

Report No.: SEWM2304000137RG01

Rev.: 01

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Appendix B.9

LTE Band 17



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Effective (Isotropic) Radiated Power Output Data

Test Result

Ant0:

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	24.30	17.45	34.77	PASS
Band17	5MHz	QPSK	23755	1RB#12	24.19	17.34	34.77	PASS
Band17	5MHz	QPSK	23755	1RB#24	24.14	17.29	34.77	PASS
Band17	5MHz	QPSK	23755	25RB#0	23.27	16.42	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#0	24.18	17.33	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#12	24.28	17.43	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#24	24.17	17.32	34.77	PASS
Band17	5MHz	QPSK	23790	25RB#0	23.26	16.41	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#0	24.17	17.32	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#12	24.20	17.35	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#24	24.18	17.33	34.77	PASS
Band17	5MHz	QPSK	23825	25RB#0	23.28	16.43	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#0	23.47	16.62	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#12	23.55	16.70	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#24	23.53	16.68	34.77	PASS
Band17	5MHz	16QAM	23755	25RB#0	22.32	15.47	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#0	23.63	16.78	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#12	23.71	16.86	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#24	23.50	16.65	34.77	PASS
Band17	5MHz	16QAM	23790	25RB#0	22.22	15.37	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#0	23.58	16.73	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#12	23.52	16.67	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#24	23.44	16.59	34.77	PASS
Band17	5MHz	16QAM	23825	25RB#0	22.23	15.38	34.77	PASS
Band17	5MHz	64QAM	23755	1RB#0	22.34	15.49	34.77	PASS
Band17	5MHz	64QAM	23755	1RB#12	22.61	15.76	34.77	PASS
Band17	5MHz	64QAM	23755	1RB#24	22.46	15.61	34.77	PASS



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Band17	5MHz	64QAM	23755	25RB#0	21.25	14.40	34.77	PASS
Band17	5MHz	64QAM	23790	1RB#0	22.71	15.86	34.77	PASS
Band17	5MHz	64QAM	23790	1RB#12	22.55	15.70	34.77	PASS
Band17	5MHz	64QAM	23790	1RB#24	22.58	15.73	34.77	PASS
Band17	5MHz	64QAM	23790	25RB#0	21.30	14.45	34.77	PASS
Band17	5MHz	64QAM	23825	1RB#0	22.56	15.71	34.77	PASS
Band17	5MHz	64QAM	23825	1RB#12	22.45	15.60	34.77	PASS
Band17	5MHz	64QAM	23825	1RB#24	22.39	15.54	34.77	PASS
Band17	5MHz	64QAM	23825	25RB#0	21.24	14.39	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#0	24.23	17.38	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#24	24.28	17.43	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#49	24.28	17.43	34.77	PASS
Band17	10MHz	QPSK	23780	50RB#0	23.40	16.55	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#0	24.16	17.31	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#24	24.27	17.42	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#49	24.16	17.31	34.77	PASS
Band17	10MHz	QPSK	23790	50RB#0	23.31	16.46	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#0	24.25	17.40	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#24	24.24	17.39	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#49	24.12	17.27	34.77	PASS
Band17	10MHz	QPSK	23800	50RB#0	23.30	16.45	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#0	23.55	16.70	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#24	23.58	16.73	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#49	23.41	16.56	34.77	PASS
Band17	10MHz	16QAM	23780	50RB#0	22.28	15.43	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#0	23.43	16.58	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#24	23.65	16.80	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#49	23.54	16.69	34.77	PASS
Band17	10MHz	16QAM	23790	50RB#0	22.37	15.52	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#0	23.66	16.81	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#24	23.51	16.66	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#49	23.38	16.53	34.77	PASS



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Band17	10MHz	16QAM	23800	50RB#0	22.25	15.40	34.77	PASS
Band17	10MHz	64QAM	23780	1RB#0	22.47	15.62	34.77	PASS
Band17	10MHz	64QAM	23780	1RB#24	22.58	15.73	34.77	PASS
Band17	10MHz	64QAM	23780	1RB#49	22.35	15.50	34.77	PASS
Band17	10MHz	64QAM	23780	50RB#0	21.36	14.51	34.77	PASS
Band17	10MHz	64QAM	23790	1RB#0	22.56	15.71	34.77	PASS
Band17	10MHz	64QAM	23790	1RB#24	22.63	15.78	34.77	PASS
Band17	10MHz	64QAM	23790	1RB#49	22.52	15.67	34.77	PASS
Band17	10MHz	64QAM	23790	50RB#0	21.29	14.44	34.77	PASS
Band17	10MHz	64QAM	23800	1RB#0	22.35	15.50	34.77	PASS
Band17	10MHz	64QAM	23800	1RB#24	22.60	15.75	34.77	PASS
Band17	10MHz	64QAM	23800	1RB#49	22.63	15.78	34.77	PASS
Band17	10MHz	64QAM	23800	50RB#0	21.26	14.41	34.77	PASS



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Peak-to-Average Ratio(CCDF)

Test Result

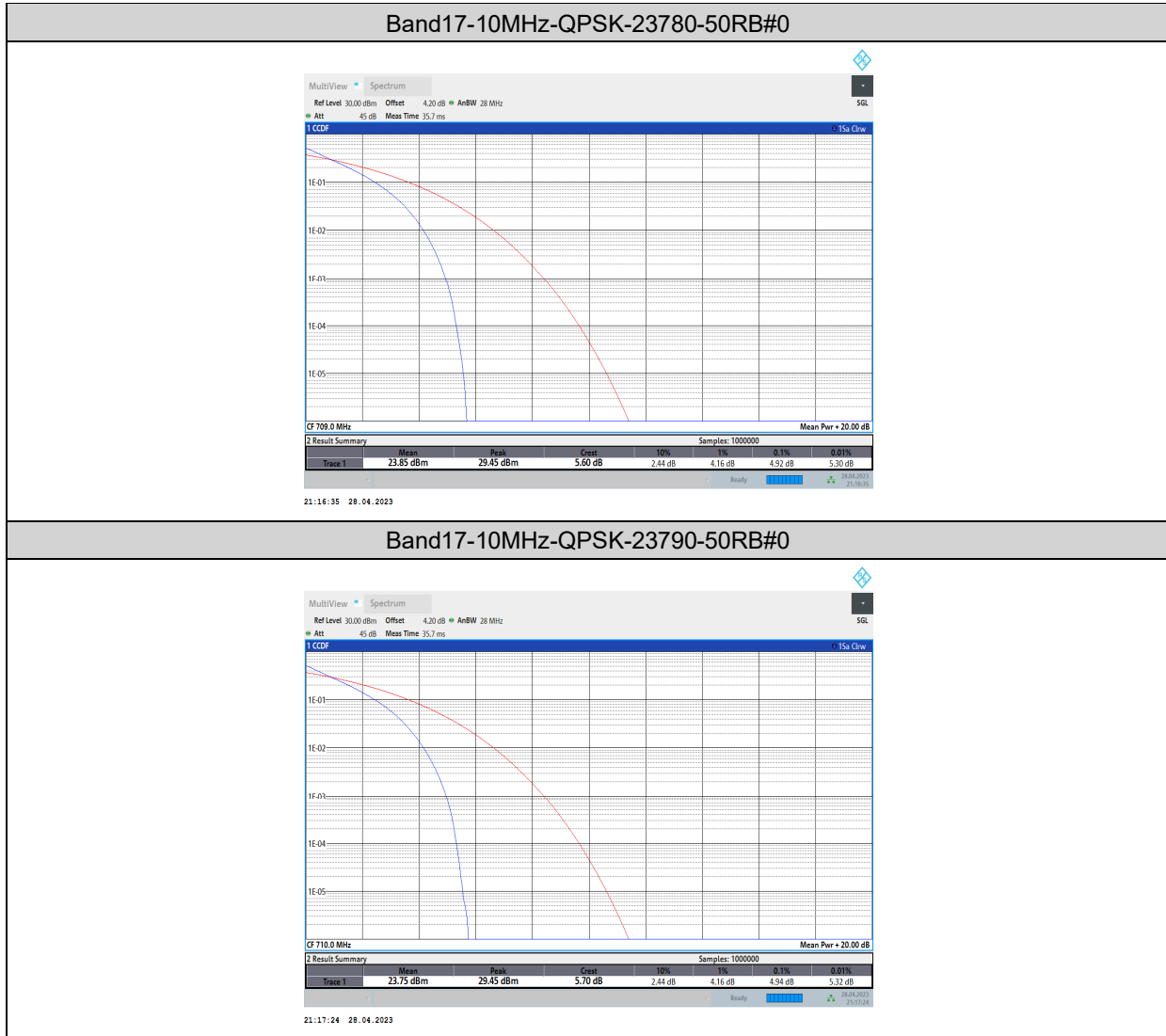
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band17	10MHz	QPSK	23780	50RB#0	4.92	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	4.94	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	4.90	13	PASS
Band17	10MHz	16QAM	23780	50RB#0	5.66	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	5.68	13	PASS
Band17	10MHz	16QAM	23800	50RB#0	5.68	13	PASS
Band17	10MHz	64QAM	23780	50RB#0	6.10	13	PASS
Band17	10MHz	64QAM	23790	50RB#0	6.10	13	PASS
Band17	10MHz	64QAM	23800	50RB#0	6.18	13	PASS



