz	16QAM	133297	75RB#0	13.427	14.640	PASS
Band71	15MHz	16QAM	133397	75RB#0	13.397	14.640	PASS
Band71	20MHz	QPSK	133222	100RB#0	17.822	19.280	PASS
Band71	20MHz	QPSK	133322	100RB#0	17.822	19.320	PASS
Band71	20MHz	QPSK	133372	100RB#0	17.822	19.400	PASS
Band71	20MHz	16QAM	133222	100RB#0	17.822	19.240	PASS
Band71	20MHz	16QAM	133322	100RB#0	17.822	19.360	PASS
Band71	20MHz	16QAM	133372	100RB#0	17.822	19.320	PASS

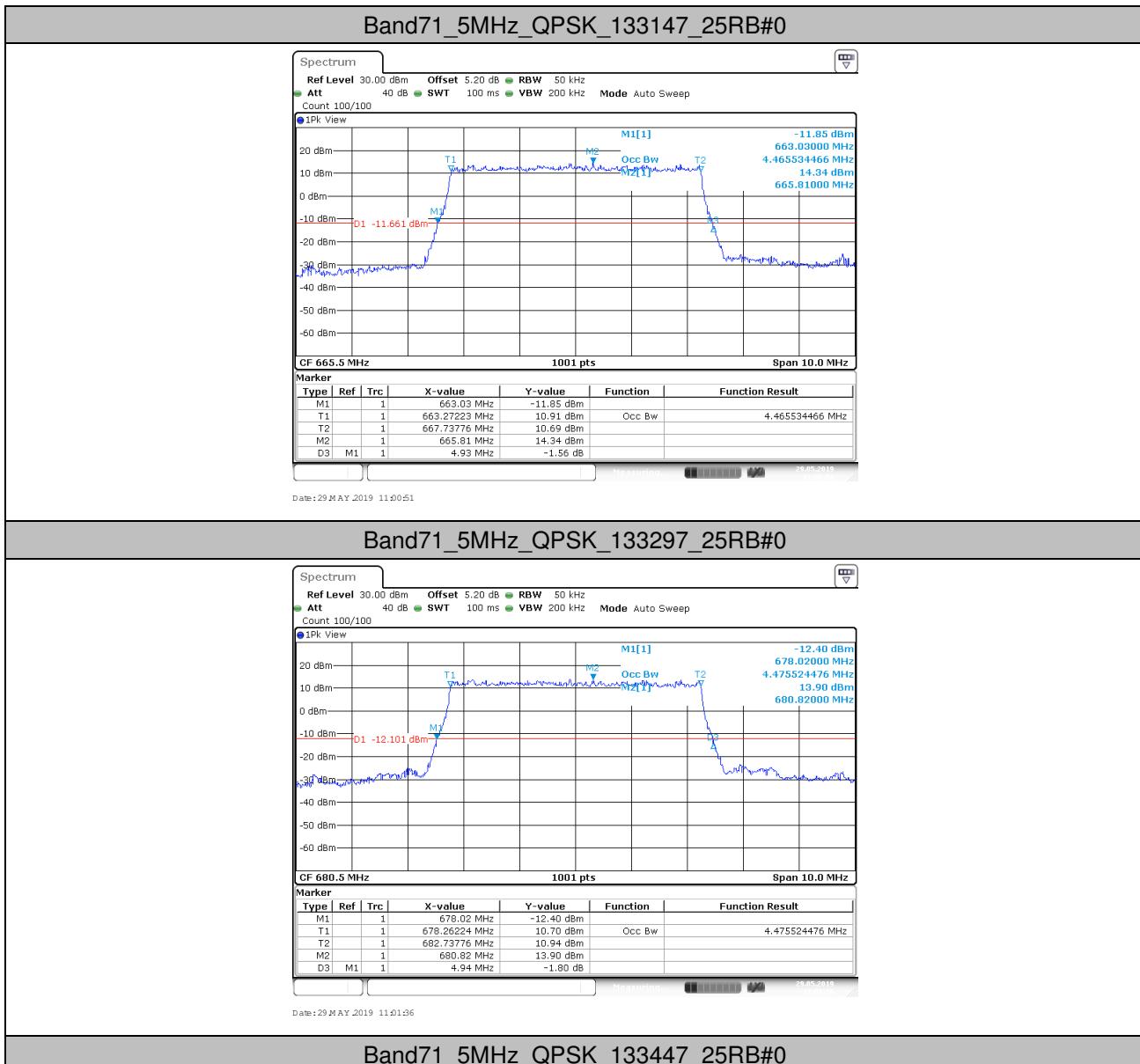
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## 4.2. Test Plots

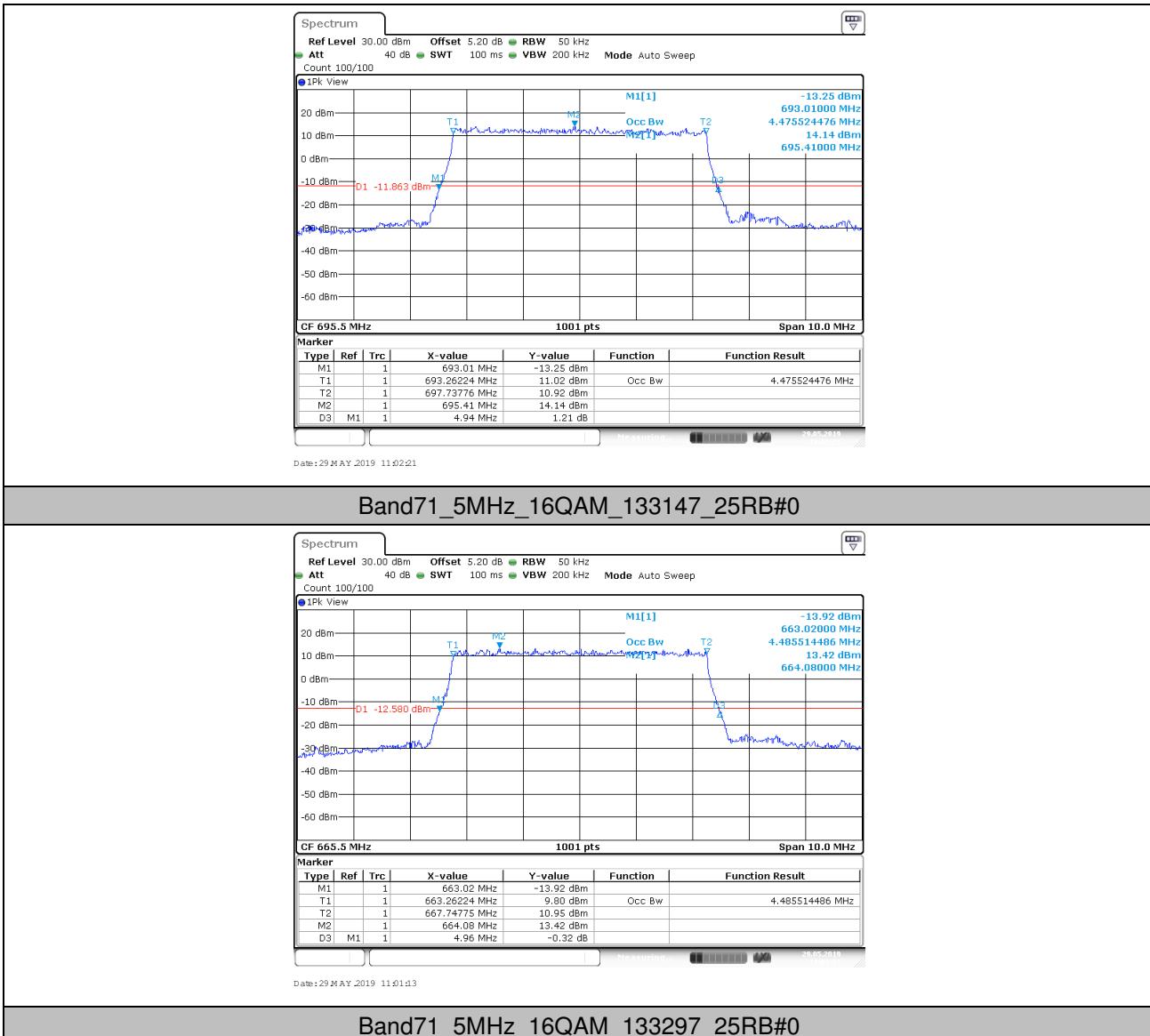


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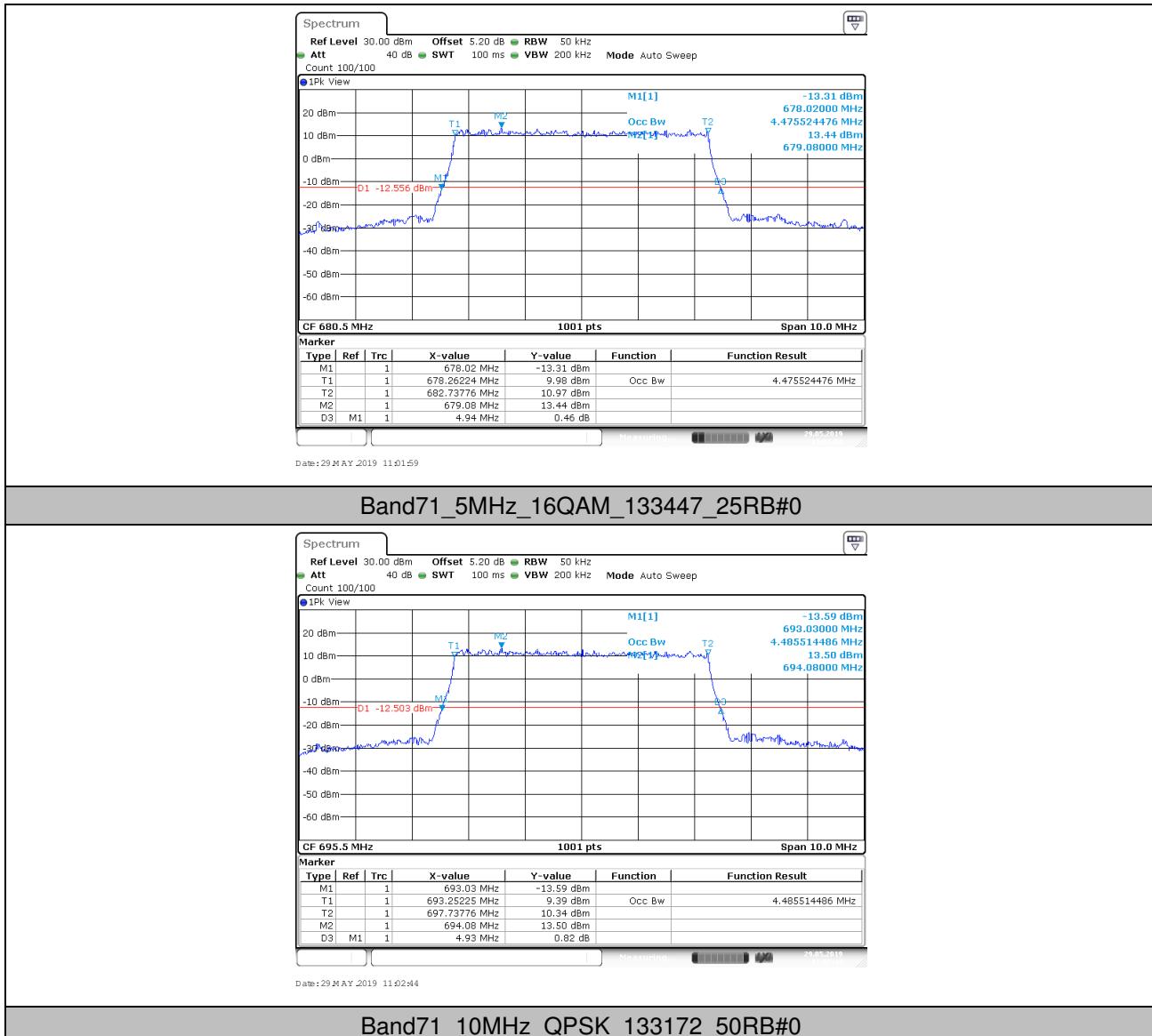


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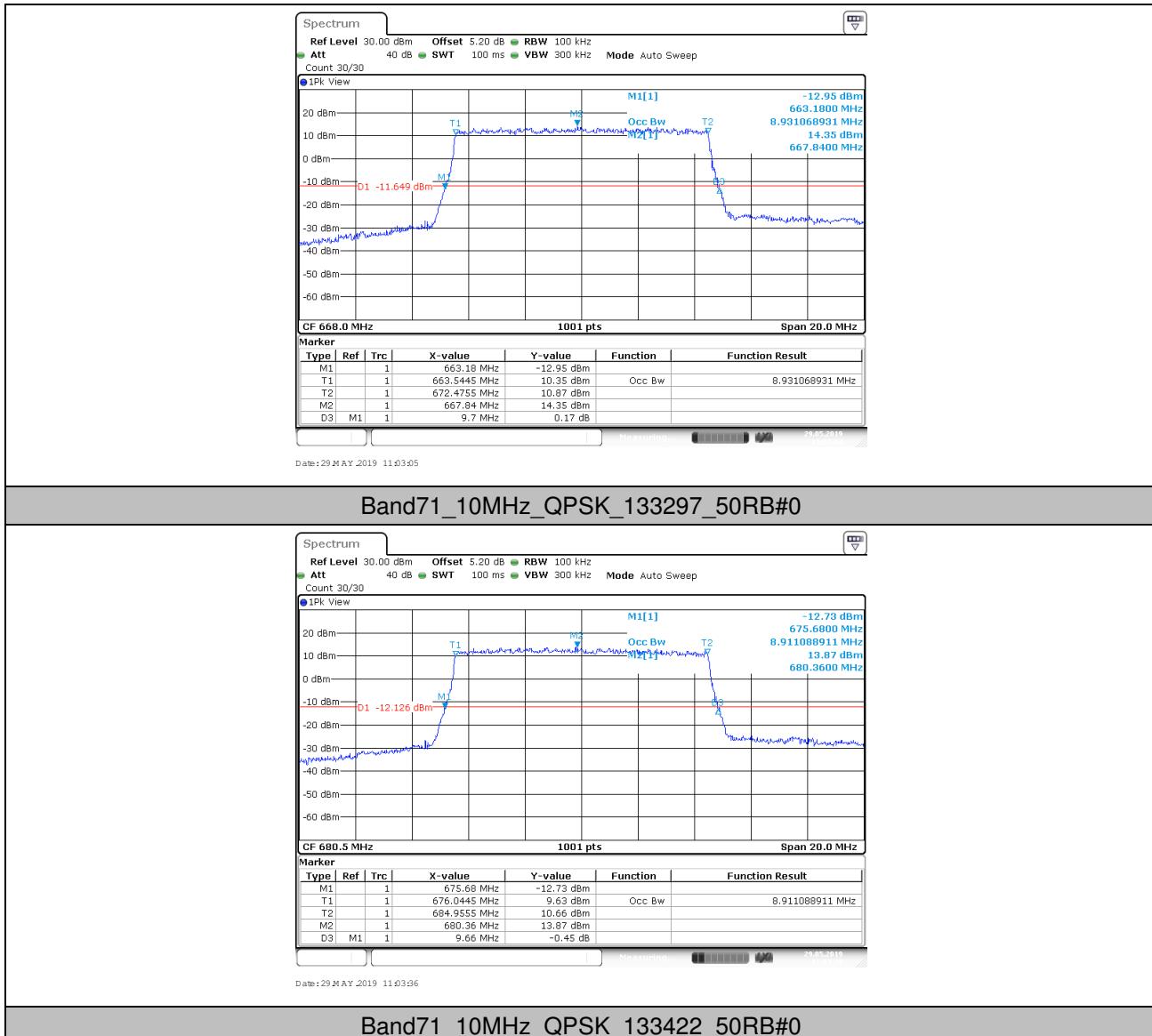
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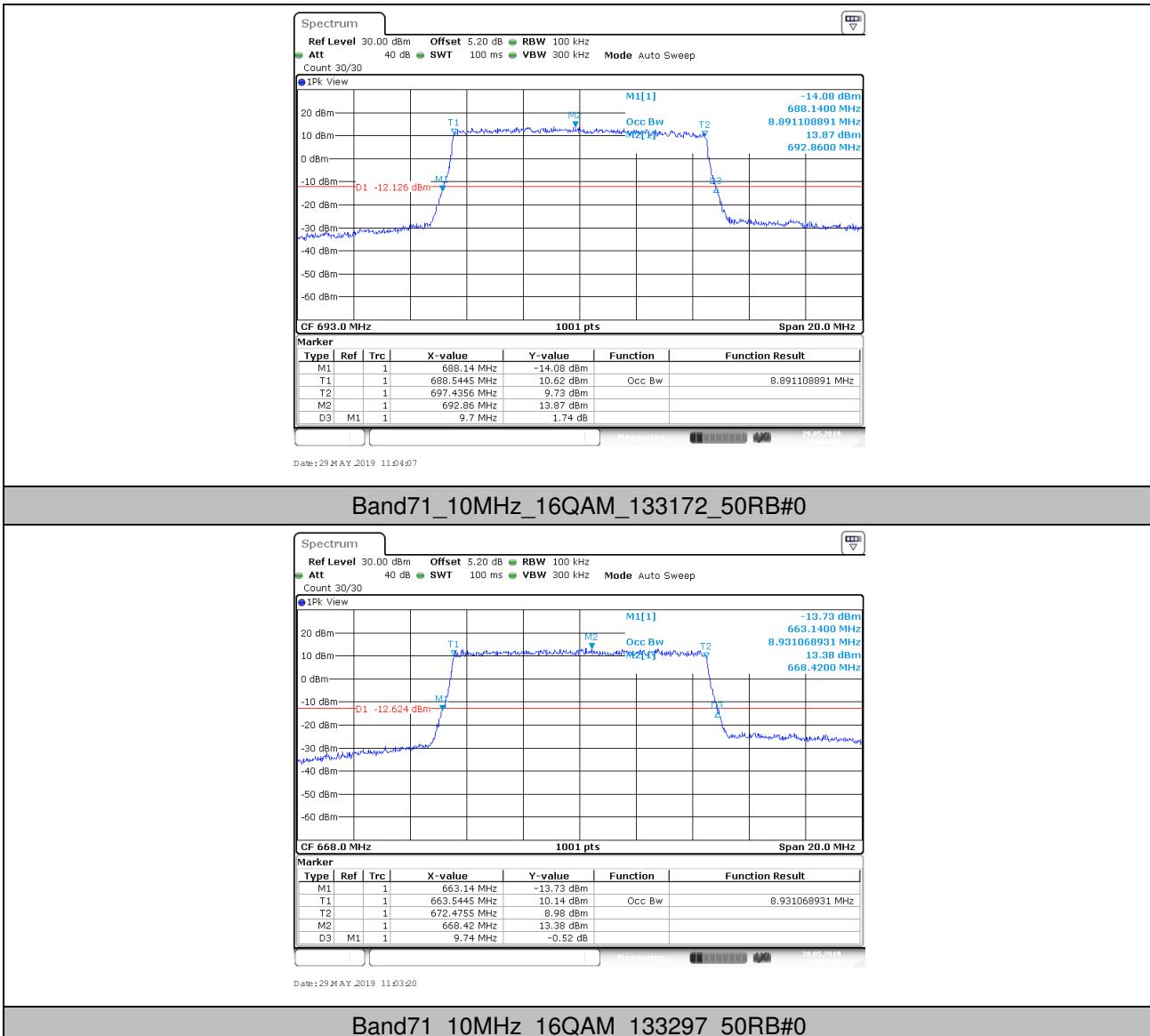
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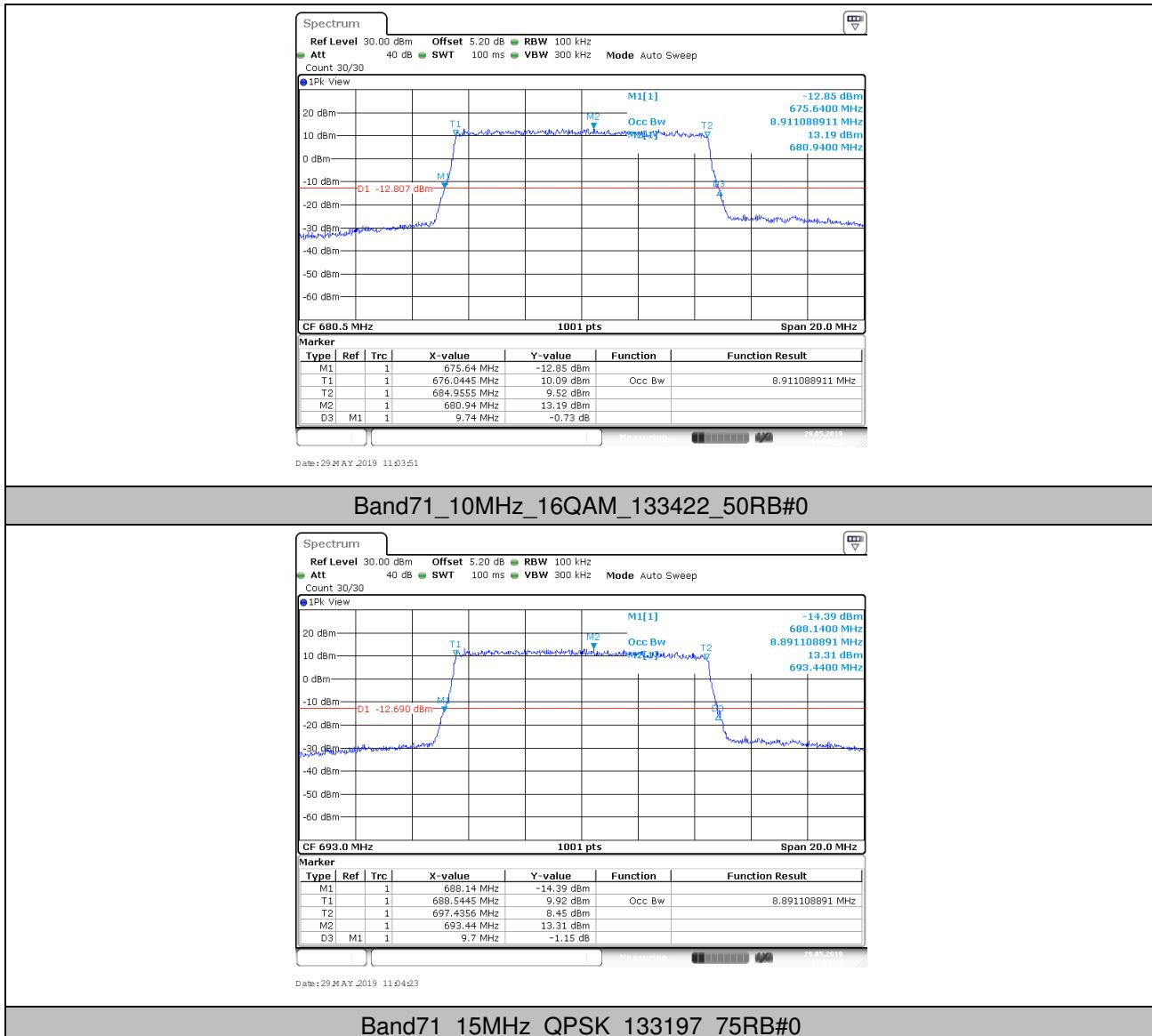


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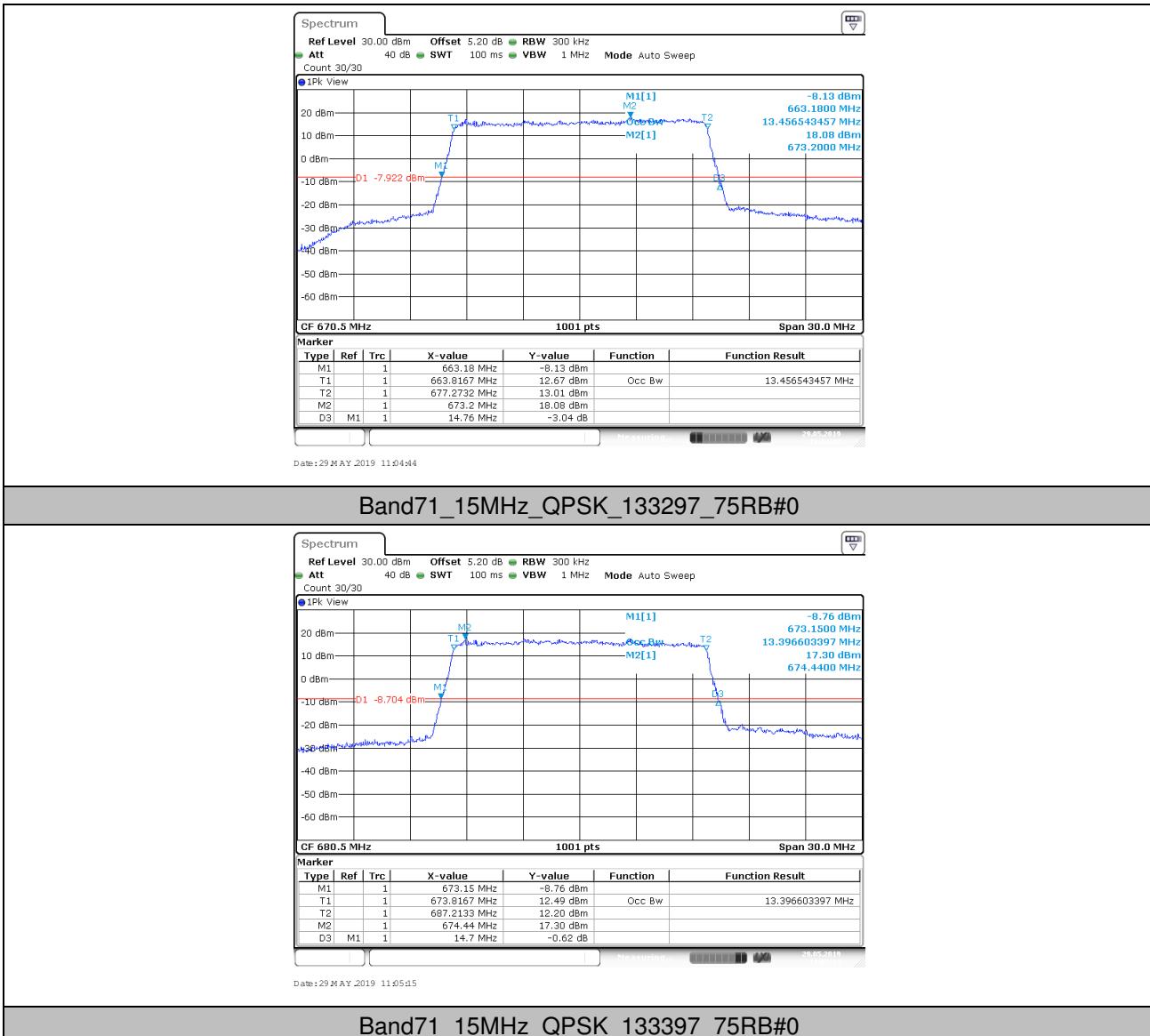


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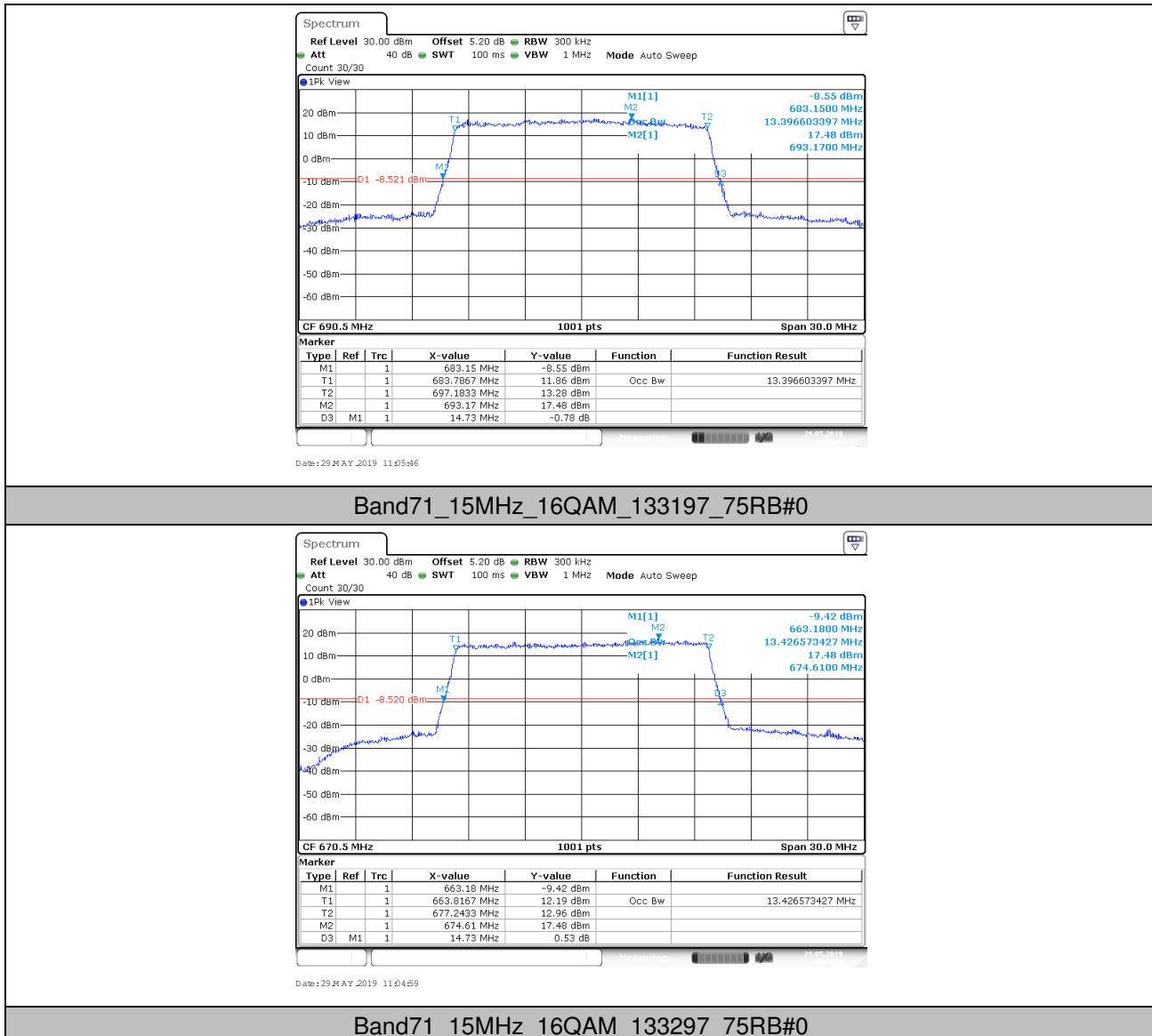


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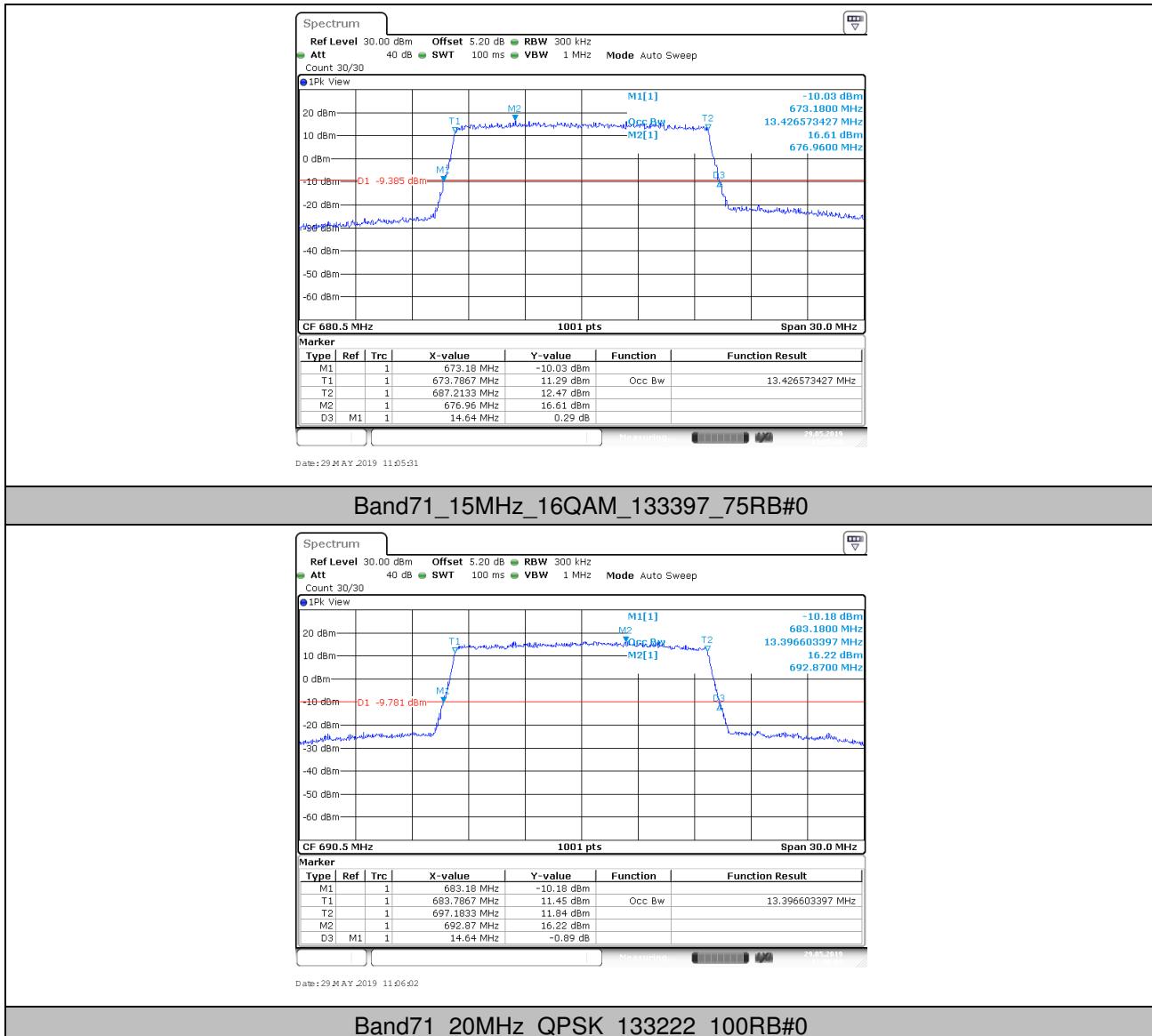
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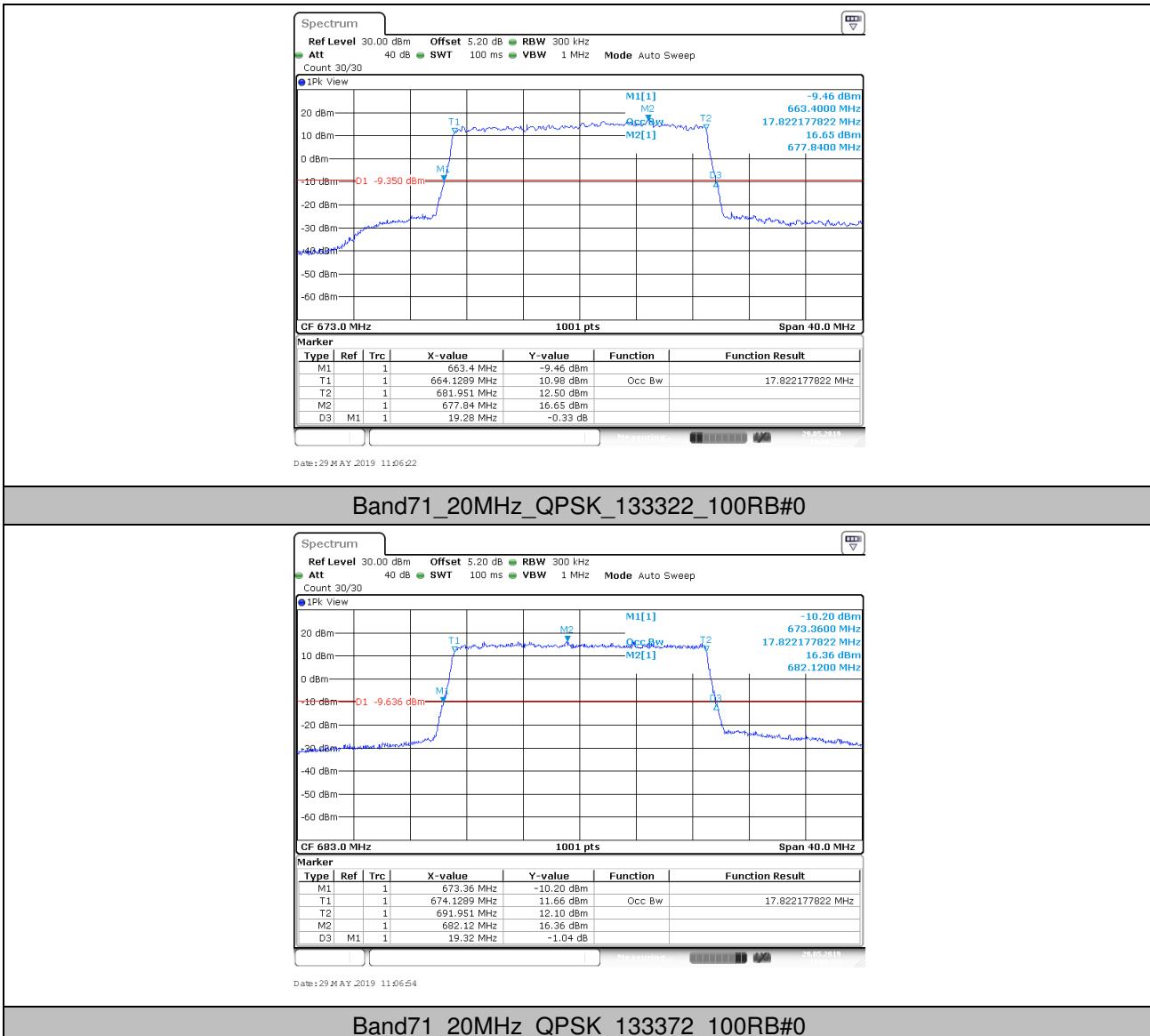