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Test Graphs

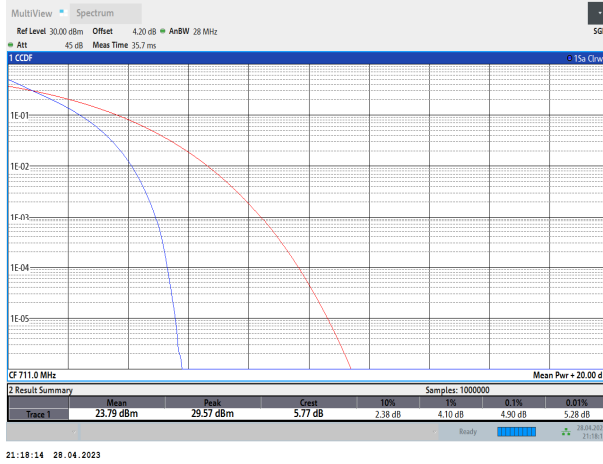


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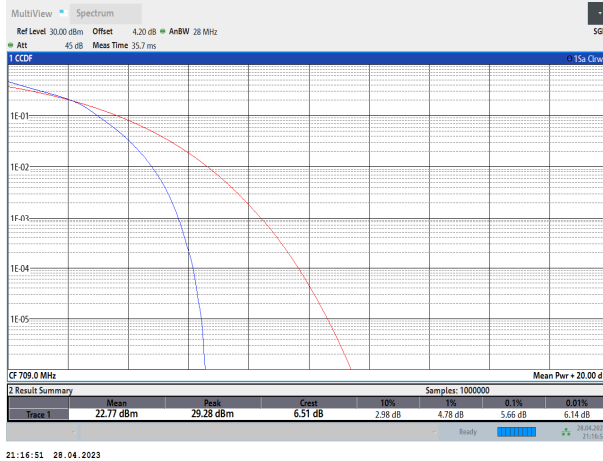
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Band17-10MHz-QPSK-23800-50RB#0



Band17-10MHz-16QAM-23780-50RB#0

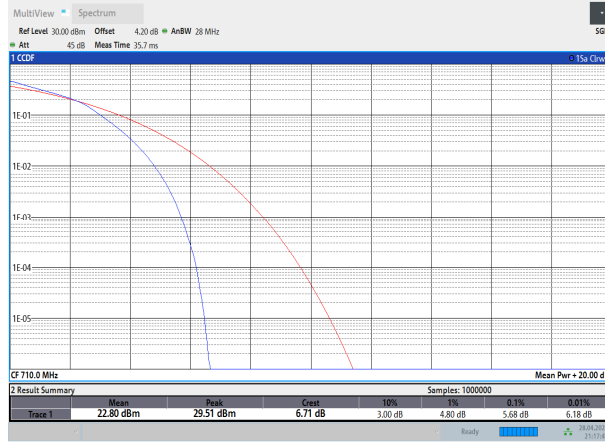


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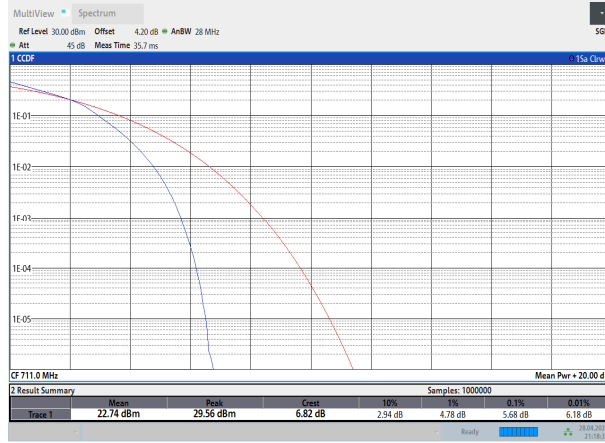
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Band17-10MHz-16QAM-23790-50RB#0



21:17:41 28.04.2023

Band17-10MHz-16QAM-23800-50RB#0



21:18:30 28.04.2023

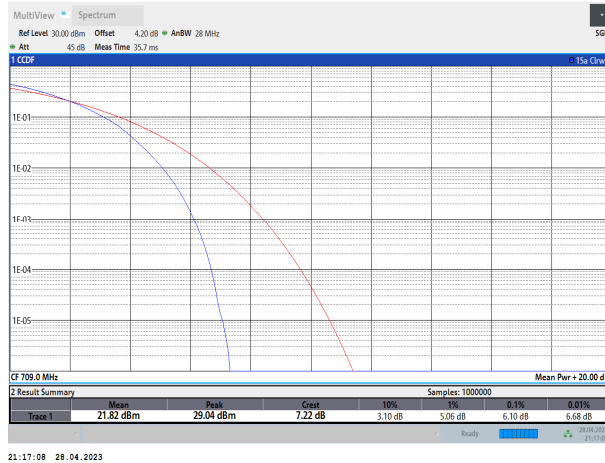


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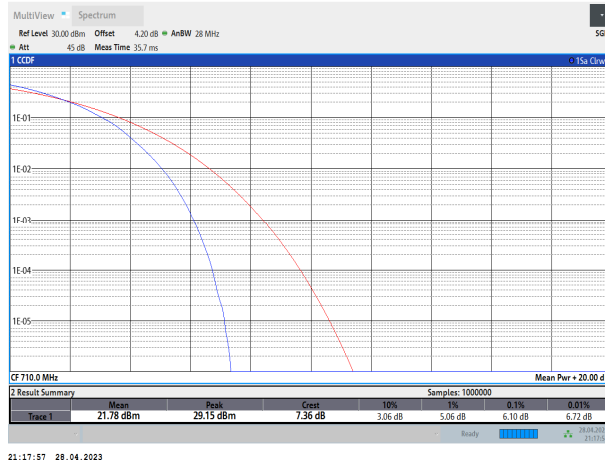
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Band17-10MHz-64QAM-23780-50RB#0



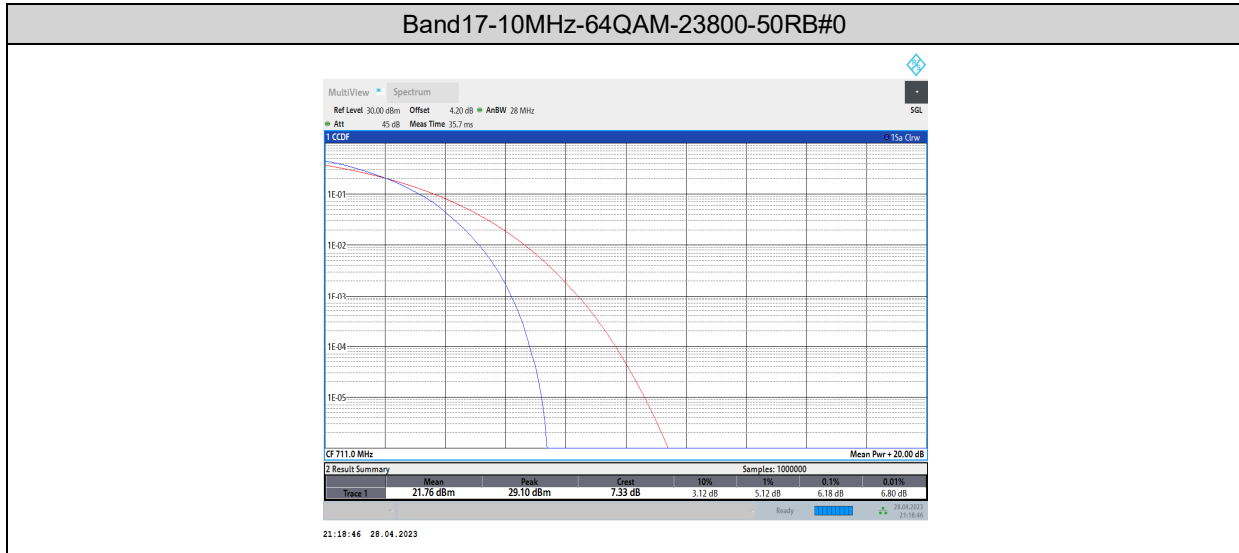
Band17-10MHz-64QAM-23790-50RB#0



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Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band17	10MHz	QPSK	23790	50RB#0	PASS	PASS
Band17	10MHz	16QAM	23790	50RB#0	PASS	PASS
Band17	10MHz	64QAM	23790	50RB#0	PASS	PASS