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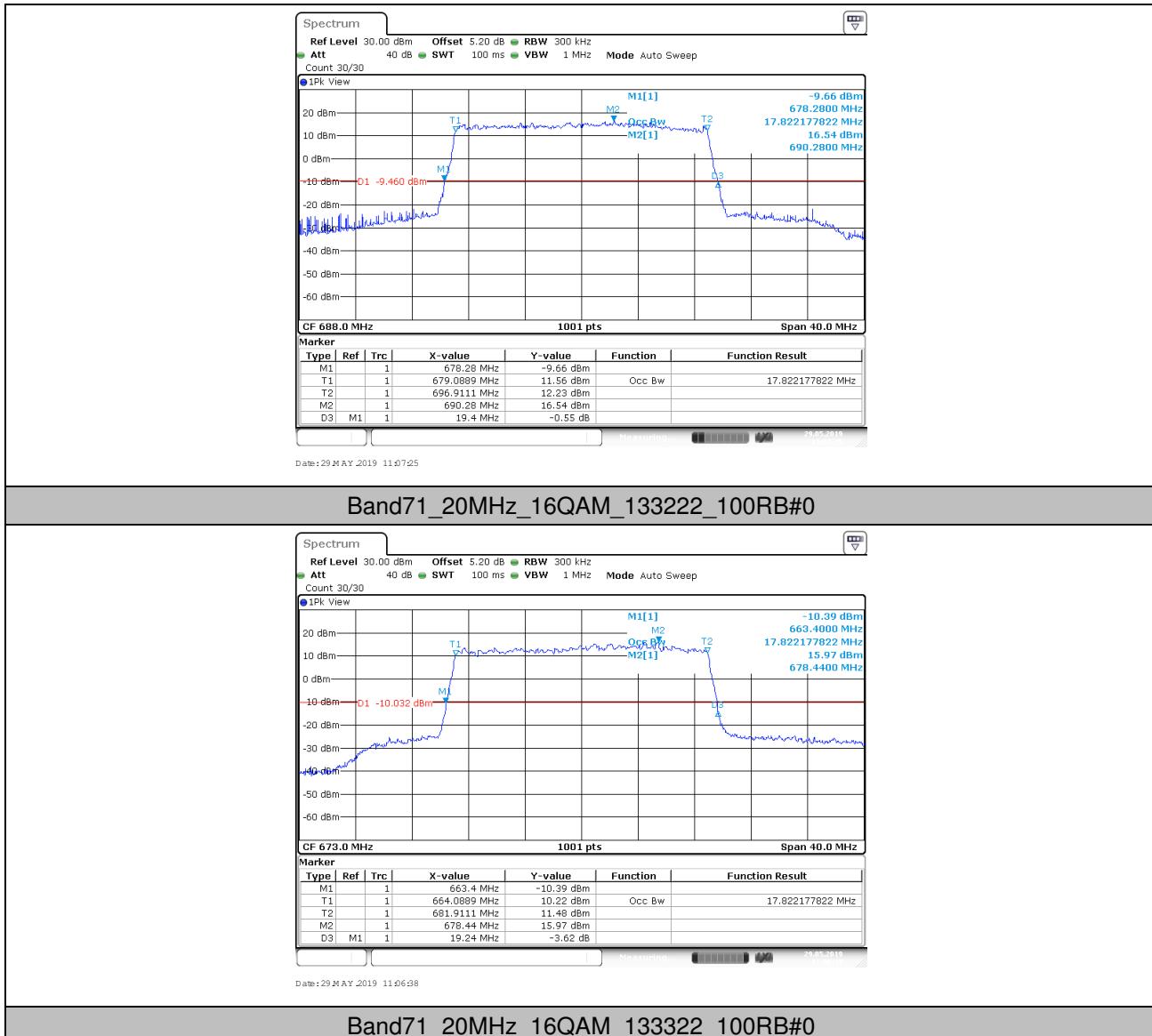


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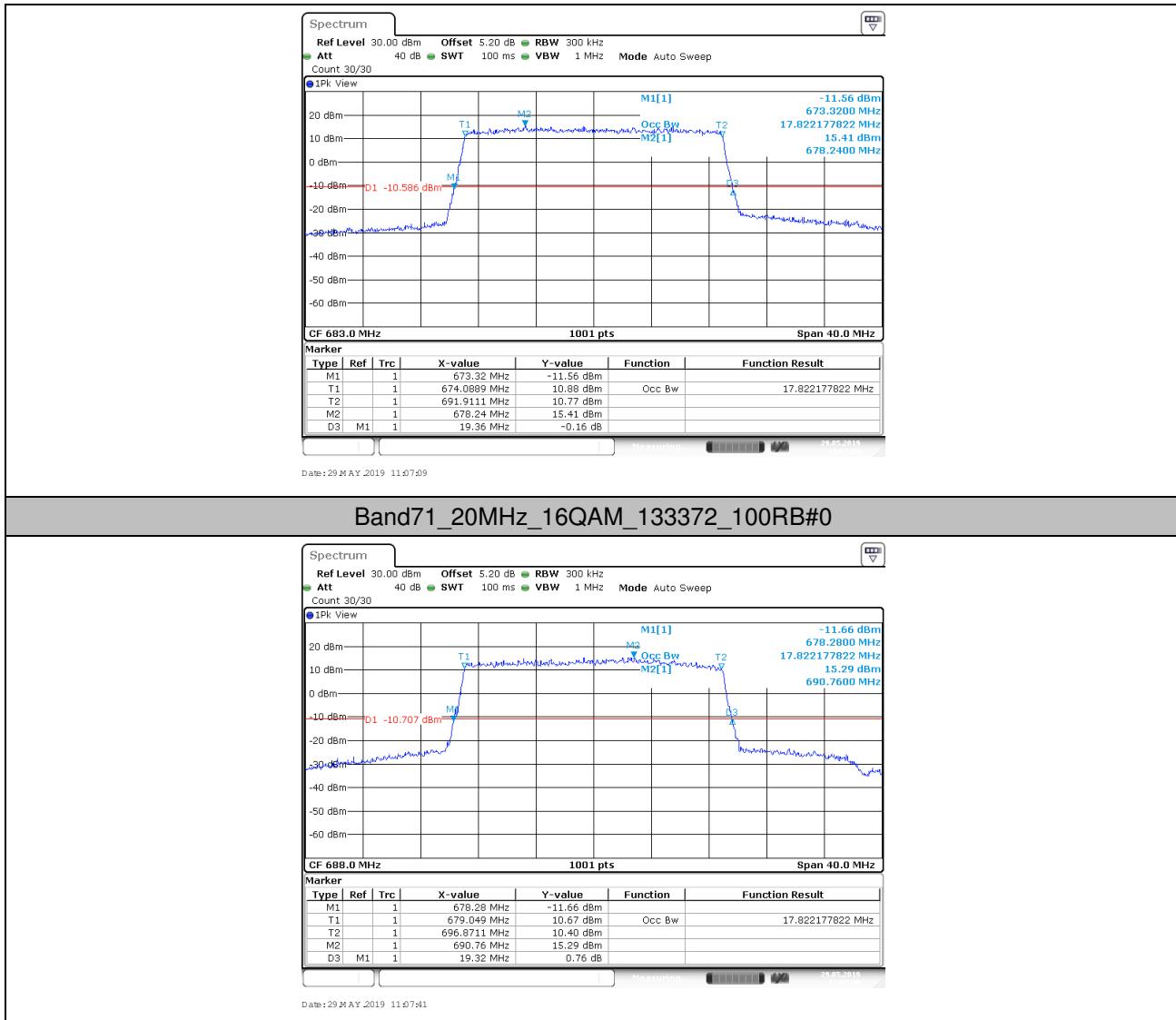
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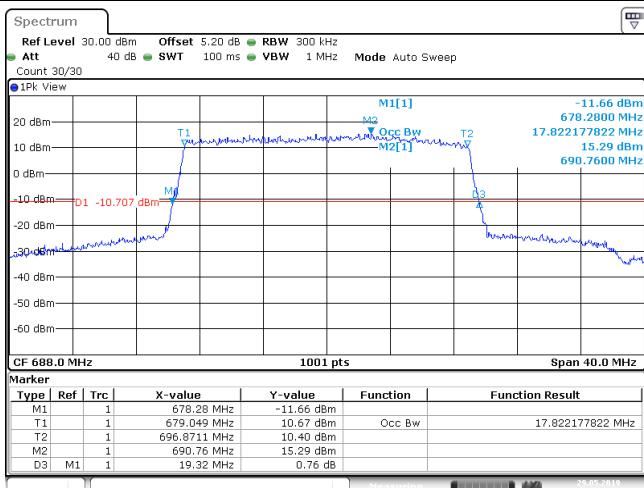
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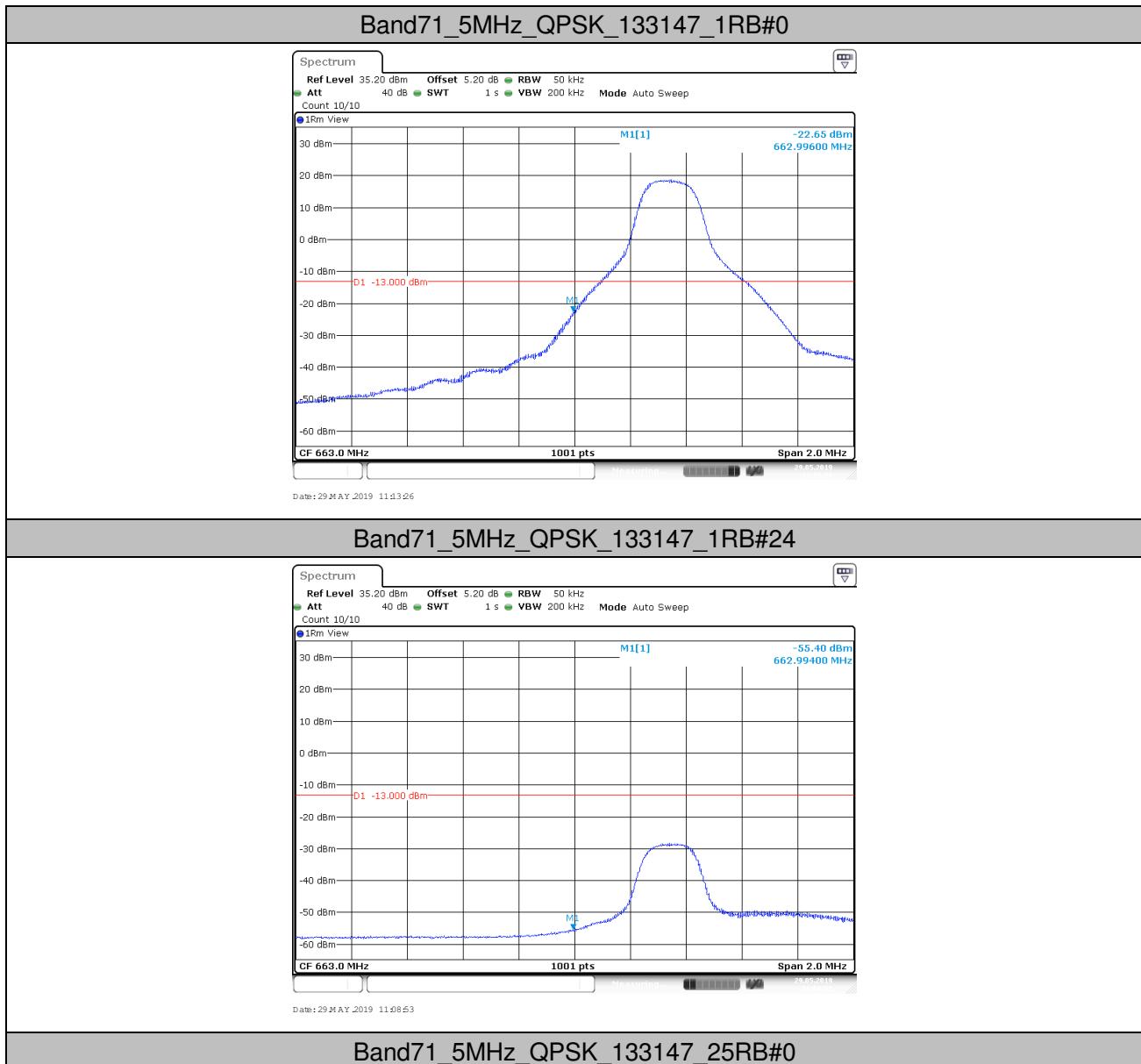
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## 5. Band Edge Compliance

### 5.1. Test Plots



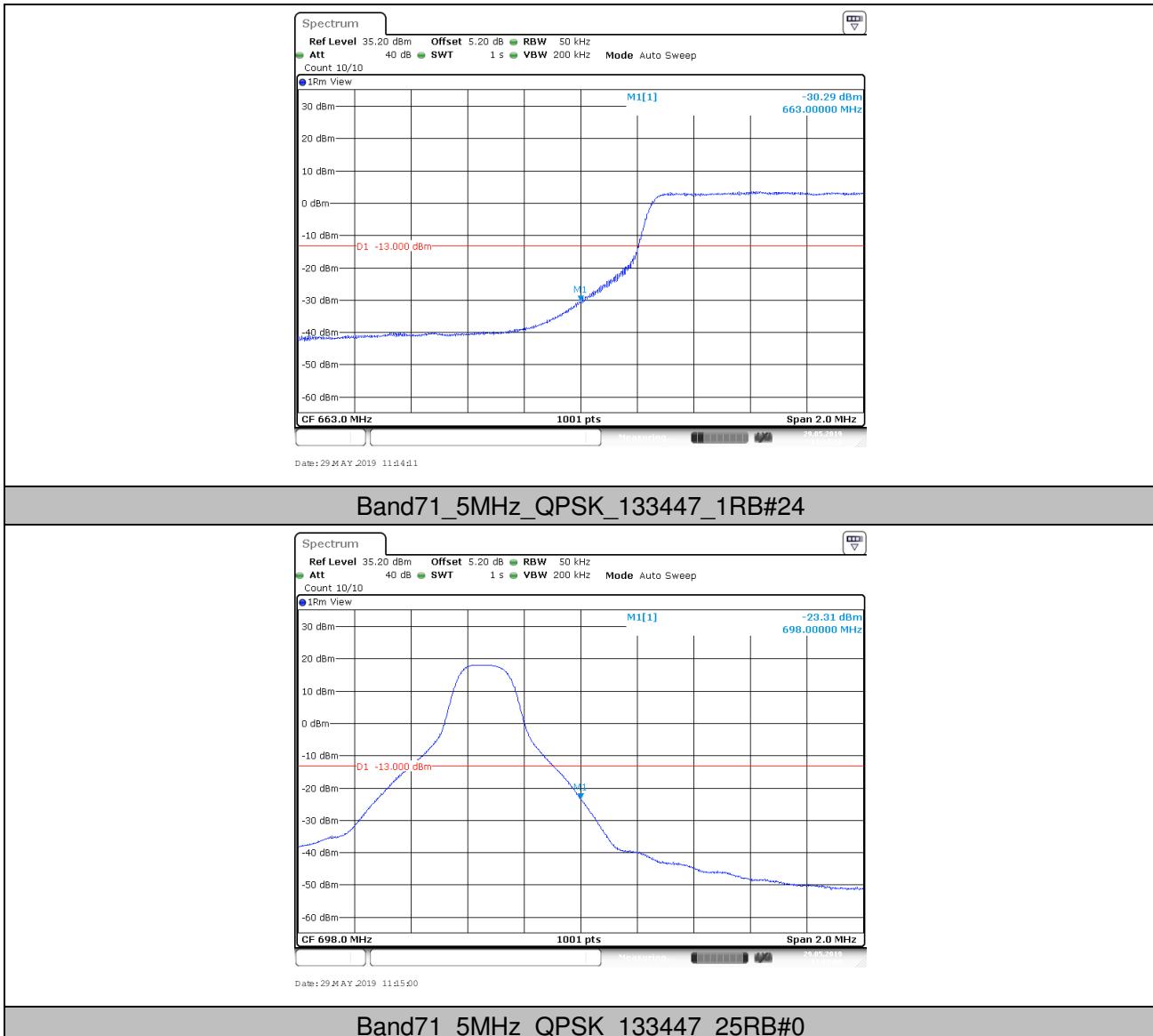
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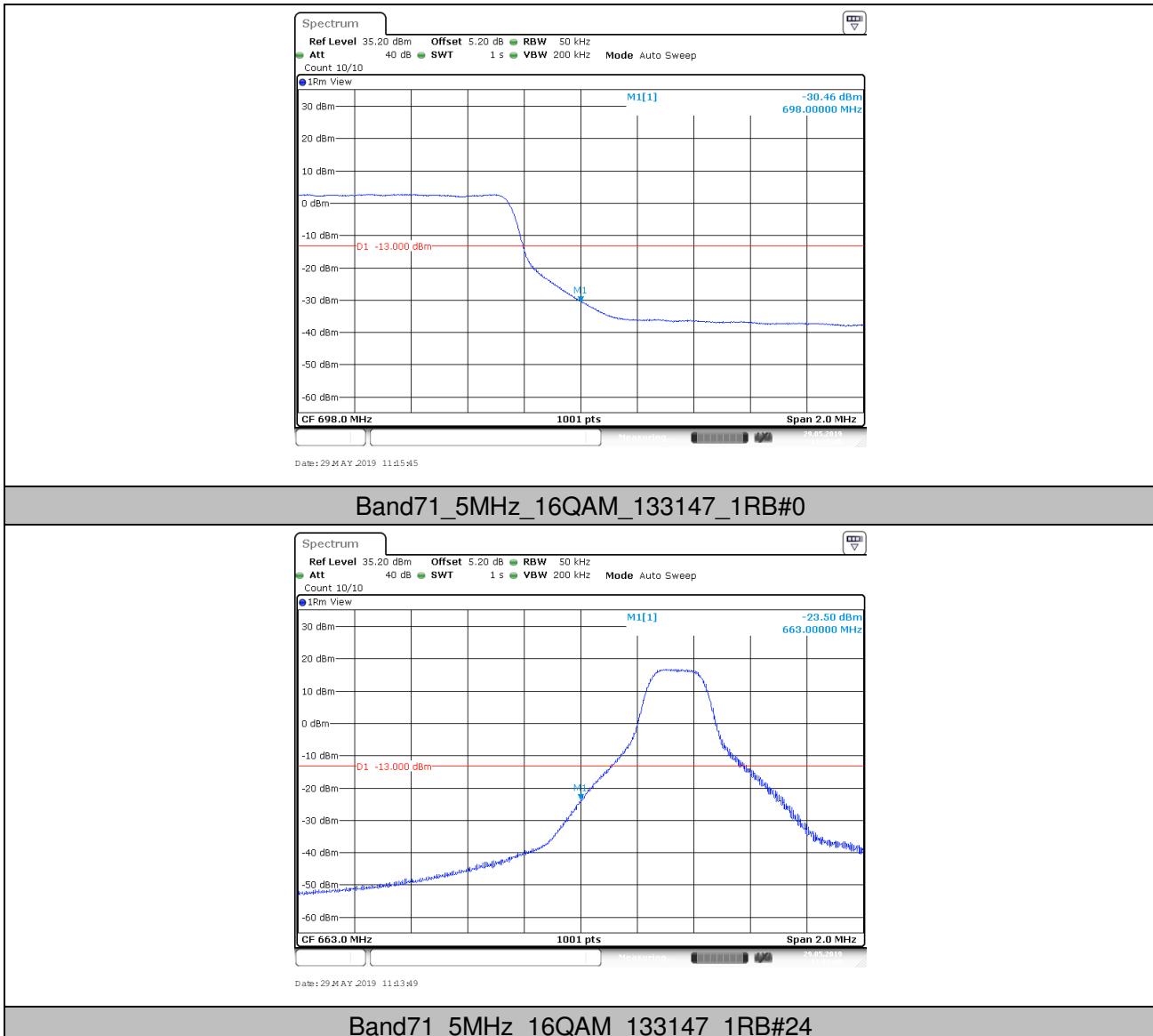


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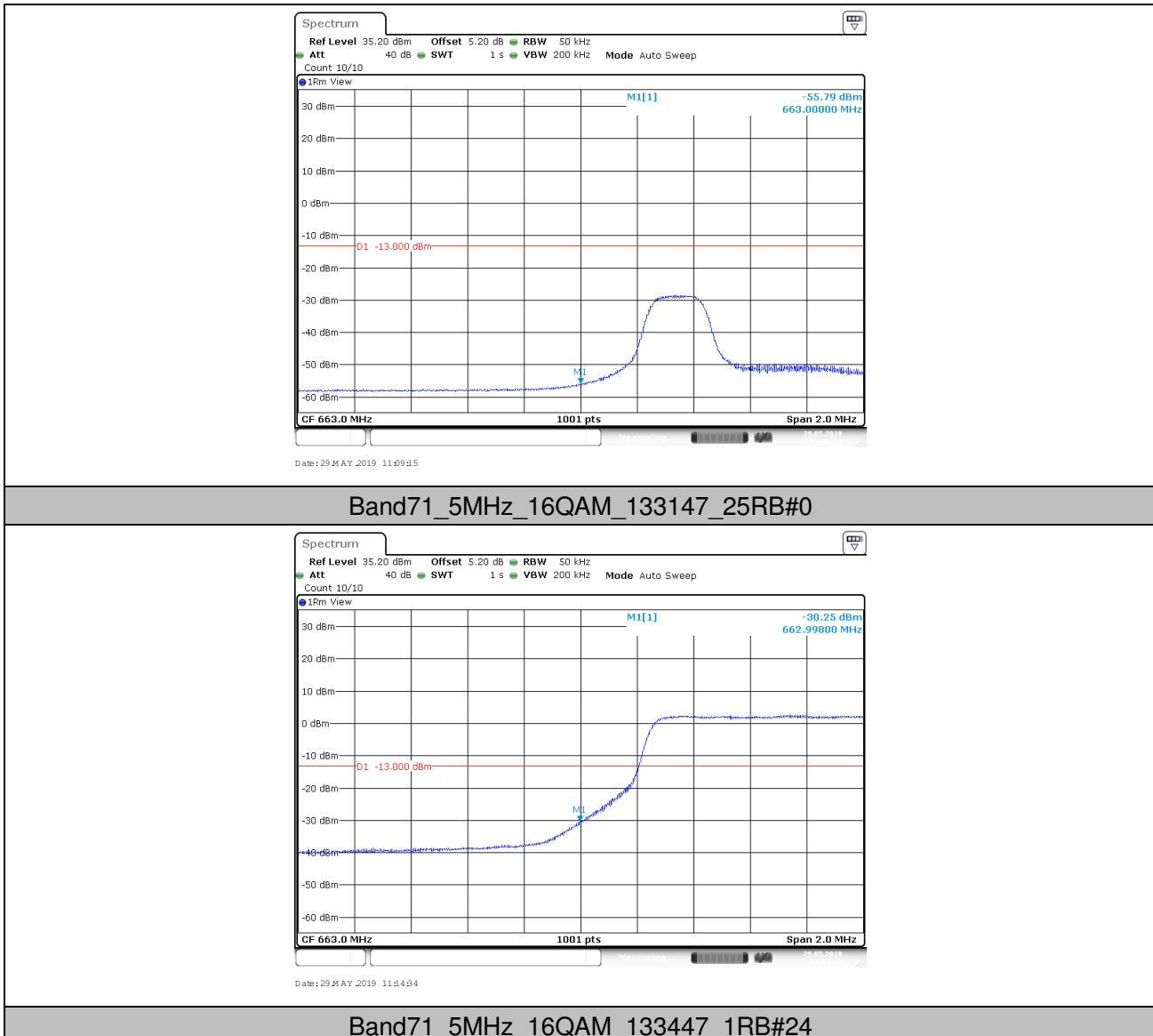


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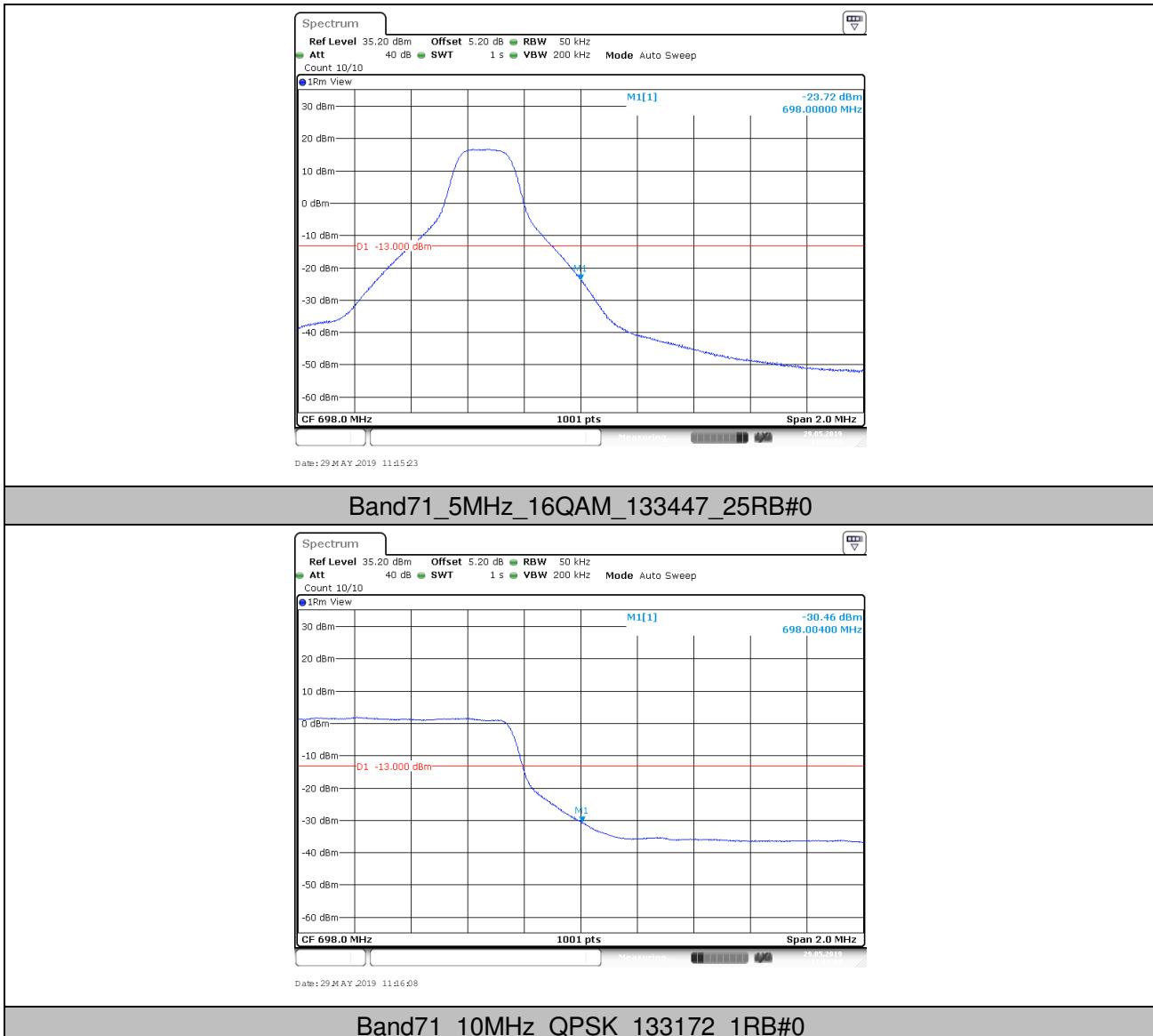


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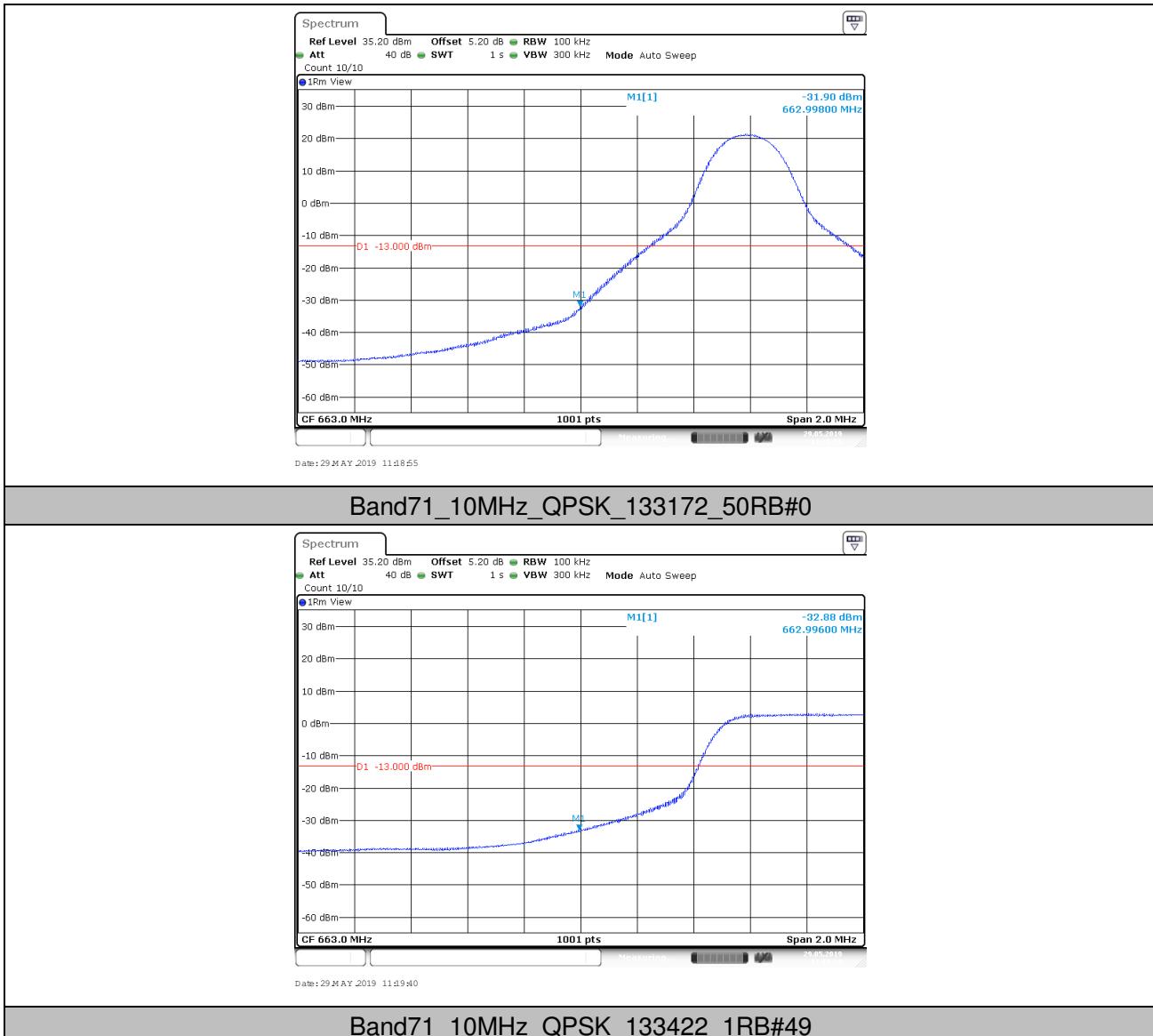