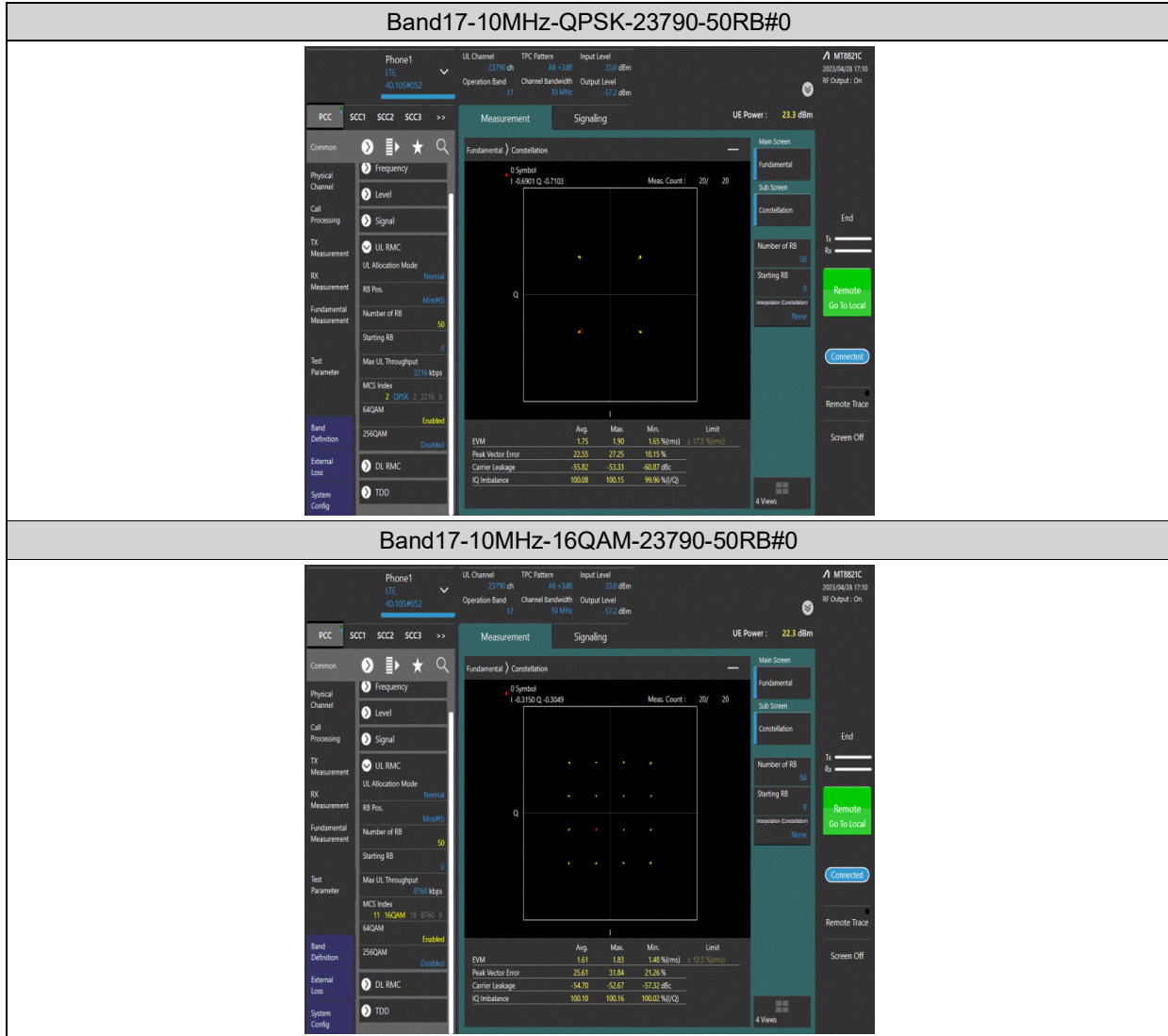


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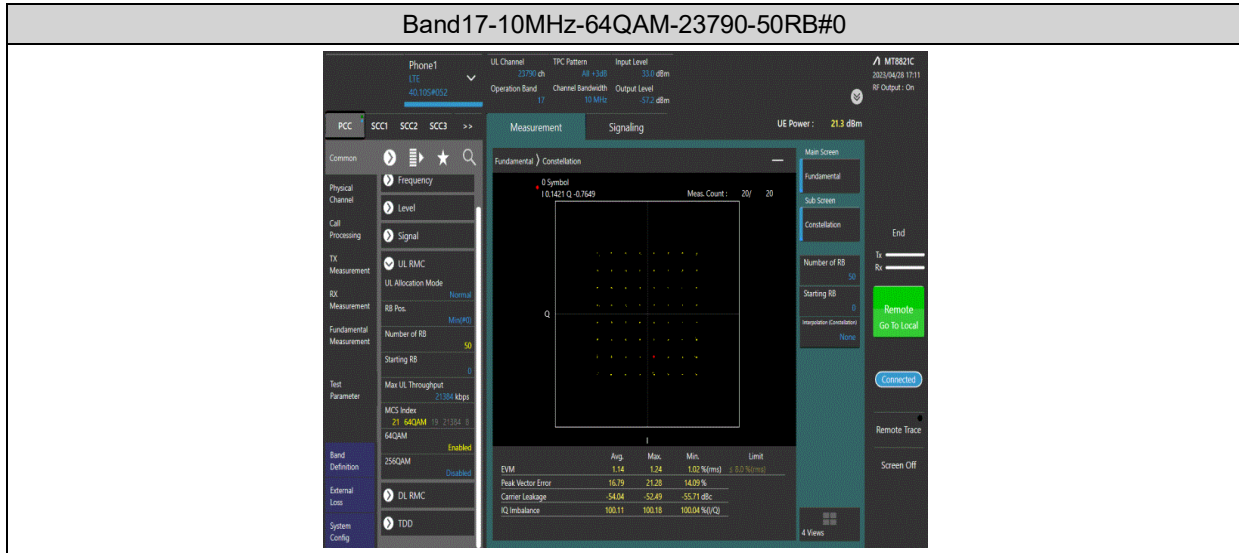
Test Graphs



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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	4.477	5.01	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.465	5.02	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.500	5.04	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.484	4.91	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.498	4.84	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.468	4.97	PASS
Band17	5MHz	64QAM	23755	25RB#0	4.479	5.05	PASS
Band17	5MHz	64QAM	23790	25RB#0	4.482	4.89	PASS
Band17	5MHz	64QAM	23825	25RB#0	4.484	5.02	PASS
Band17	10MHz	QPSK	23780	50RB#0	8.966	9.90	PASS
Band17	10MHz	QPSK	23790	50RB#0	8.934	9.70	PASS
Band17	10MHz	QPSK	23800	50RB#0	8.967	9.93	PASS
Band17	10MHz	16QAM	23780	50RB#0	8.957	9.73	PASS
Band17	10MHz	16QAM	23790	50RB#0	8.967	9.67	PASS
Band17	10MHz	16QAM	23800	50RB#0	8.948	9.80	PASS
Band17	10MHz	64QAM	23780	50RB#0	8.931	9.67	PASS
Band17	10MHz	64QAM	23790	50RB#0	8.929	9.77	PASS
Band17	10MHz	64QAM	23800	50RB#0	8.947	9.83	PASS



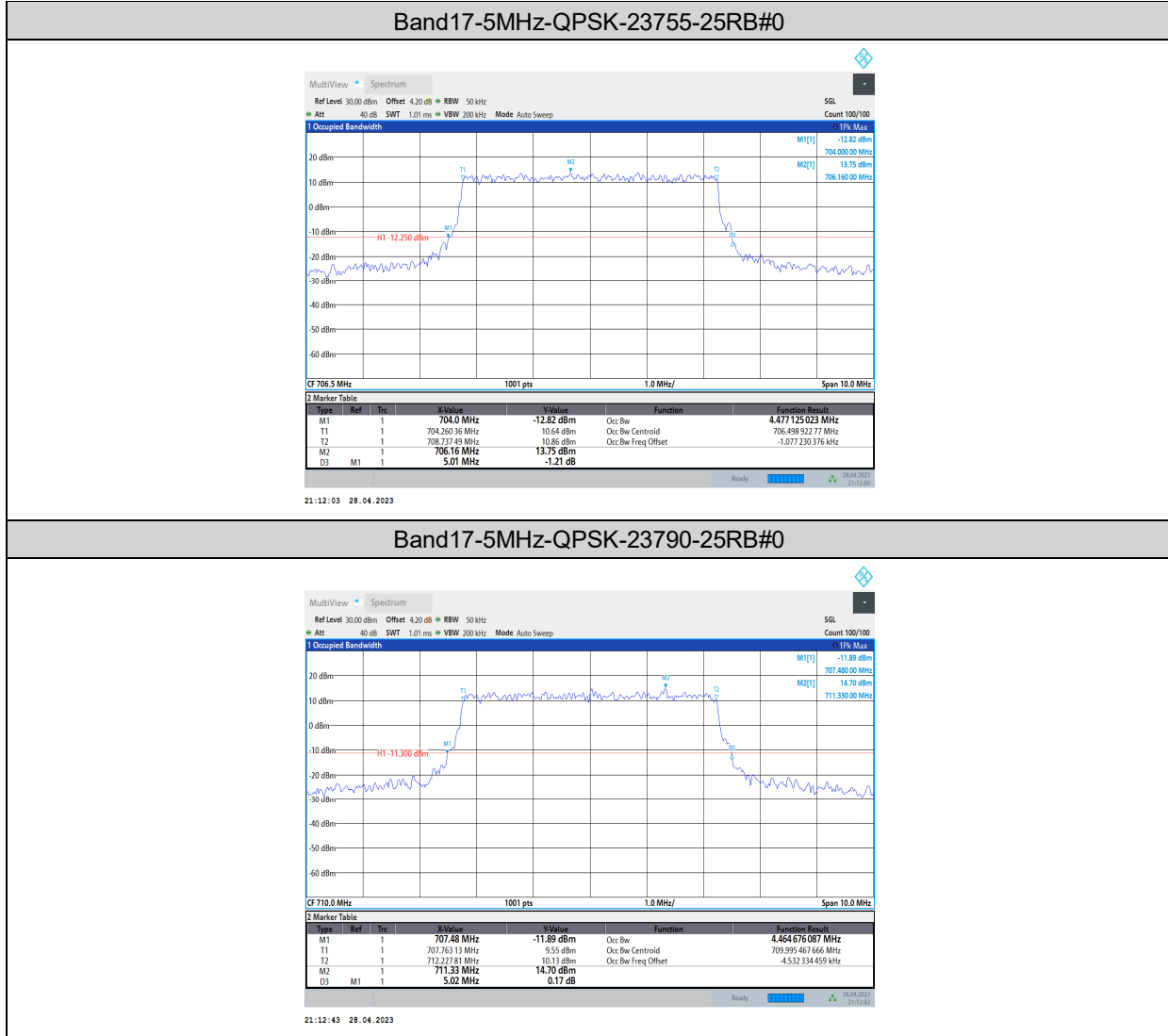
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Test Graphs