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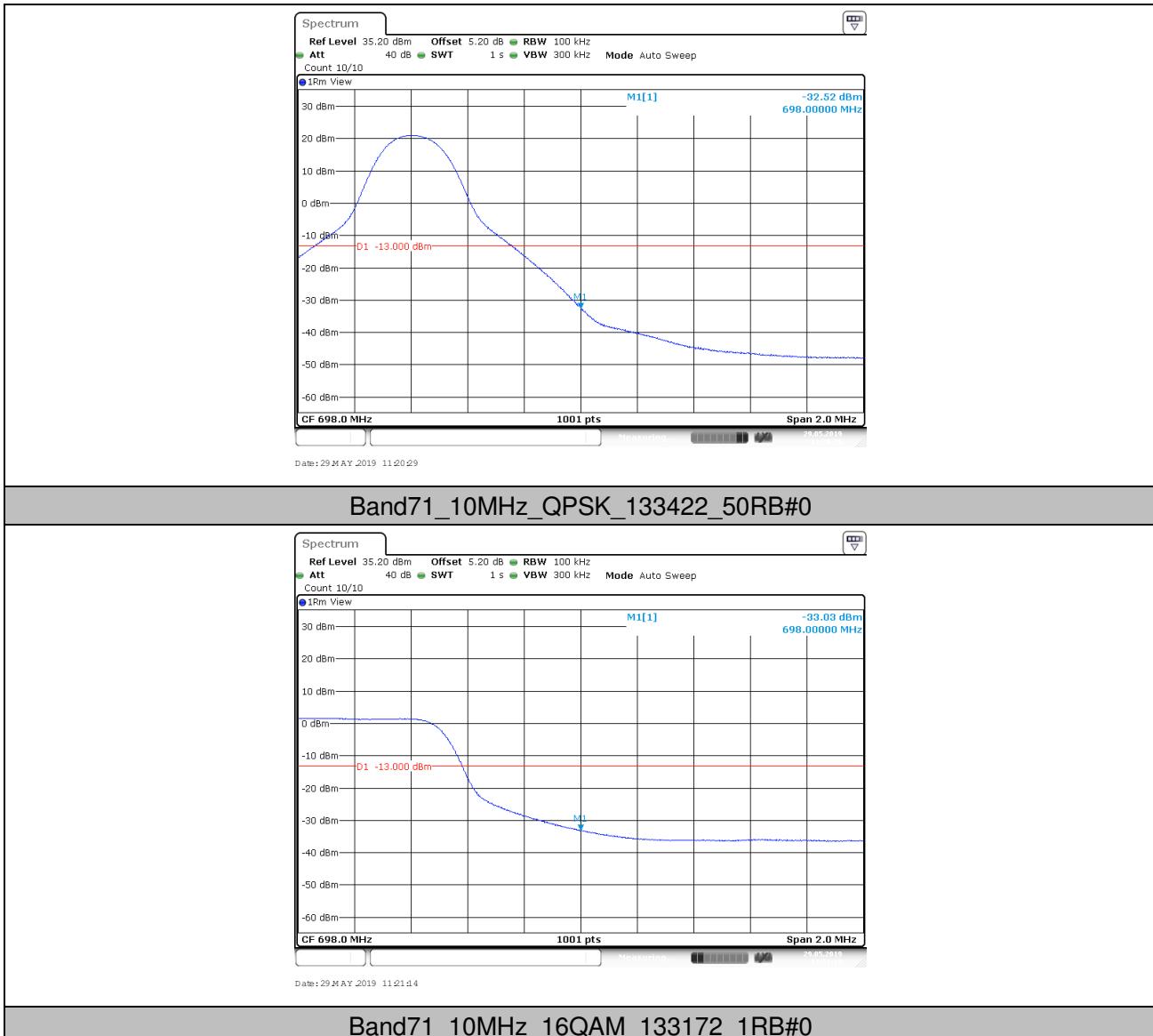
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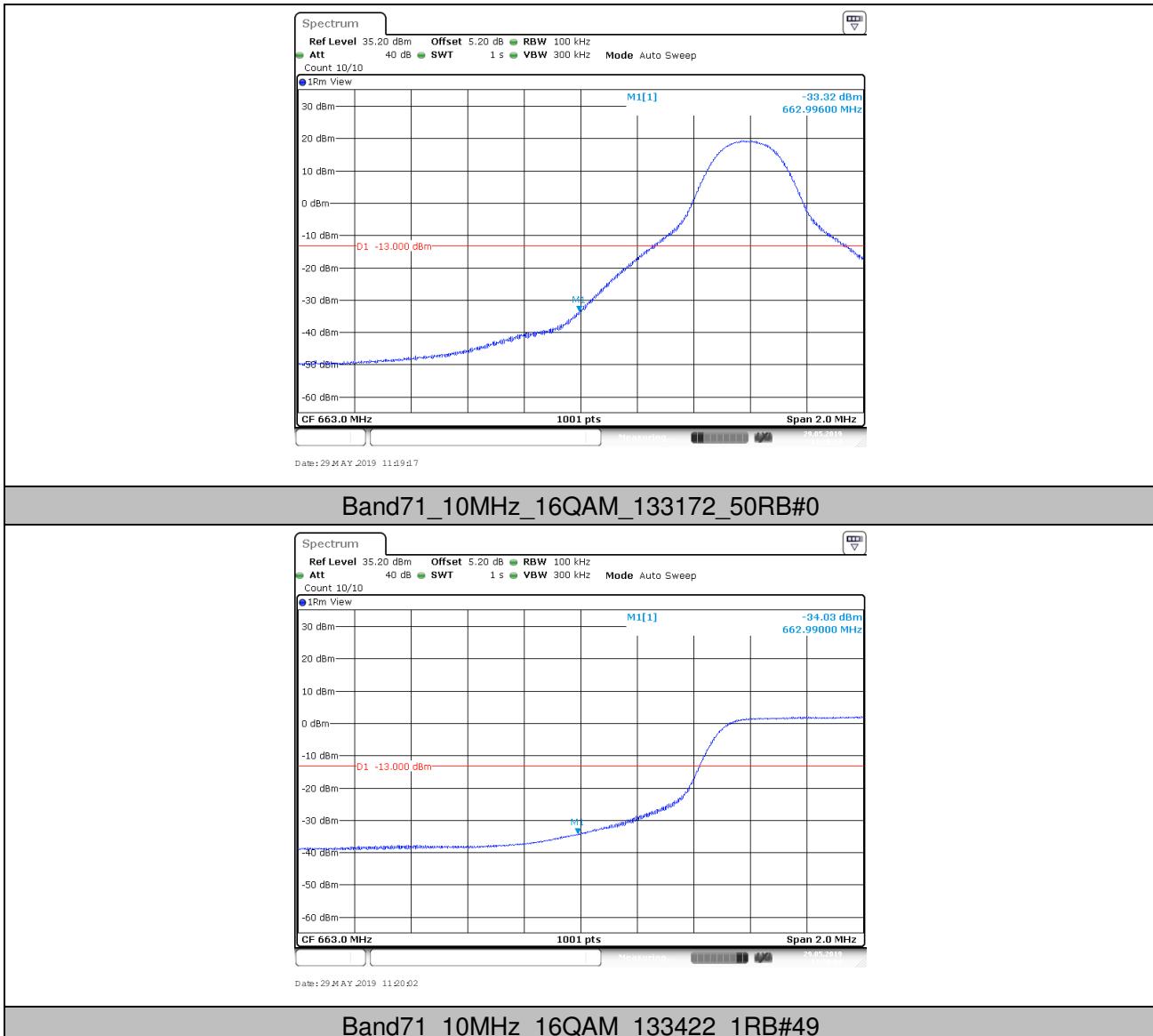
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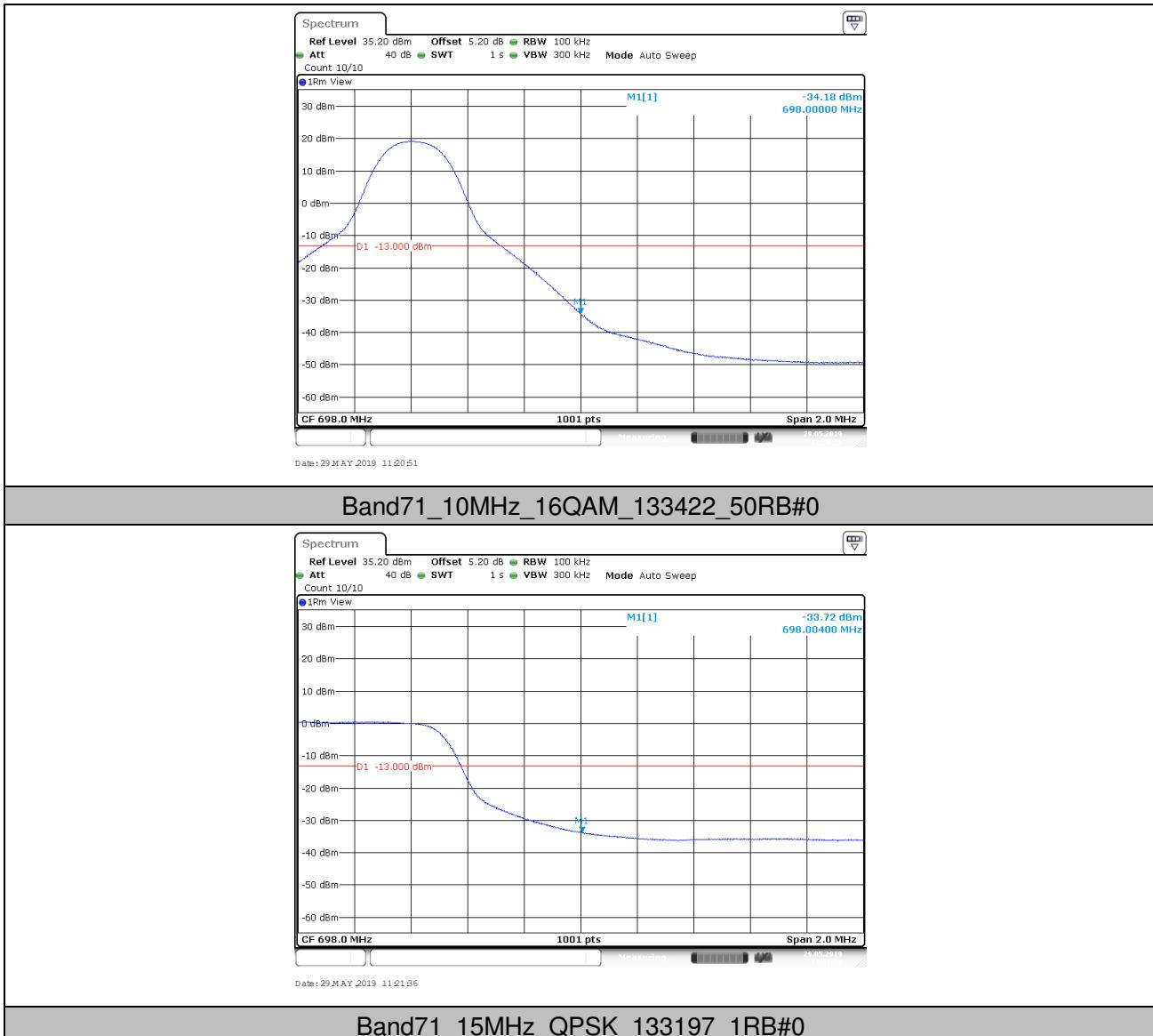


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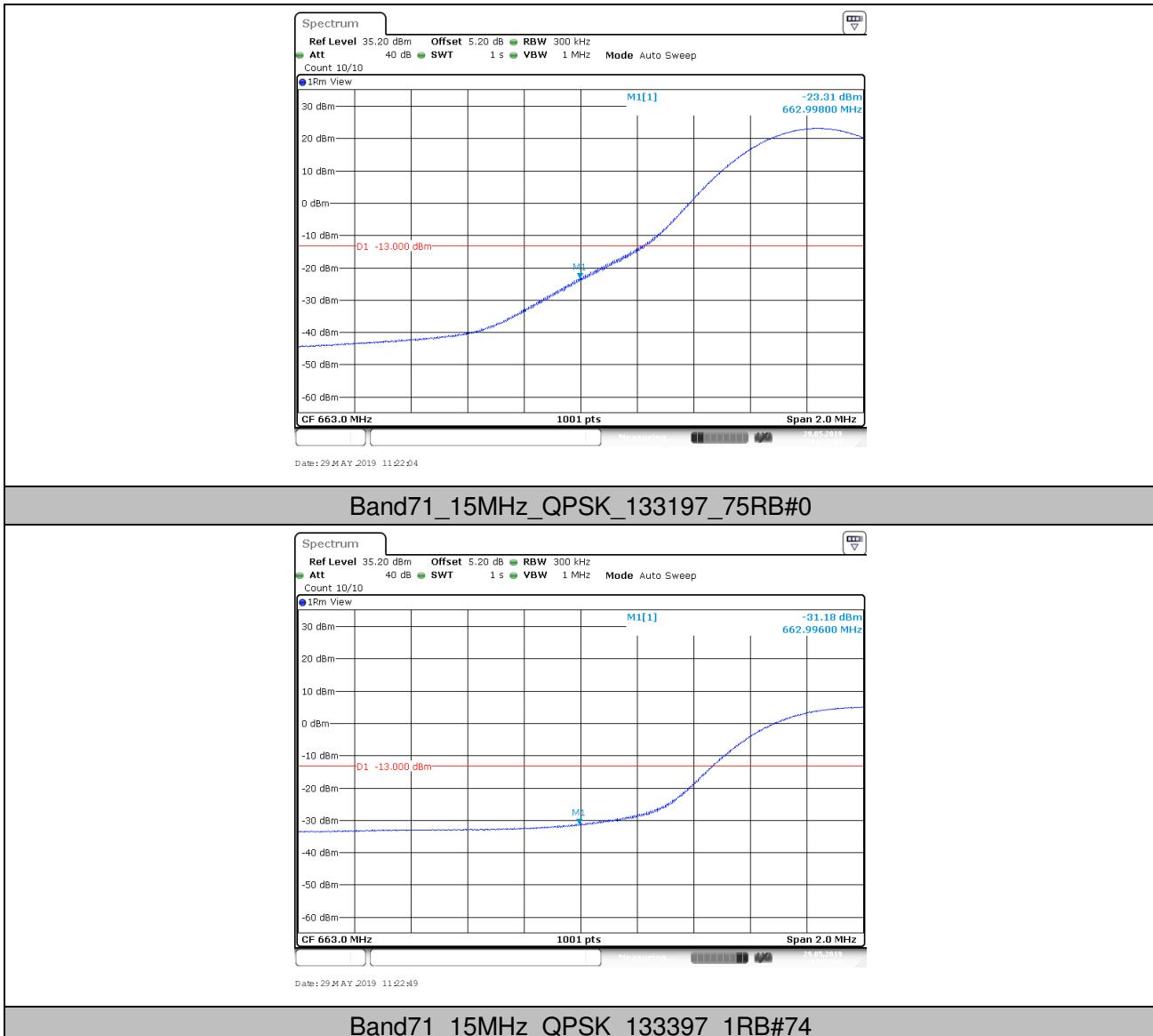


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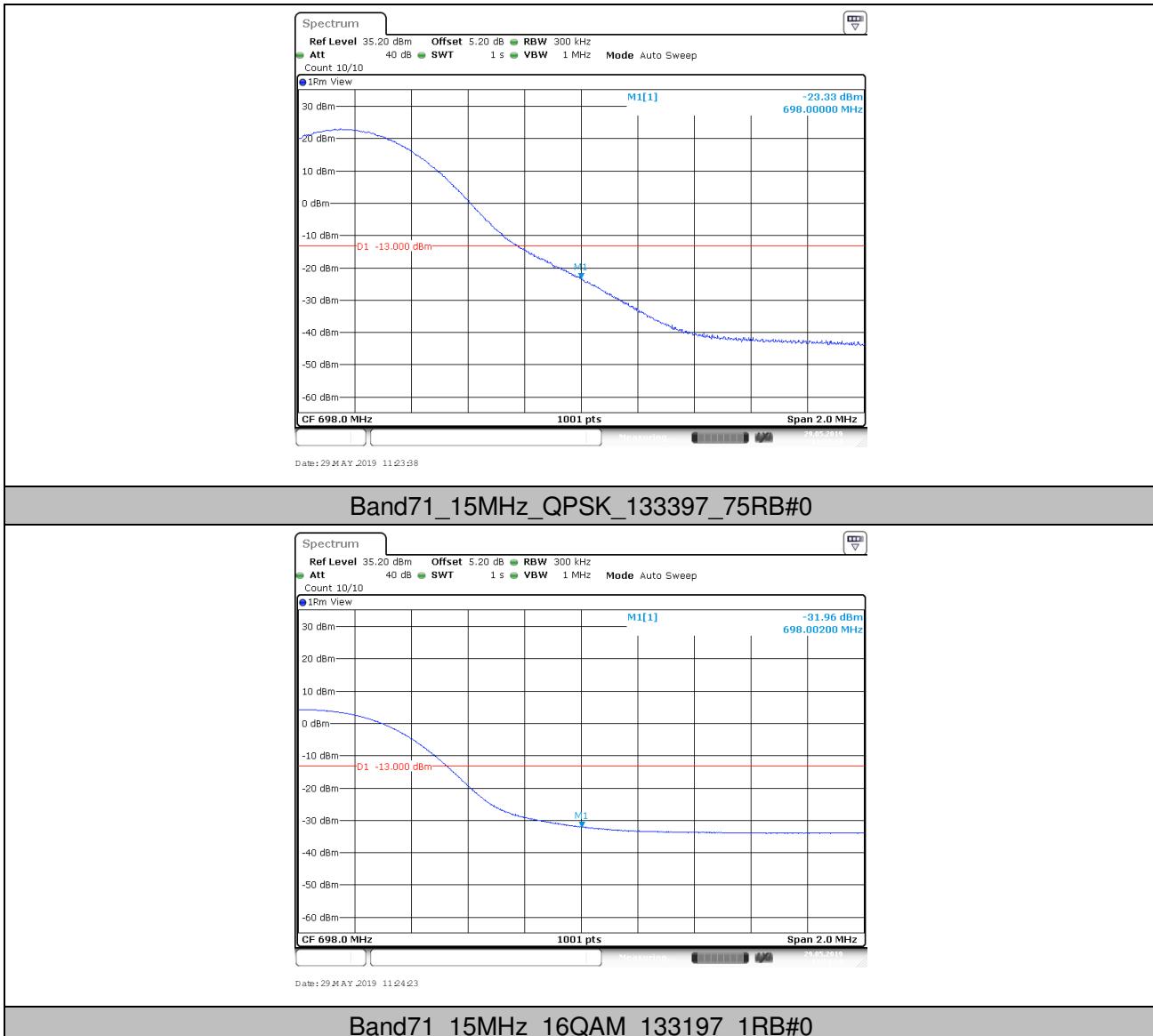
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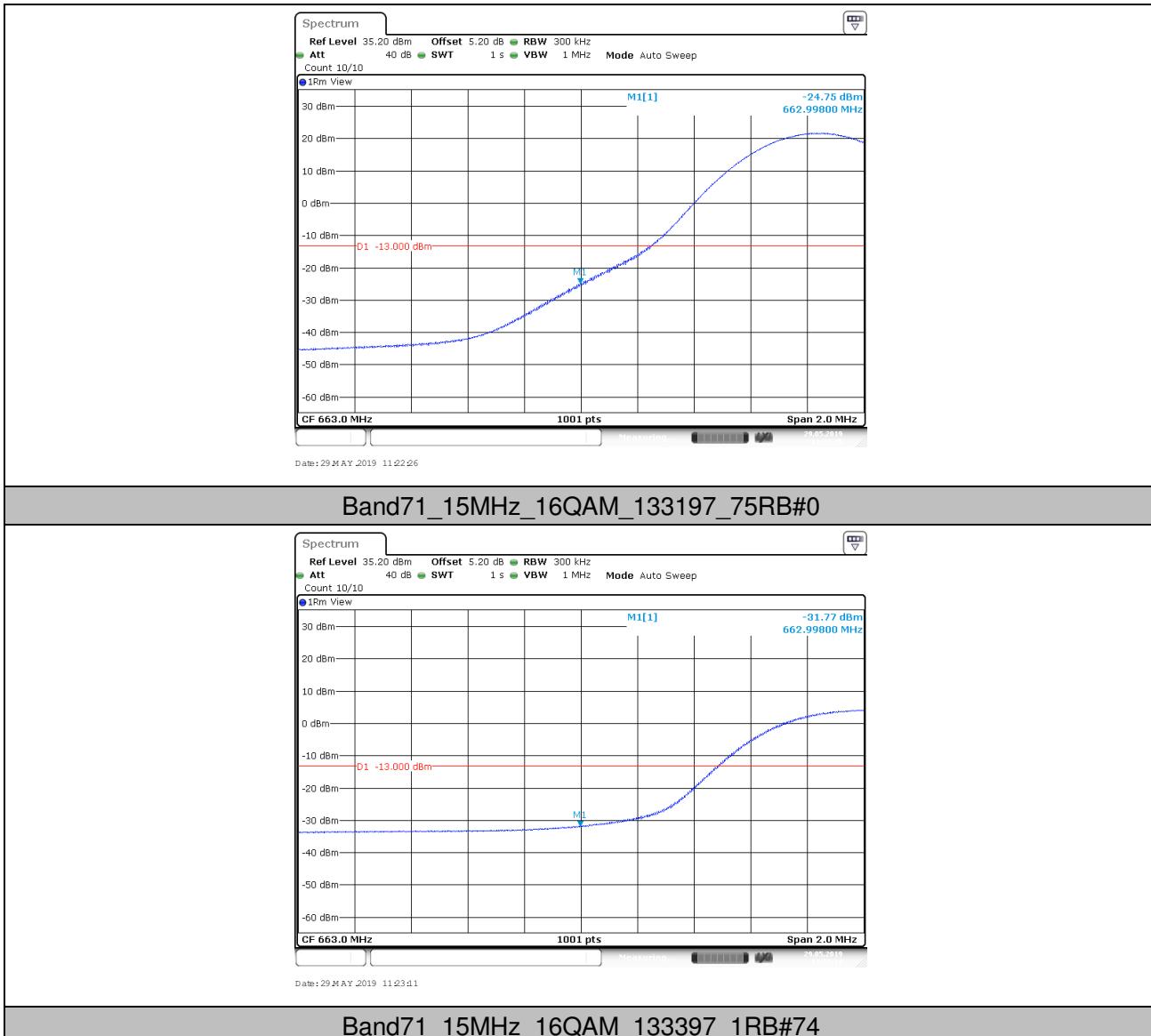


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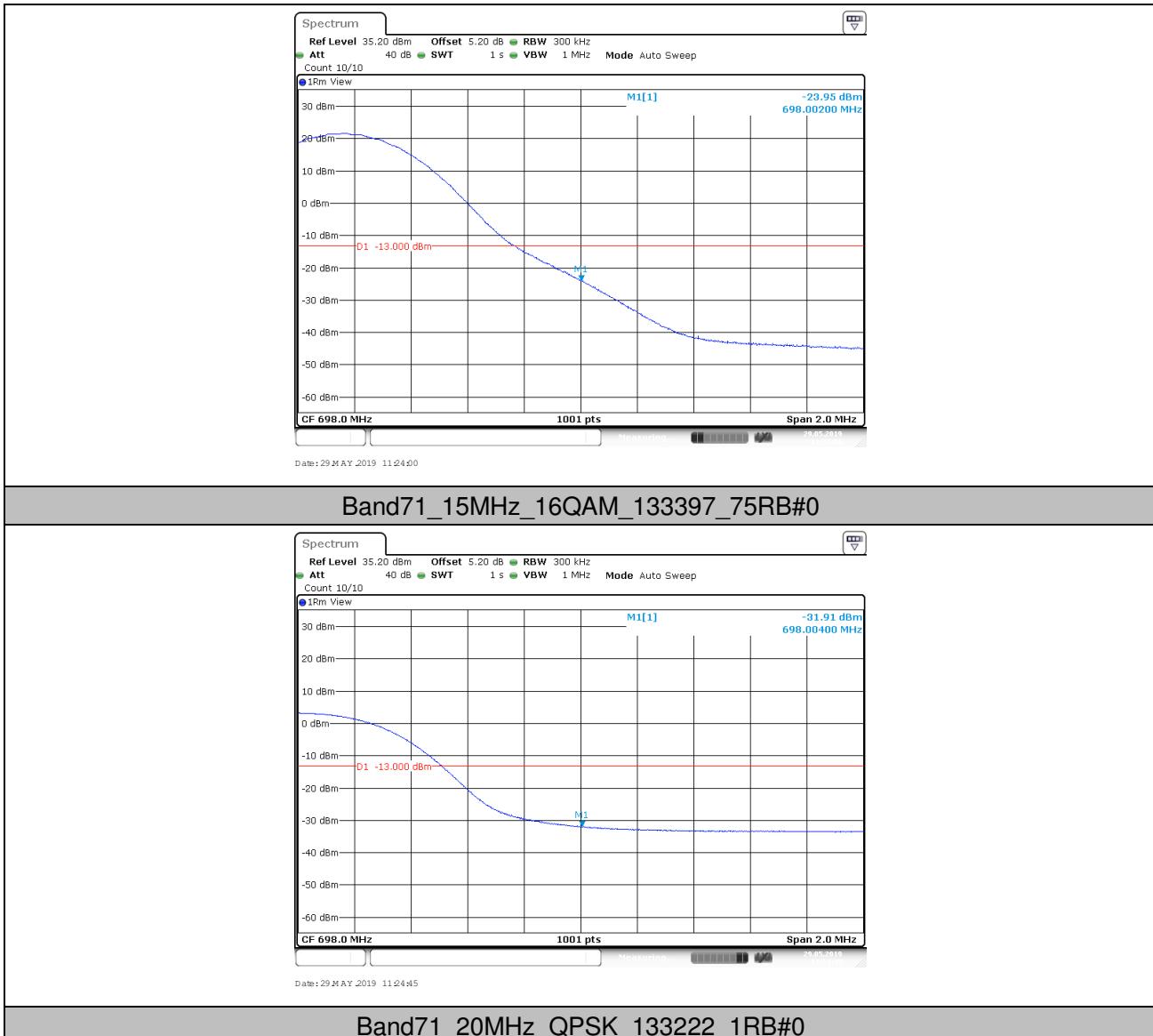
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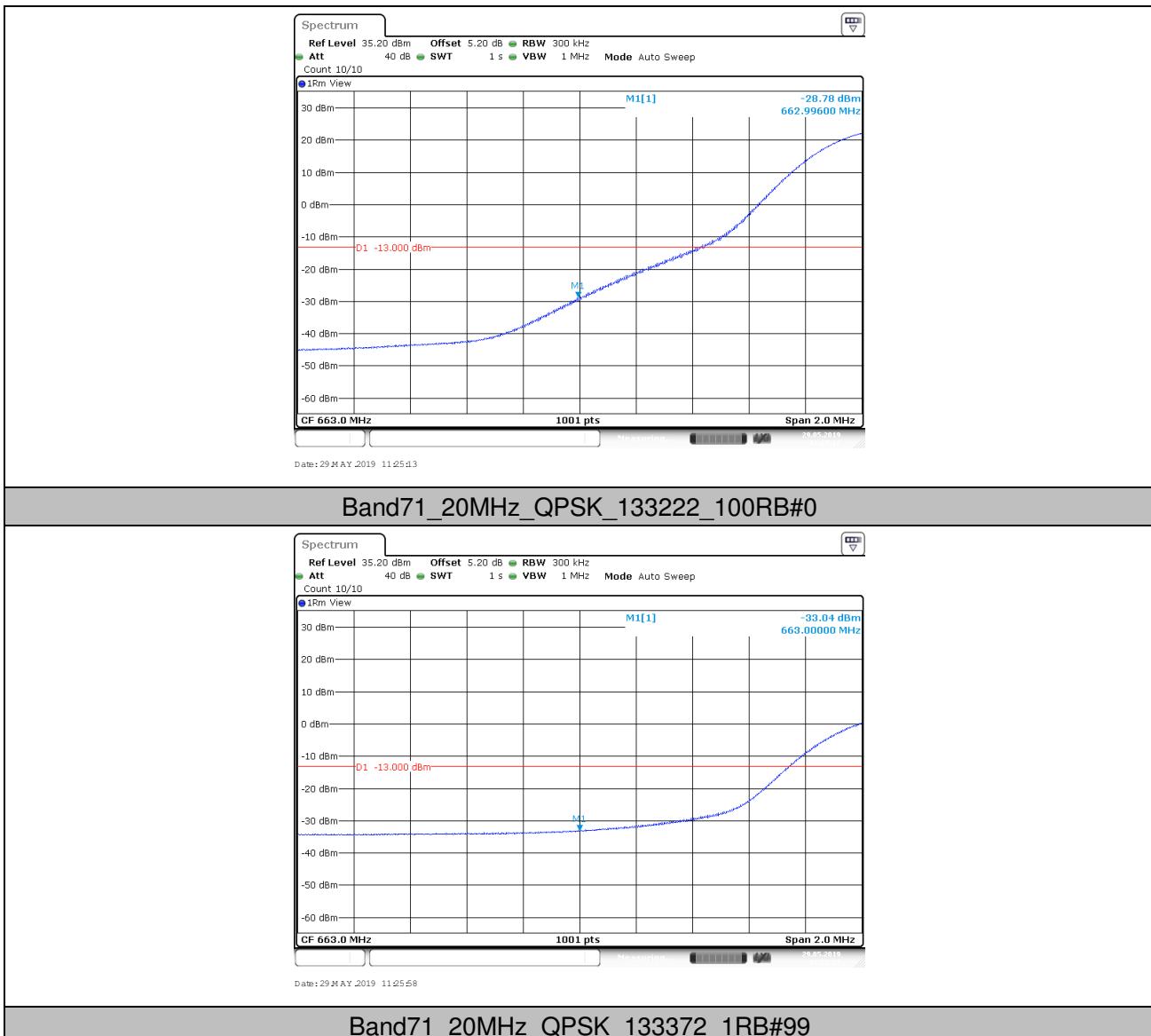


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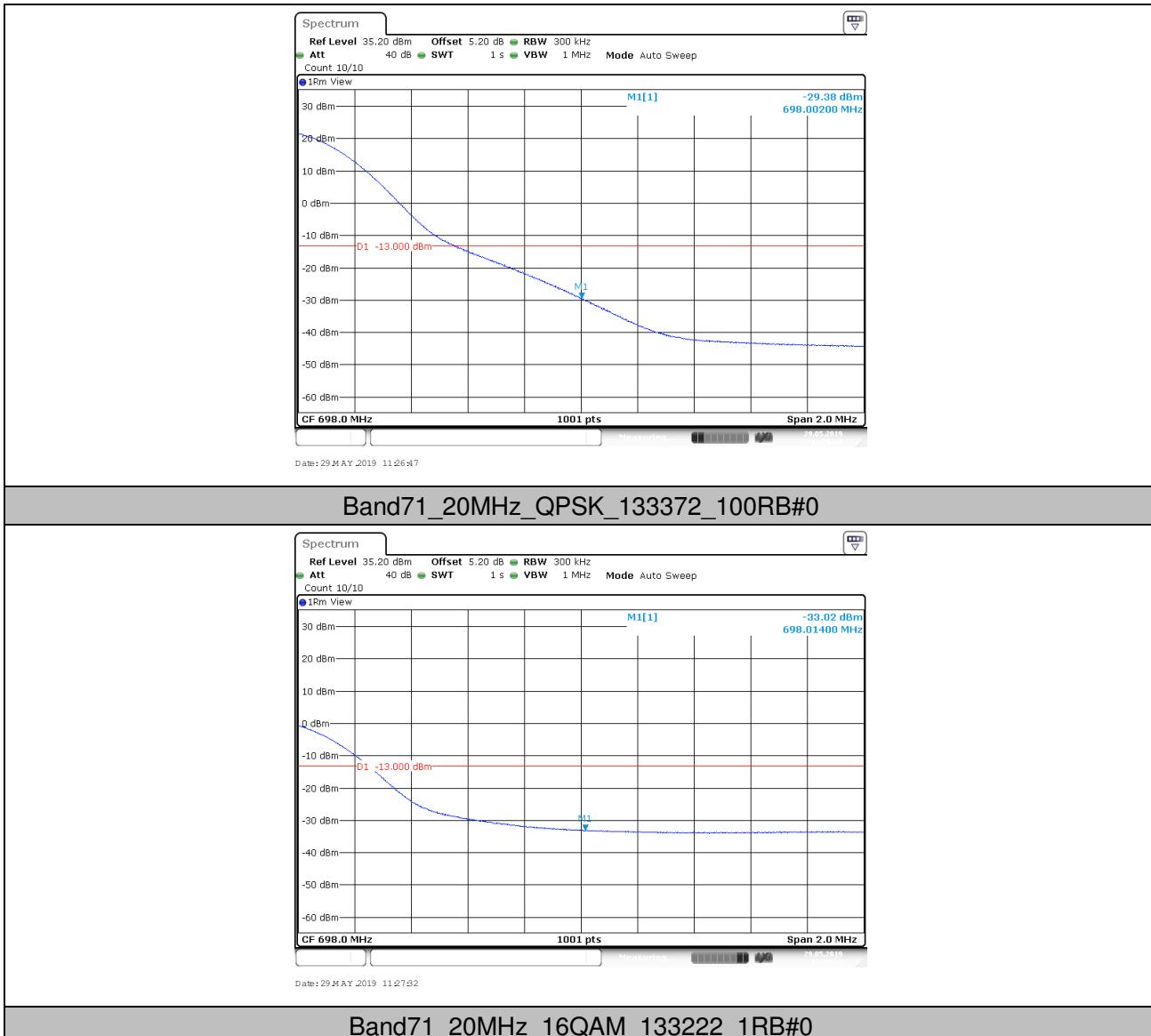
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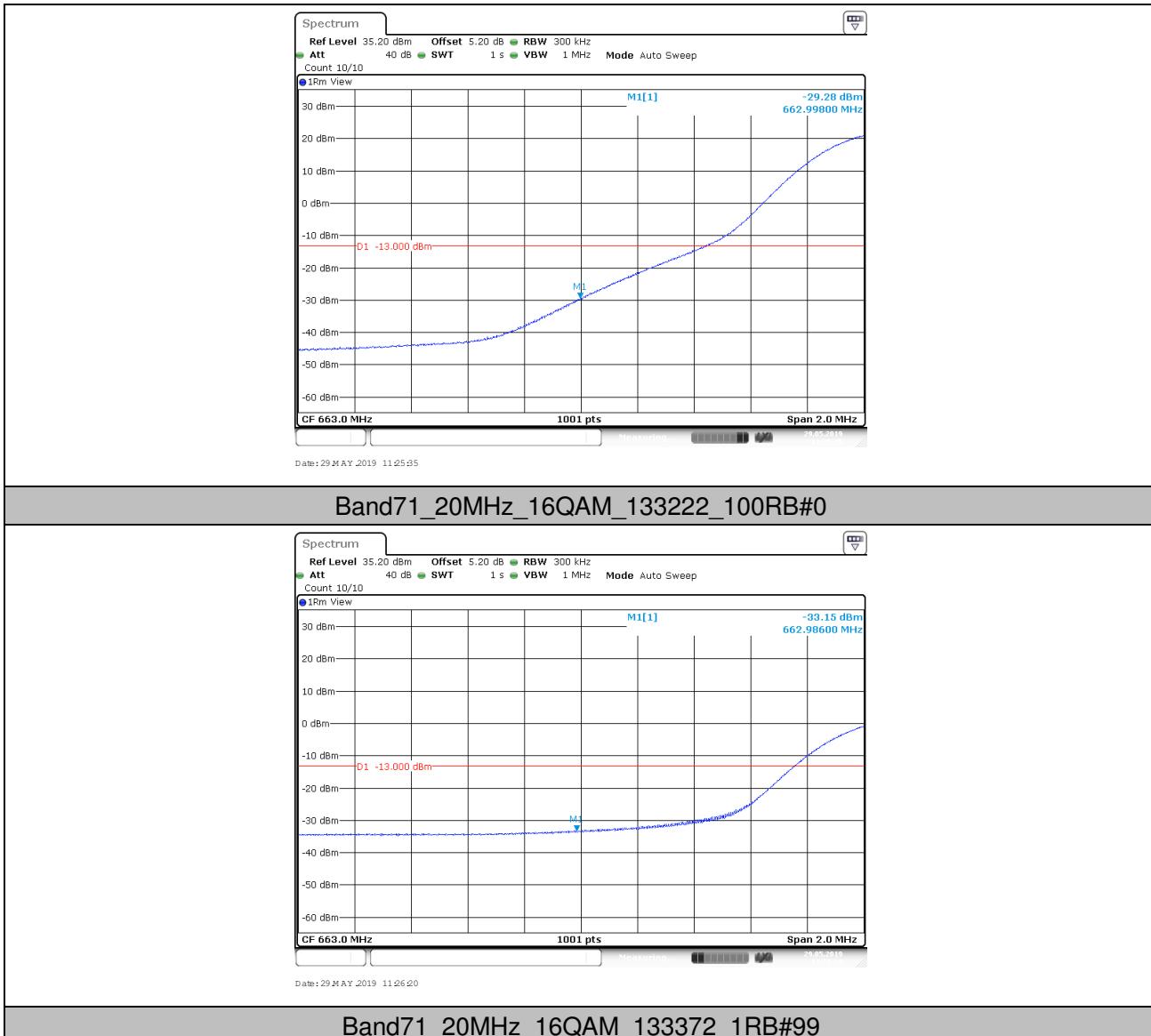
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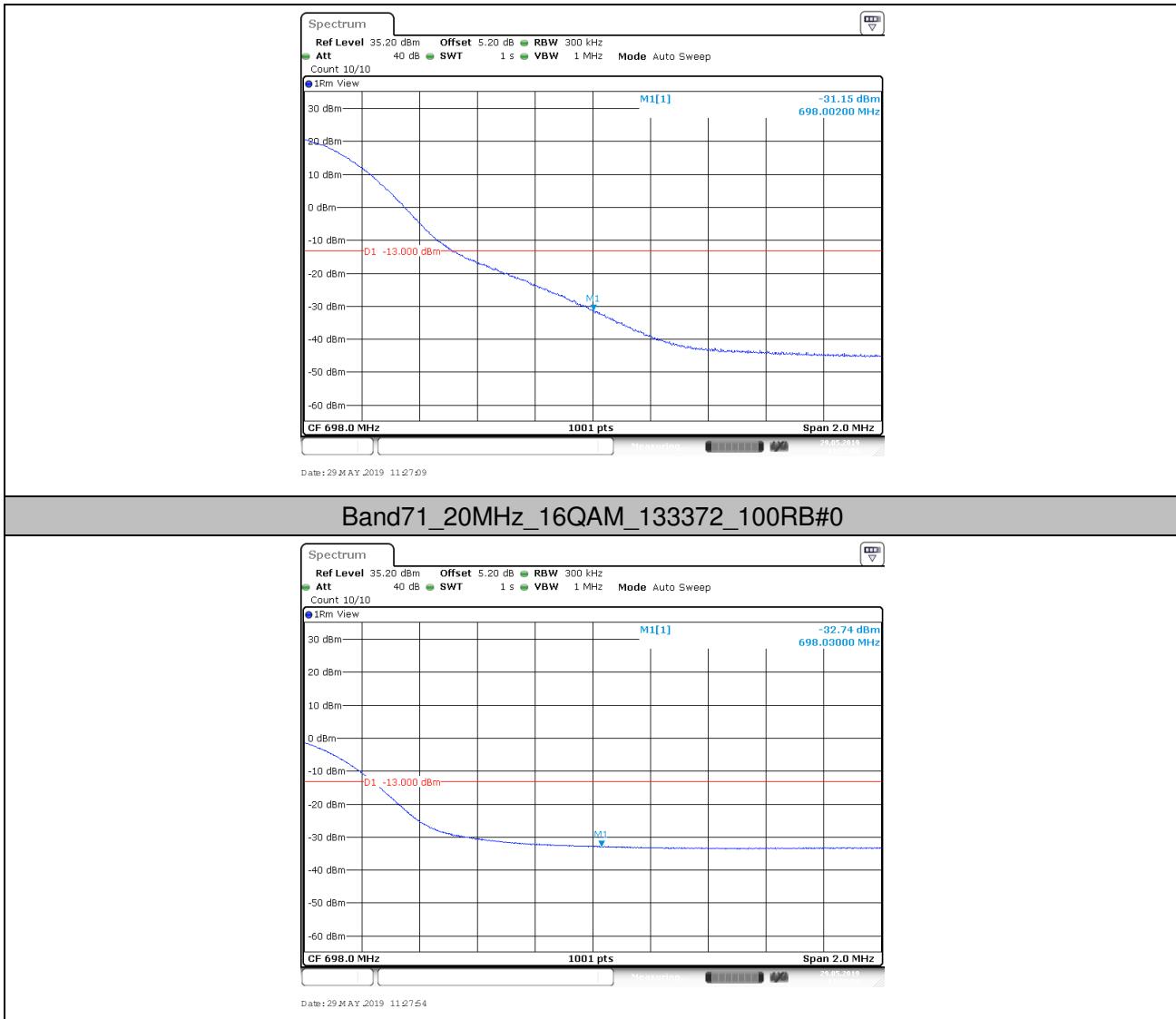