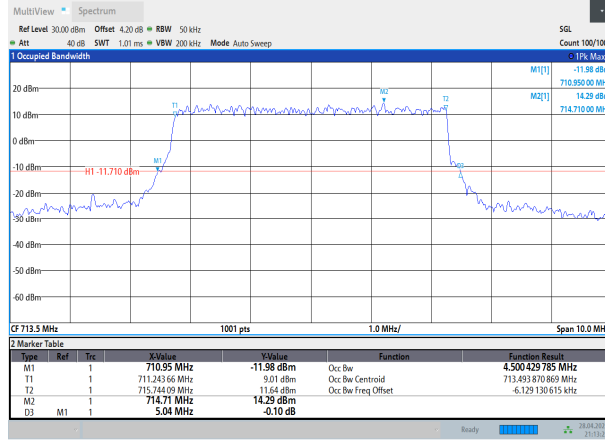


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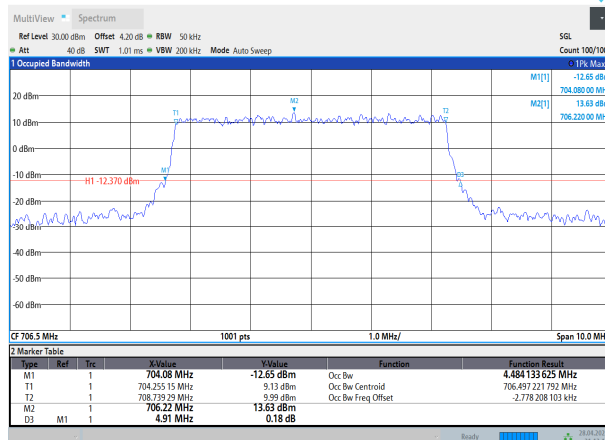
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Band17-5MHz-QPSK-23825-25RB#0



21:13:22 28.04.2023

Band17-5MHz-16QAM-23755-25RB#0



21:12:16 28.04.2023

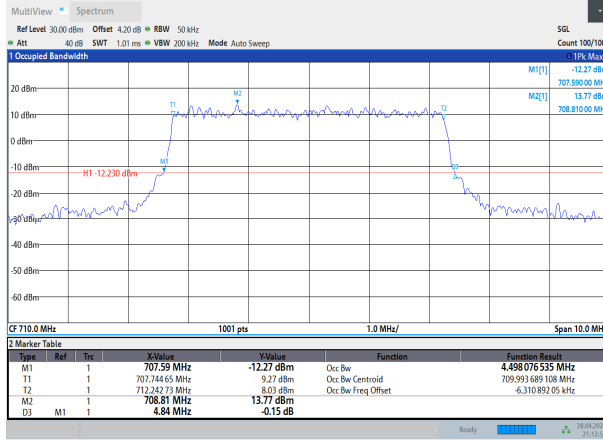


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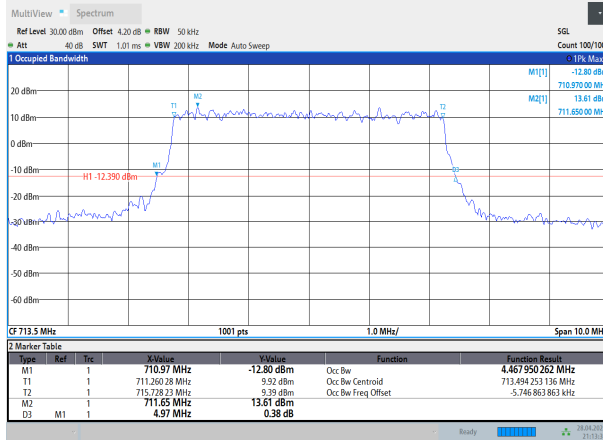
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Band17-5MHz-16QAM-23790-25RB#0



21:12:56 28.04.2023

Band17-5MHz-16QAM-23825-25RB#0



21:13:35 28.04.2023

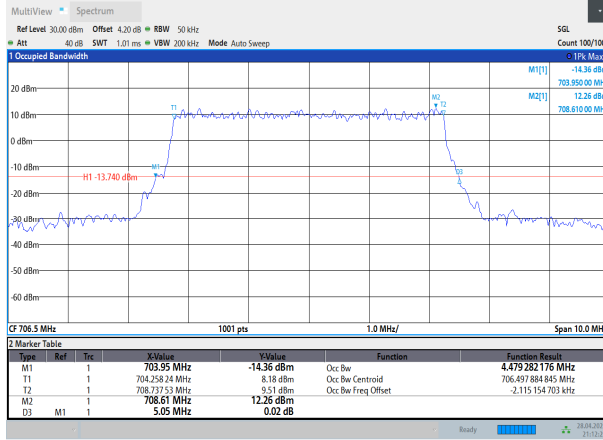


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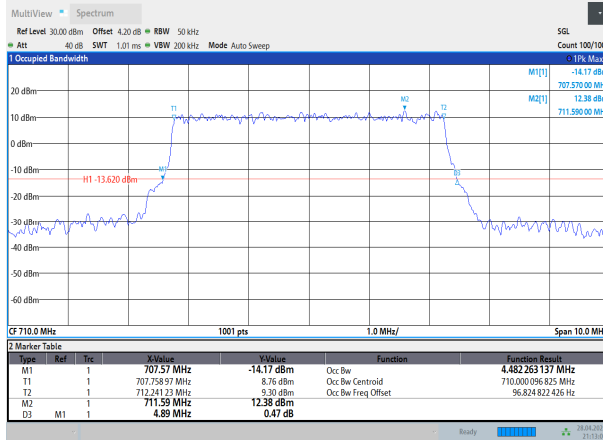
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Band17-5MHz-64QAM-23755-25RB#0



21:12:29 28. 04. 2023

Band17-5MHz-64QAM-23790-25RB#0



21:13:09 28. 04. 2023

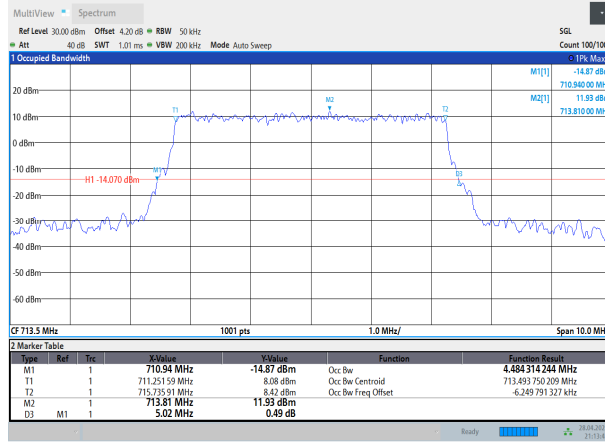


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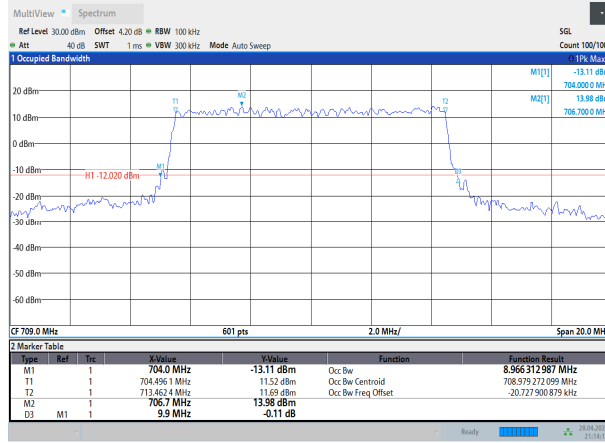
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Band17-5MHz-64QAM-23825-25RB#0



21:13:48 28.04.2023

Band17-10MHz-QPSK-23780-50RB#0



21:14:16 28.04.2023

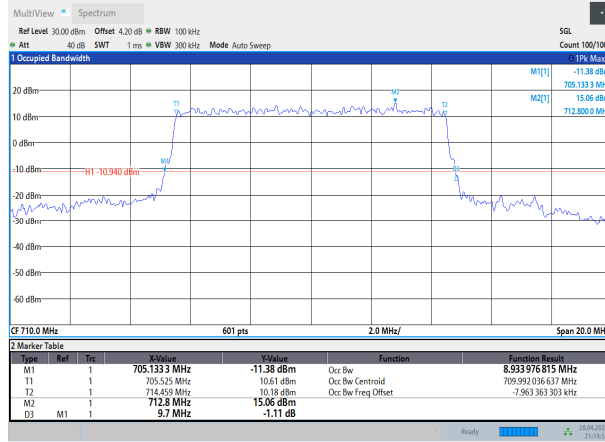


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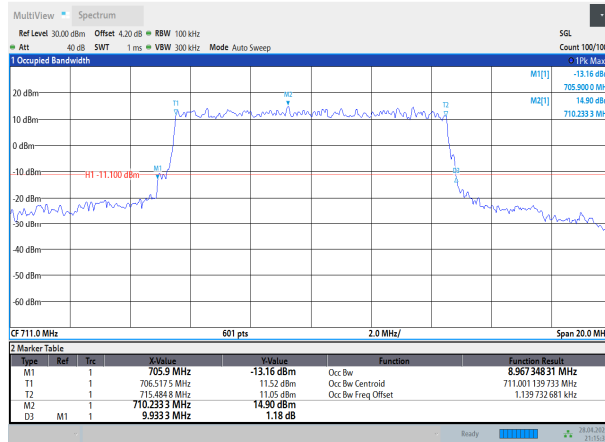
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Band17-10MHz-QPSK-23790-50RB#0



21:14:56 28.04.2023

Band17-10MHz-QPSK-23800-50RB#0



21:15:35 28.04.2023

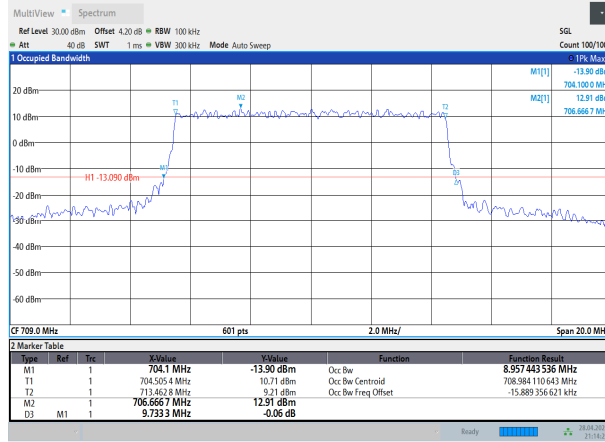


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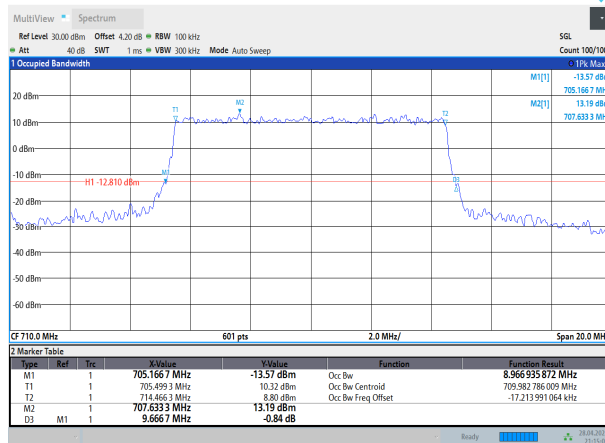
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Band17-10MHz-16QAM-23780-50RB#0



21:14:30 28.04.2023

Band17-10MHz-16QAM-23790-50RB#0



21:15:09 28.04.2023

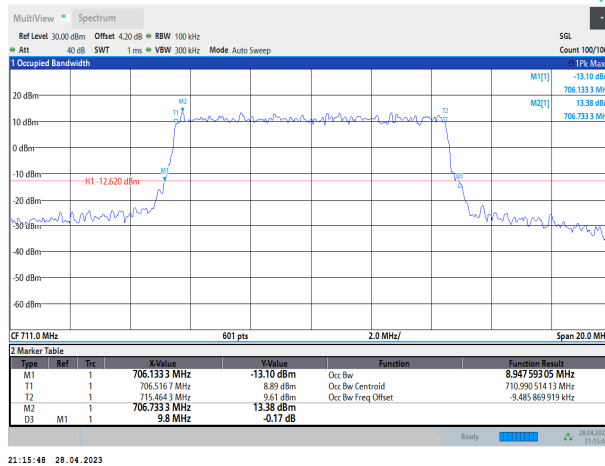


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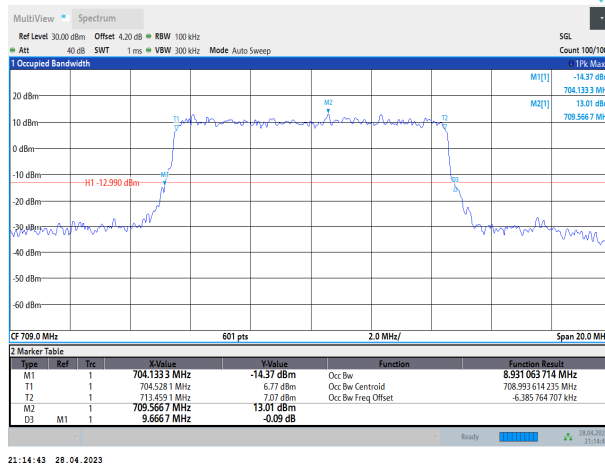
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Band17-10MHz-16QAM-23800-50RB#0



Band17-10MHz-64QAM-23780-50RB#0

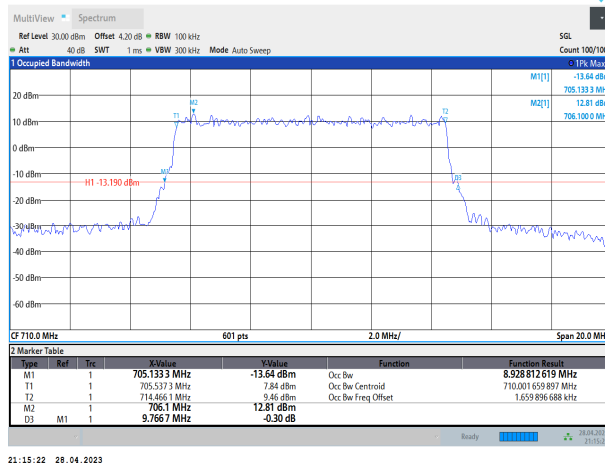


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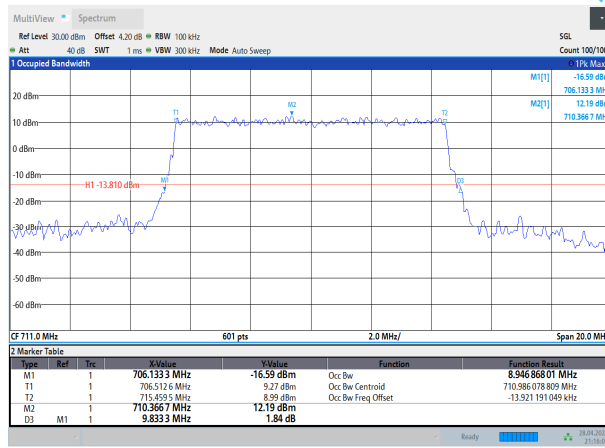
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Band17-10MHz-64QAM-23790-50RB#0



21:15:22 28.04.2023

Band17-10MHz-64QAM-23800-50RB#0



21:16:02 28.04.2023



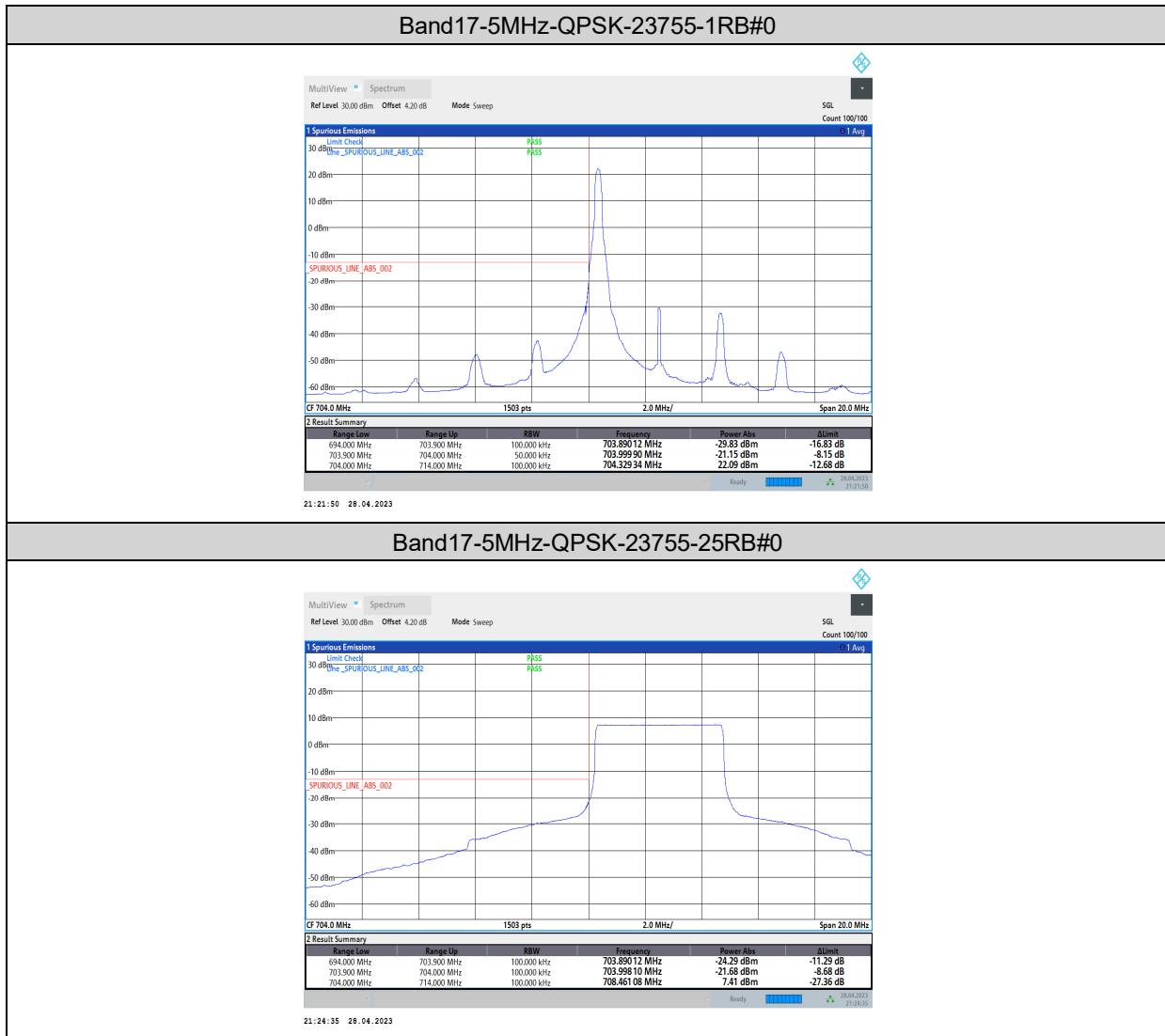
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Band Edge