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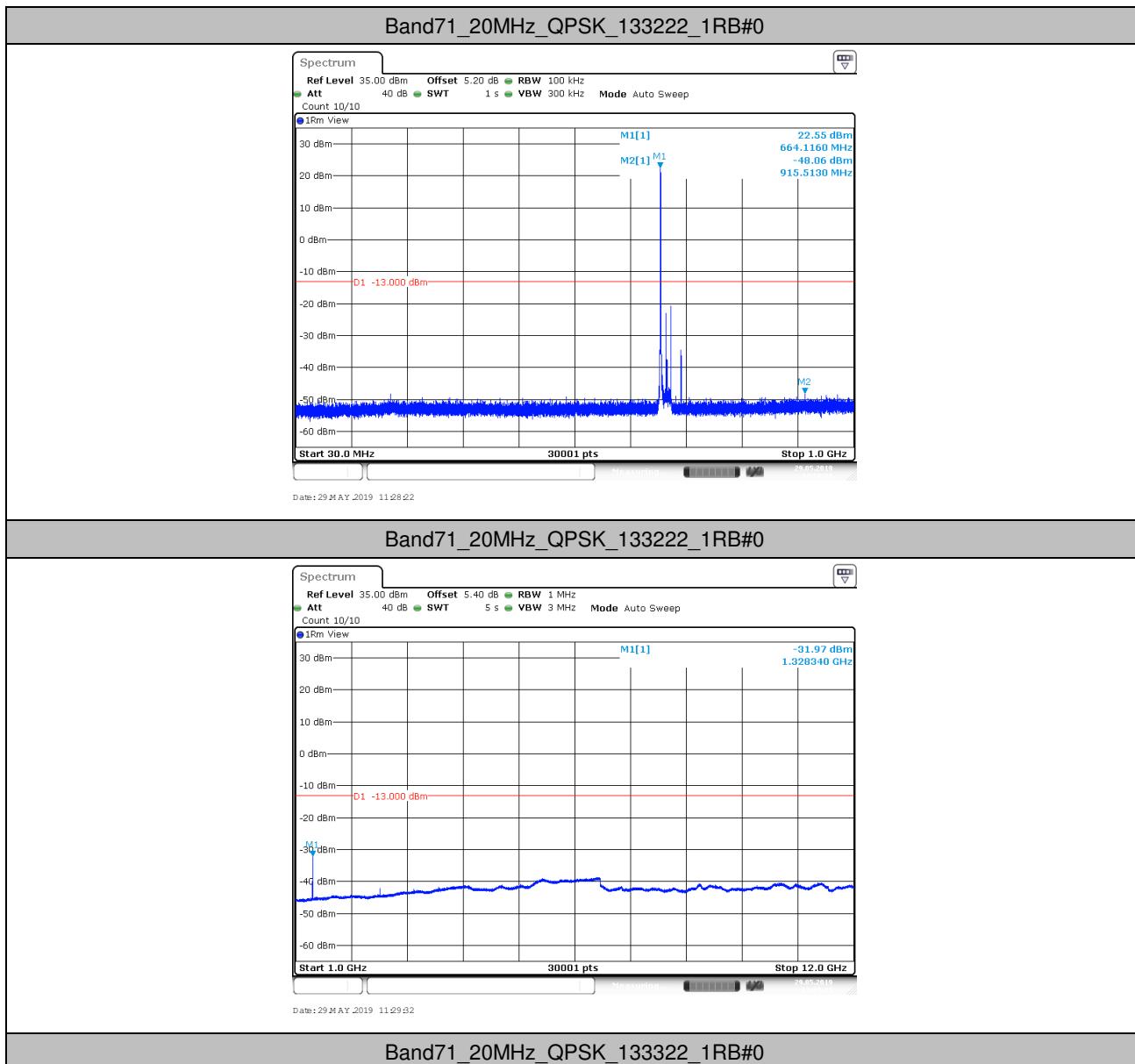
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## 6. Spurious Emission at Antenna Terminal

Remark1: 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  $< \text{RBW}/2$  so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points =  $k * (\text{Span} / \text{RBW})$ " with  $k$  between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

Remark2: only the worst case data displayed in this report.

### 6.1. Test Plots

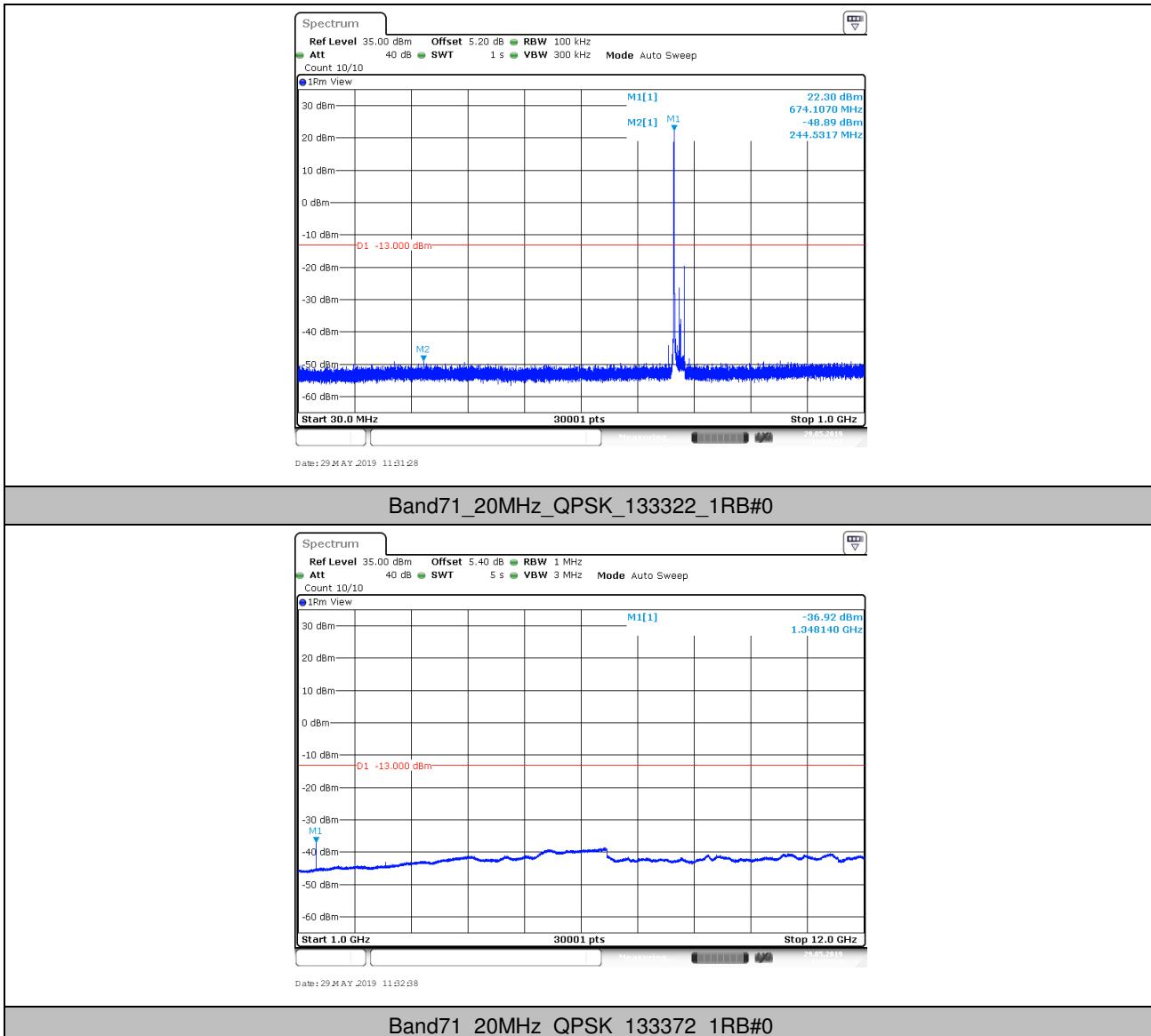


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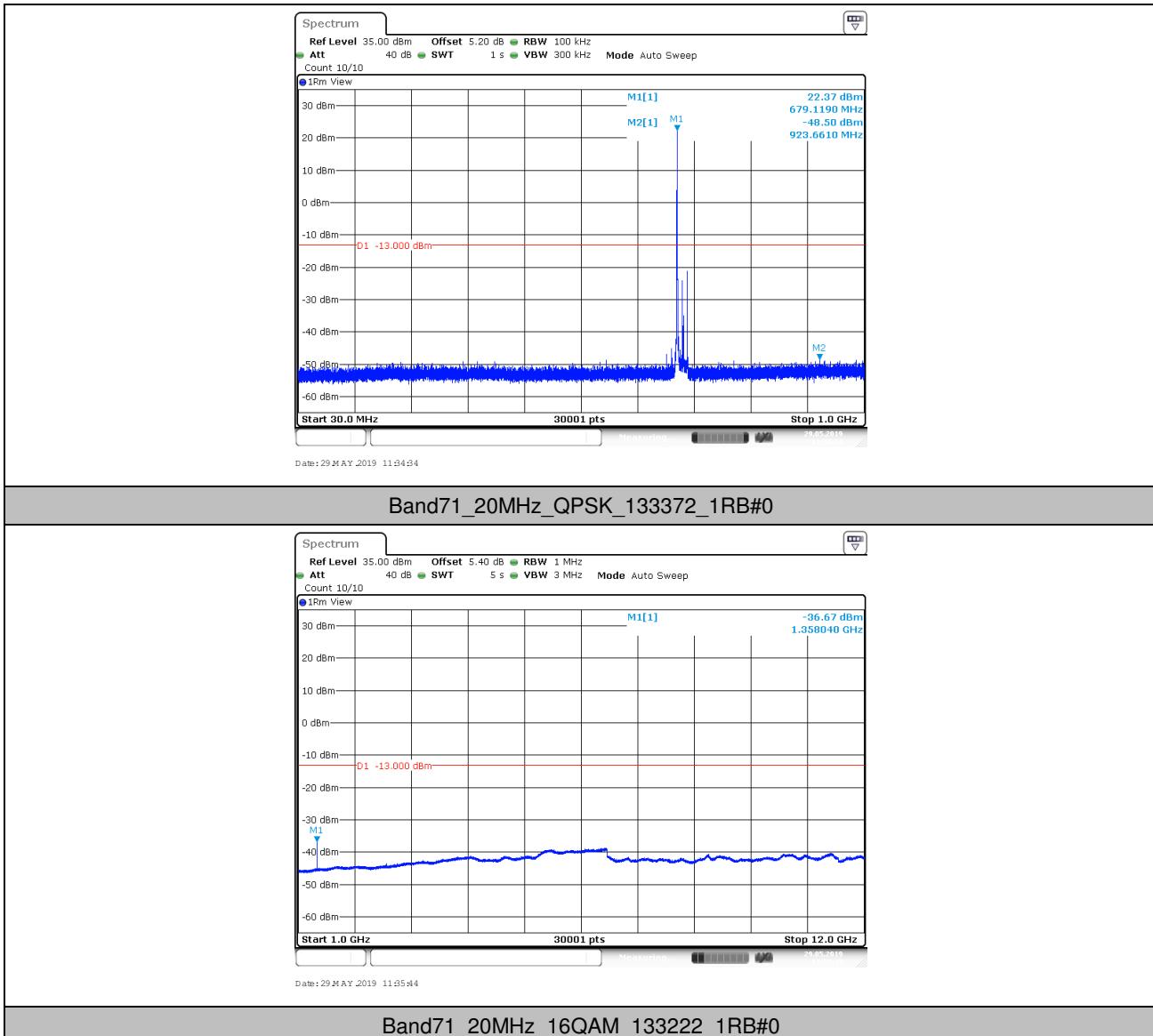
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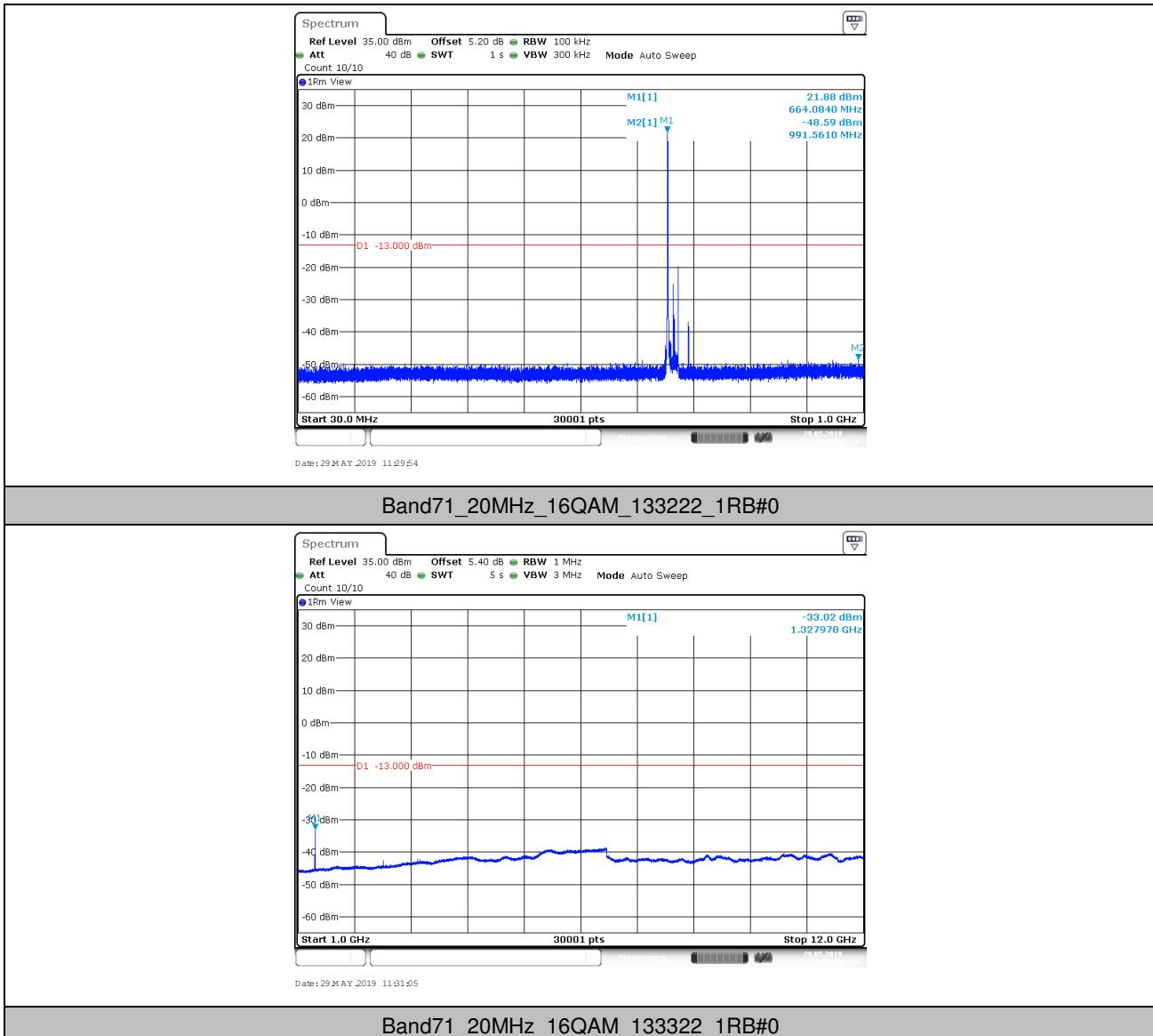


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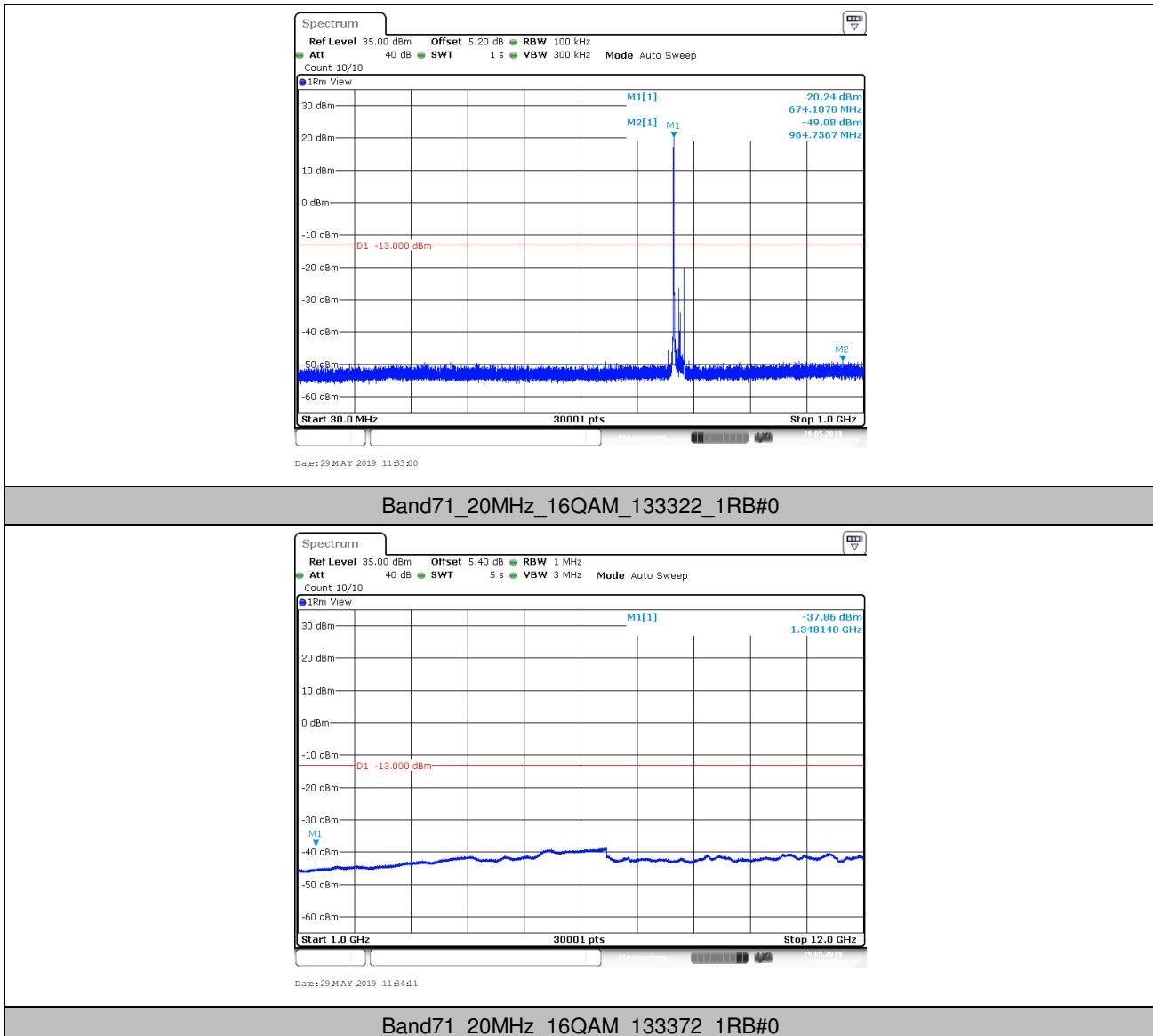


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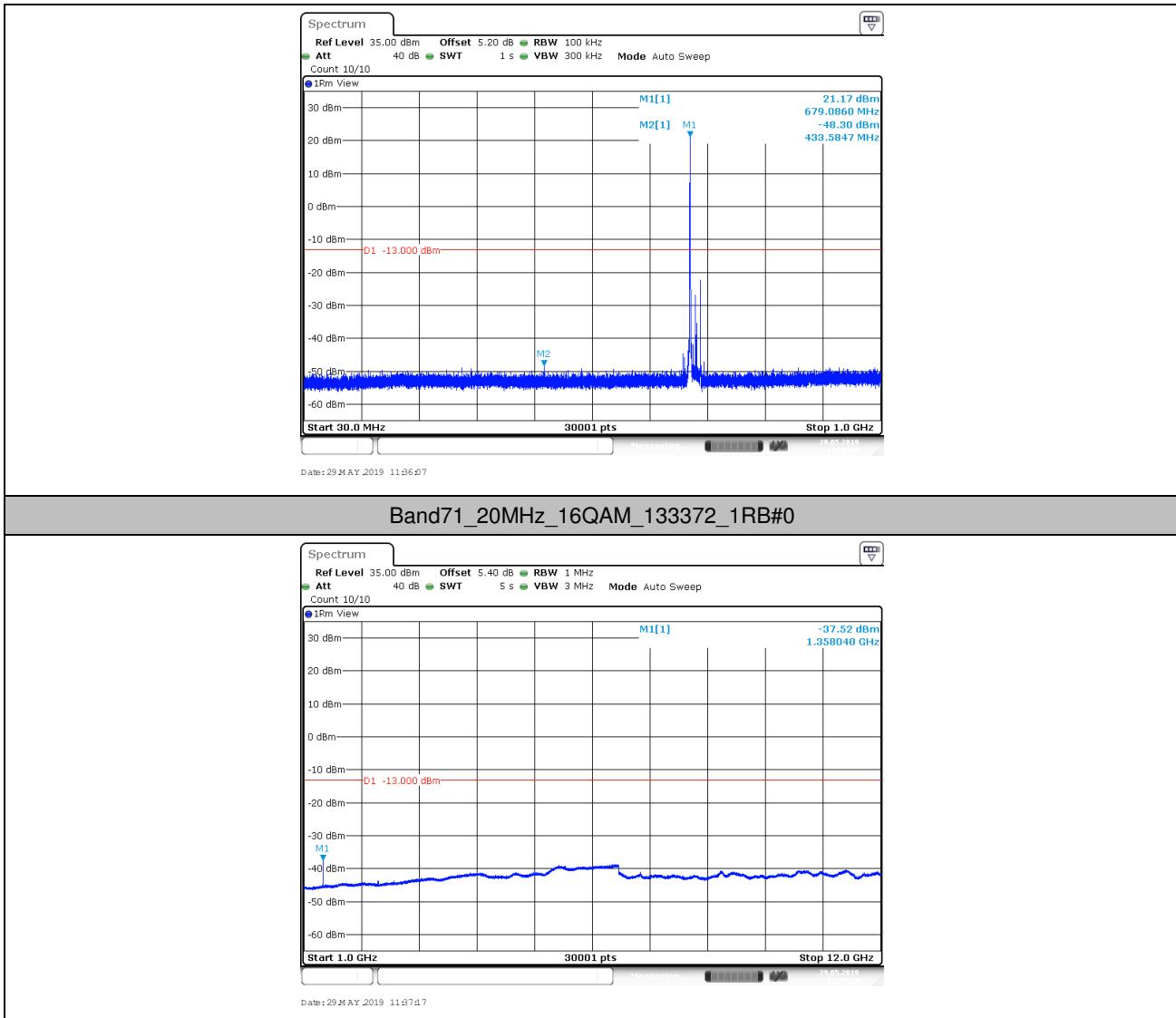
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## 7. Field Strength of Spurious Radiation

### 7.1. Test BAND = LTE Band 71

#### 7.1.1. Test Mode =LTE/TM1 20MHz

##### 7.1.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
55.760000	-79.76	-13.00	66.76	Vertical
410.520000	-77.43	-13.00	64.43	Vertical
1328.000000	-49.92	-13.00	36.92	Vertical
1992.500000	-58.44	-13.00	45.44	Vertical
2656.500000	-55.50	-13.00	42.50	Vertical
3320.287500	-65.64	-13.00	52.64	Vertical
62.900000	-76.26	-13.00	63.26	Horizontal
475.391667	-60.47	-13.00	47.47	Horizontal
1328.000000	-65.84	-13.00	52.84	Horizontal
1992.500000	-62.13	-13.00	49.13	Horizontal
2656.500000	-56.53	-13.00	43.53	Horizontal
3320.287500	-66.81	-13.00	53.81	Horizontal

##### 7.1.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
64.813333	-80.31	-13.00	67.31	Vertical
475.941667	-79.79	-13.00	66.79	Vertical
1343.000000	-52.75	-13.00	39.75	Vertical
2015.000000	-57.97	-13.00	44.97	Vertical
3357.825000	-63.75	-13.00	50.75	Vertical
6049.800000	-63.92	-13.00	50.92	Vertical
63.366667	-76.33	-13.00	63.33	Horizontal
465.445833	-74.34	-13.00	61.34	Horizontal
1343.000000	-61.57	-13.00	48.57	Horizontal
2015.500000	-62.37	-13.00	49.37	Horizontal
3358.312500	-66.28	-13.00	53.28	Horizontal
6176.550000	-63.77	-13.00	50.77	Horizontal

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## 7.1.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
55.666667	-79.40	-13.00	66.40	Vertical
168.646667	-86.17	-13.00	73.17	Vertical
1358.000000	-49.87	-13.00	36.87	Vertical
2037.500000	-59.80	-13.00	46.80	Vertical
2716.500000	-55.88	-13.00	42.88	Vertical
3395.362500	-61.16	-13.00	48.16	Vertical
55.806667	-76.34	-13.00	63.34	Horizontal
475.116667	-79.46	-13.00	66.46	Horizontal
1358.000000	-63.11	-13.00	50.11	Horizontal
2716.500000	-56.77	-13.00	43.77	Horizontal
3394.875000	-65.07	-13.00	52.07	Horizontal
6167.287500	-64.33	-13.00	51.33	Horizontal

## Remark:

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 had been displayed.

We have tested all modulation and all Bandwidth , but only the worst case data presented in this report.

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## 8. Frequency Stability

### 8.1. Frequency Vs Voltage

Voltage										
BAND	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band71	20MHz	QPSK	133222	100RB#0	VL	NT	-1.10	-0.001634	±2.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	VN	NT	-0.10	-0.000149	±2.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	VH	NT	-2.50	-0.003715	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	VL	NT	-0.40	-0.000586	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	VN	NT	-2.10	-0.003075	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	VH	NT	-2.30	-0.003367	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	VL	NT	-1.30	-0.001890	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	VN	NT	-2.20	-0.003198	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	VH	NT	-1.10	-0.001599	±2.5	PASS
Band71	20MHz	16QAM	133222	100RB#0	VL	NT	-0.10	-0.000149	±2.5	PASS
Band71	20MHz	16QAM	133222	100RB#0	VN	NT	0.10	0.000149	±2.5	PASS
Band71	20MHz	16QAM	133222	100RB#0	VH	NT	-0.50	-0.000743	±2.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	VL	NT	-1.40	-0.002050	±2.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	VN	NT	-0.80	-0.001171	±2.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	VH	NT	-0.70	-0.001025	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	VL	NT	-2.80	-0.004070	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	VN	NT	-0.50	-0.000727	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	VH	NT	0.70	0.001017	±2.5	PASS

### 8.2. Frequency Vs Temperature

Temperature										
BAND	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band71	20MHz	QPSK	133222	100RB#0	NV	-30	-1.30	-0.001932	±2.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	NV	-20	-2.40	-0.003566	±2.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	NV	0	-1.10	-0.001634	±2.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	NV	10	-2.00	-0.002972	±2.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	NV	20	-2.00	-0.002972	±2.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	NV	30	-1.90	-0.002823	±2.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	NV	40	-0.50	-0.000743	±2.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	NV	50	-2.70	-0.004012	±2.5	PASS

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Band71	20MHz	QPSK	133322	100RB#0	NV	-30	-1.50	-0.002196	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	-20	-0.40	-0.000586	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	0	-1.50	-0.002196	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	10	-1.30	-0.001903	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	20	-1.80	-0.002635	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	30	-0.20	-0.000293	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	40	-1.60	-0.002343	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	50	-1.70	-0.002489	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	NV	-30	-0.60	-0.000872	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	NV	-20	-2.40	-0.003488	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	NV	0	-0.70	-0.001017	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	NV	10	-1.30	-0.001890	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	NV	20	-1.10	-0.001599	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	NV	30	-1.80	-0.002616	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	NV	40	-1.80	-0.002616	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	NV	50	-2.50	-0.003634	±2.5	PASS
Band71	20MHz	16QAM	133222	100RB#0	NV	-30	-0.80	-0.001189	±2.5	PASS
Band71	20MHz	16QAM	133222	100RB#0	NV	-20	-2.60	-0.003863	±2.5	PASS
Band71	20MHz	16QAM	133222	100RB#0	NV	0	-1.10	-0.001634	±2.5	PASS
Band71	20MHz	16QAM	133222	100RB#0	NV	10	-0.90	-0.001337	±2.5	PASS
Band71	20MHz	16QAM	133222	100RB#0	NV	20	-1.50	-0.002229	±2.5	PASS
Band71	20MHz	16QAM	133222	100RB#0	NV	30	-1.40	-0.002080	±2.5	PASS
Band71	20MHz	16QAM	133222	100RB#0	NV	40	-1.60	-0.002377	±2.5	PASS
Band71	20MHz	16QAM	133222	100RB#0	NV	50	-0.40	-0.000594	±2.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	NV	-30	-1.80	-0.002635	±2.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	NV	-20	-1.60	-0.002343	±2.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	NV	0	-1.80	-0.002635	±2.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	NV	10	-0.50	-0.000732	±2.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	NV	20	-1.30	-0.001903	±2.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	NV	30	-0.60	-0.000878	±2.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	NV	40	-1.70	-0.002489	±2.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	NV	50	-1.60	-0.002343	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	NV	-30	-1.30	-0.001890	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	NV	-20	-2.60	-0.003779	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	NV	0	-1.80	-0.002616	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	NV	10	-0.60	-0.000872	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	NV	20	-1.50	-0.002180	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	NV	30	-0.30	-0.000436	±2.5	PASS

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Band71	20MHz	16QAM	133372	100RB#0	NV	40	-0.40	-0.000581	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	NV	50	-1.50	-0.002180	±2.5	PASS

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The End

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