Test Graphs

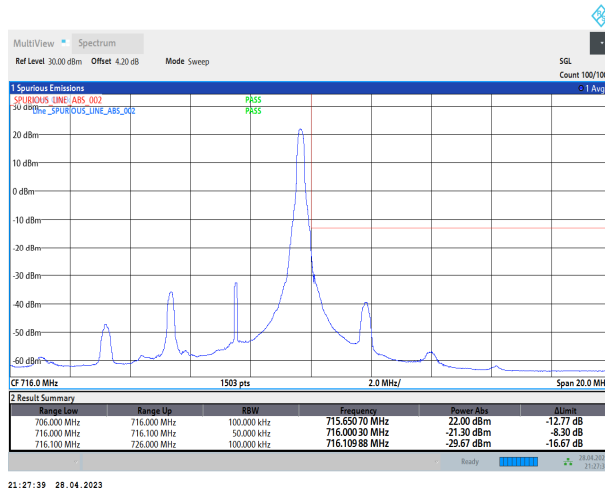


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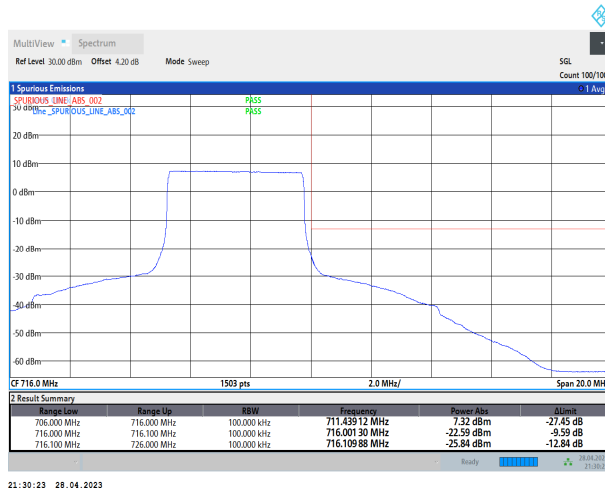
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Band17-5MHz-QPSK-23825-1RB#24



Band17-5MHz-QPSK-23825-25RB#0

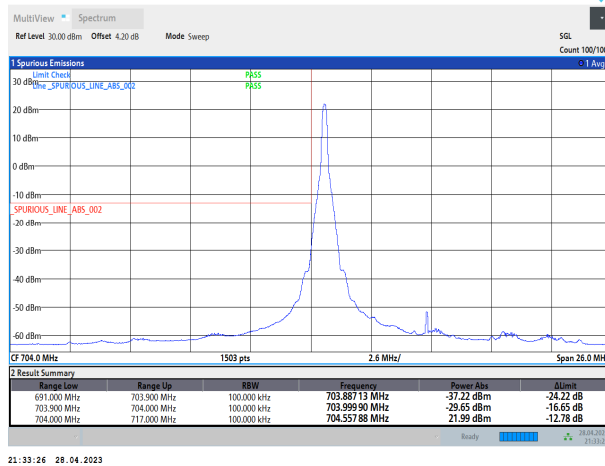


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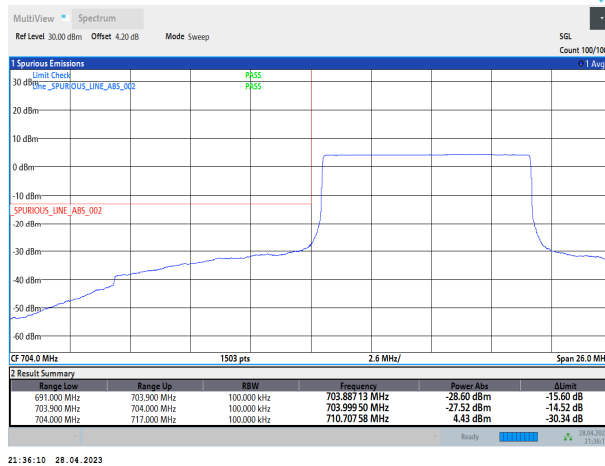
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Band17-10MHz-QPSK-23780-1RB#0



Band17-10MHz-QPSK-23780-50RB#0

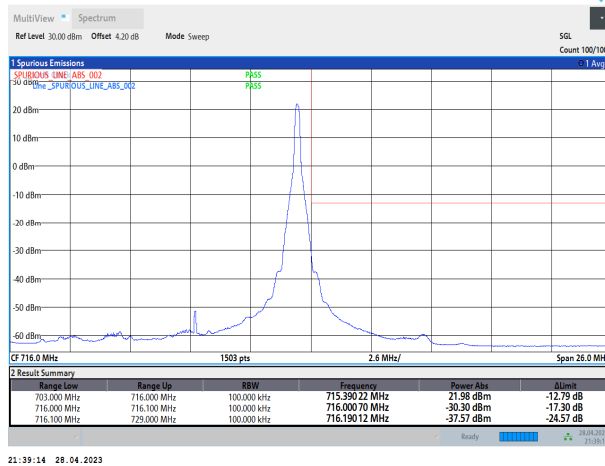


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Band17-10MHz-QPSK-23800-1RB#49



Band17-10MHz-QPSK-23800-50RB#0



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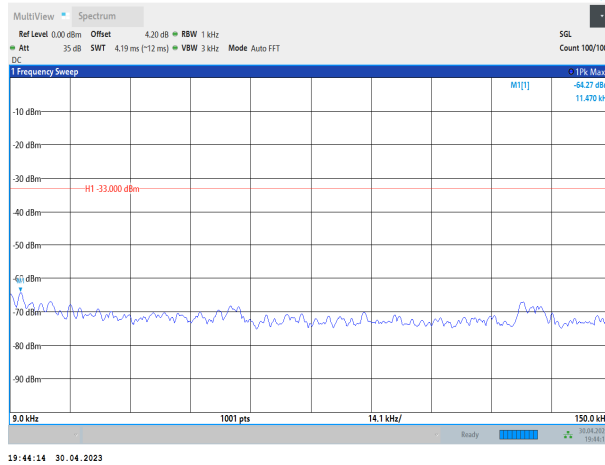
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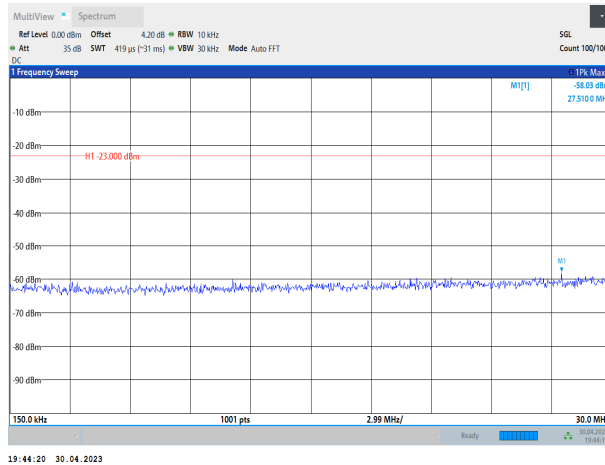
Conducted Spurious Emission

Test Graphs

Band17-10MHz-QPSK-23780-1RB#0-Range1:0.009~0.15MHz



Band17-10MHz-QPSK-23780-1RB#0-Range2:0.15~30MHz

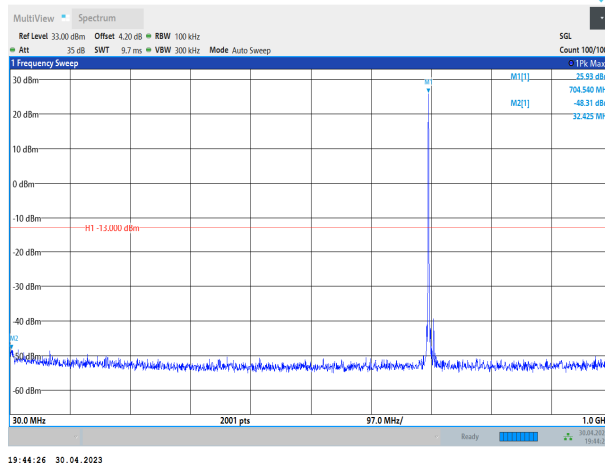


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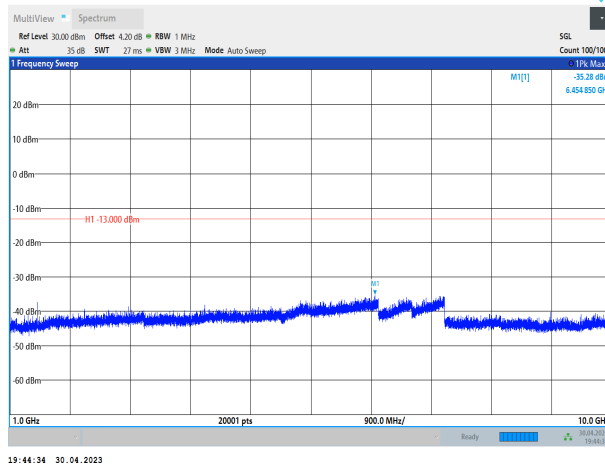
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Band17-10MHz-QPSK-23780-1RB#0-Range3:30~1000MHz



Band17-10MHz-QPSK-23780-1RB#0-Range4:1000~10000MHz

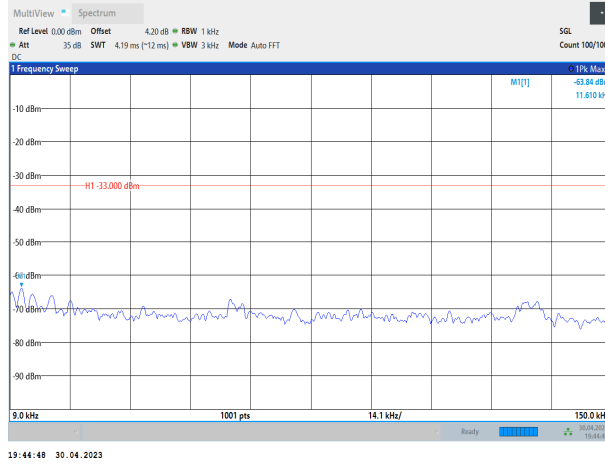


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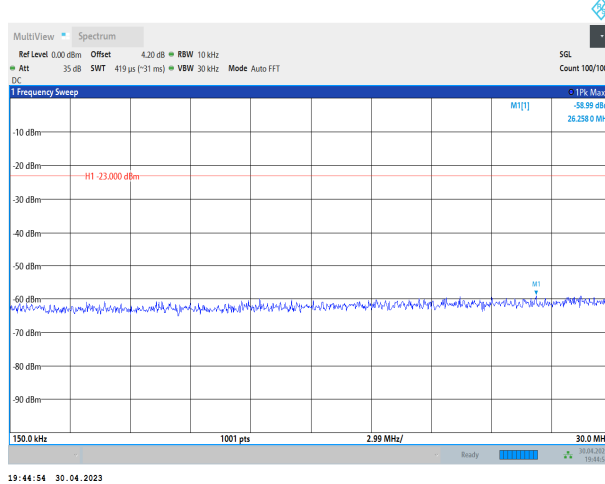
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Band17-10MHz-QPSK-23790-1RB#0-Range1:0.009~0.15MHz



Band17-10MHz-QPSK-23790-1RB#0-Range2:0.15~30MHz

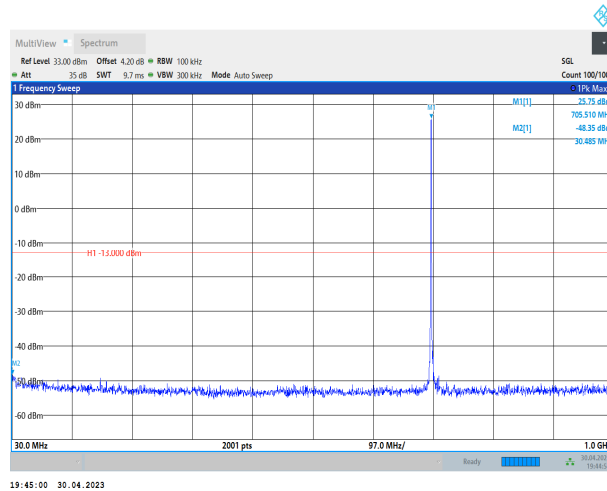


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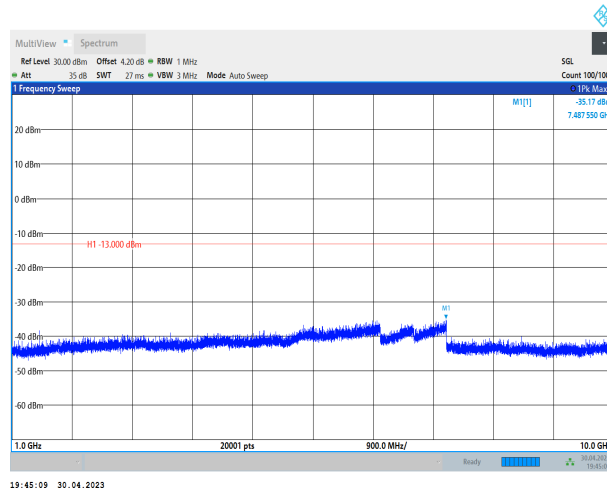
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Band17-10MHz-QPSK-23790-1RB#0-Range3:30~1000MHz



Band17-10MHz-QPSK-23790-1RB#0-Range4:1000~10000MHz

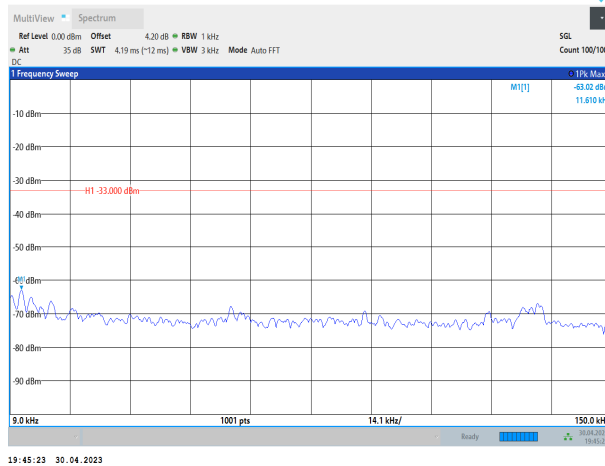


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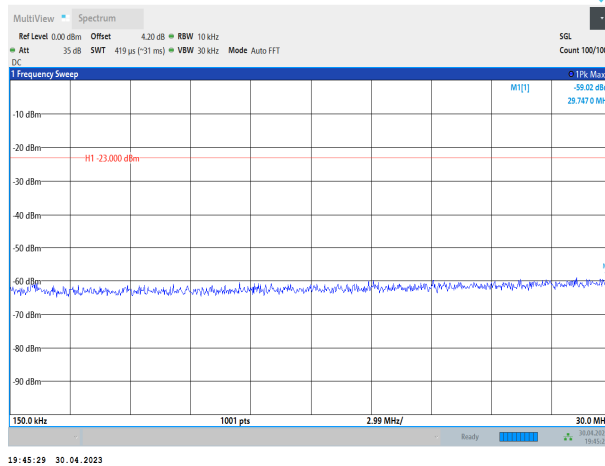
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Band17-10MHz-QPSK-23800-1RB#0-Range1:0.009~0.15MHz



Band17-10MHz-QPSK-23800-1RB#0-Range2:0.15~30MHz

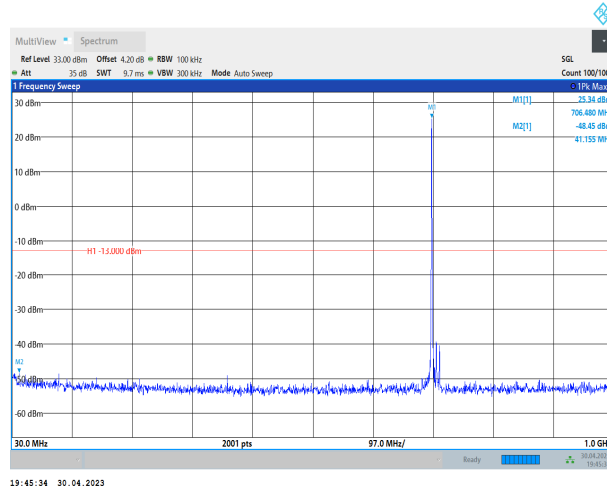


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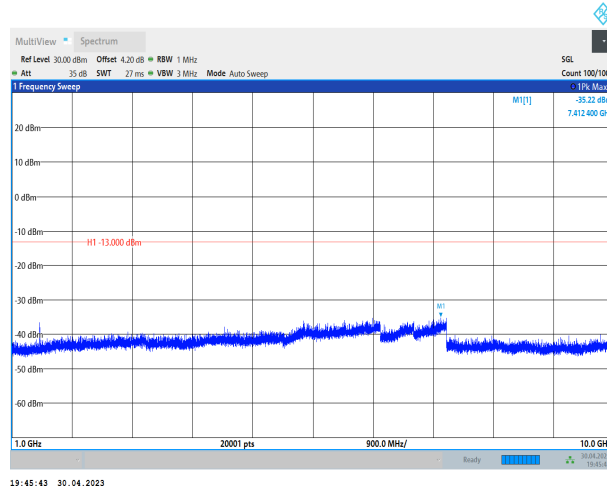
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Band17-10MHz-QPSK-23800-1RB#0-Range3:30~1000MHz



Band17-10MHz-QPSK-23800-1RB#0-Range4:1000~10000MHz



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Field Strength of Spurious Radiation

Test Band = LTE Band17_10MHz _ TM1

Test Channel = Low ANT0

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1409.1800	43.97	-48.03	25.61	-73.71	-13.00	60.71	215	210	Horizontal
2	2113.7700	42.45	-47.71	27.04	-73.48	-13.00	60.48	180	51	Horizontal
3	2818.3600	42.69	-46.85	28.56	-70.86	-13.00	57.86	136	144	Horizontal
4	3522.9500	42.21	-46.49	29.54	-70.00	-13.00	57.00	256	104	Horizontal
5	4227.5400	41.43	-45.91	31.16	-68.58	-13.00	55.58	291	341	Horizontal
6	4932.1300	41.75	-45.65	32.69	-66.47	-13.00	53.47	122	65	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1409.1800	43.92	-48.03	25.61	-73.76	-13.00	60.76	145	30	Vertical
2	2113.7700	42.65	-47.71	27.04	-73.28	-13.00	60.28	128	2	Vertical
3	2818.3600	42.52	-46.85	28.56	-71.03	-13.00	58.03	175	189	Vertical
4	3522.9500	42.04	-46.49	29.54	-70.17	-13.00	57.17	142	175	Vertical
5	4227.5400	40.75	-45.91	31.16	-69.26	-13.00	56.26	136	122	Vertical
6	4932.1300	41.97	-45.65	32.69	-66.25	-13.00	53.25	259	230	Vertical



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Test Band = LTE Band17_10MHz _ TM1

Test Channel = Mid ANT0

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1411.1800	44.37	-48.04	25.60	-73.32	-13.00	60.32	214	184	Horizontal
2	2116.7700	42.45	-47.70	27.05	-73.46	-13.00	60.46	175	360	Horizontal
3	2822.3600	42.77	-46.84	28.58	-70.75	-13.00	57.75	142	171	Horizontal
4	3527.9500	42.09	-46.48	29.55	-70.11	-13.00	57.11	136	359	Horizontal
5	4233.5400	40.71	-45.90	31.17	-69.28	-13.00	56.28	256	360	Horizontal
6	4939.1300	41.53	-45.67	32.71	-66.69	-13.00	53.69	291	184	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1411.1800	43.97	-48.04	25.60	-73.72	-13.00	60.72	211	307	Vertical
2	2116.7700	42.72	-47.70	27.05	-73.19	-13.00	60.19	145	4	Vertical
3	2822.3600	42.88	-46.84	28.58	-70.64	-13.00	57.64	122	55	Vertical
4	3527.9500	42.27	-46.48	29.55	-69.93	-13.00	56.93	236	201	Vertical
5	4233.5400	41.66	-45.90	31.17	-68.33	-13.00	55.33	256	1	Vertical
6	4939.1300	41.86	-45.67	32.71	-66.36	-13.00	53.36	291	240	Vertical



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Test Band = LTE Band17_10MHz _ TM1

Test Channel = High ANTO

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1413.1800	44.48	-48.04	25.60	-73.22	-13.00	60.22	214	331	Horizontal
2	2119.7700	42.65	-47.70	27.06	-73.25	-13.00	60.25	174	355	Horizontal
3	2826.3600	42.52	-46.83	28.60	-70.97	-13.00	57.97	144	184	Horizontal
4	3532.9500	41.97	-46.47	29.55	-70.21	-13.00	57.21	125	132	Horizontal
5	4239.5400	41.48	-45.89	31.18	-68.49	-13.00	55.49	165	212	Horizontal
6	4946.1300	42.02	-45.69	32.73	-66.20	-13.00	53.20	129	105	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1413.1800	44.43	-48.04	25.60	-73.27	-13.00	60.27	254	134	Vertical
2	2119.7700	42.80	-47.70	27.06	-73.10	-13.00	60.10	126	281	Vertical
3	2826.3600	43.13	-46.83	28.60	-70.36	-13.00	57.36	199	281	Vertical
4	3532.9500	42.16	-46.47	29.55	-70.02	-13.00	57.02	186	0	Vertical
5	4239.5400	41.60	-45.89	31.18	-68.37	-13.00	55.37	251	295	Vertical
6	4946.1300	41.74	-45.69	32.73	-66.48	-13.00	53.48	142	228	Vertical



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Test Band = LTE Band17_10MHz _ TM1

Test Channel = Low ANT4

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1409.1800	44.60	-48.03	25.61	-73.08	-13.00	60.08	144	224	Horizontal
2	2113.7700	42.56	-47.71	27.04	-73.37	-13.00	60.37	128	25	Horizontal
3	2818.3600	42.55	-46.85	28.56	-71.00	-13.00	58.00	185	360	Horizontal
4	3522.9500	42.17	-46.49	29.54	-70.04	-13.00	57.04	172	237	Horizontal
5	4227.5400	41.51	-45.91	31.16	-68.50	-13.00	55.50	136	359	Horizontal
6	4932.1300	41.62	-45.65	32.69	-66.60	-13.00	53.60	150	65	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1409.1800	44.26	-48.03	25.61	-73.42	-13.00	60.42	255	0	Vertical
2	2113.7700	42.78	-47.71	27.04	-73.15	-13.00	60.15	148	228	Vertical
3	2818.3600	43.18	-46.85	28.56	-70.37	-13.00	57.37	175	214	Vertical
4	3522.9500	42.35	-46.49	29.54	-69.86	-13.00	56.86	189	0	Vertical
5	4227.5400	41.18	-45.91	31.16	-68.83	-13.00	55.83	183	4	Vertical
6	4932.1300	42.54	-45.65	32.69	-65.68	-13.00	52.68	142	214	Vertical



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Test Band = LTE Band17_10MHz _ TM1

Test Channel = Mid ANT4

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1411.1800	43.86	-48.04	25.60	-73.83	-13.00	60.83	255	145	Horizontal
2	2116.7700	42.82	-47.70	27.05	-73.09	-13.00	60.09	146	210	Horizontal
3	2822.3600	43.24	-46.84	28.58	-70.28	-13.00	57.28	129	66	Horizontal
4	3527.9500	42.36	-46.48	29.55	-69.84	-13.00	56.84	186	225	Horizontal
5	4233.5400	40.86	-45.90	31.17	-69.13	-13.00	56.13	236	12	Horizontal
6	4939.1300	42.62	-45.67	32.71	-65.60	-13.00	52.60	251	3	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1411.1800	44.07	-48.04	25.60	-73.62	-13.00	60.62	144	294	Vertical
2	2116.7700	43.23	-47.70	27.05	-72.68	-13.00	59.68	175	1	Vertical
3	2822.3600	42.69	-46.84	28.58	-70.83	-13.00	57.83	129	347	Vertical
4	3527.9500	42.48	-46.48	29.55	-69.72	-13.00	56.72	188	294	Vertical
5	4233.5400	41.48	-45.90	31.17	-68.51	-13.00	55.51	142	347	Vertical
6	4939.1300	41.77	-45.67	32.71	-66.45	-13.00	53.45	126	147	Vertical



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Test Band = LTE Band17_10MHz _ TM1

Test Channel = High ANT4

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1413.1800	44.78	-48.04	25.60	-72.92	-13.00	59.92	122	132	Horizontal
2	2119.7700	42.58	-47.70	27.06	-73.32	-13.00	60.32	154	353	Horizontal
3	2826.3600	42.85	-46.83	28.60	-70.64	-13.00	57.64	175	25	Horizontal
4	3532.9500	42.38	-46.47	29.55	-69.80	-13.00	56.80	144	12	Horizontal
5	4239.5400	41.55	-45.89	31.18	-68.42	-13.00	55.42	129	118	Horizontal
6	4946.1300	41.57	-45.69	32.73	-66.65	-13.00	53.65	283	267	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1413.1800	43.67	-48.04	25.60	-74.03	-13.00	61.03	222	4	Vertical
2	2119.7700	42.87	-47.70	27.06	-73.03	-13.00	60.03	142	1	Vertical
3	2826.3600	42.24	-46.83	28.60	-71.25	-13.00	58.25	156	202	Vertical
4	3532.9500	42.04	-46.47	29.55	-70.14	-13.00	57.14	291	9	Vertical
5	4239.5400	41.19	-45.89	31.18	-68.78	-13.00	55.78	105	320	Vertical
6	4946.1300	41.73	-45.69	32.73	-66.49	-13.00	53.49	136	242	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) - Pre-amplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band17	10MHz	QPSK	23790	50RB#0	VL	NT	0.90	0.001268	PASS
Band17	10MHz	QPSK	23790	50RB#0	VN	NT	0.70	0.000986	PASS
Band17	10MHz	QPSK	23790	50RB#0	VH	NT	1.00	0.001408	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band17	10MHz	QPSK	23790	50RB#0	NV	-30	1.10	0.001549	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-20	-0.10	-0.000141	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-10	-0.30	-0.000423	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	0	1.30	0.001831	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	10	1.10	0.001549	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	20	0.30	0.000423	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	30	1.80	0.002535	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	40	-0.30	-0.000423	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	50	2.30	0.003239	PASS

---End of Attachment---



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