



# Appendix B.2

## WCDMA Band II&IV&V



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### Effective (Isotropic) Radiated Power Output Data

#### Test Result

Ant0:

Band	Channel	Power(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band2	9262	23.48	21.58	33	PASS
Band2	9400	23.53	21.63	33	PASS
Band2	9538	23.44	21.54	33	PASS
Band	Channel	Power(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band4	1312	23.48	22.48	30	PASS
Band4	1413	23.53	22.53	30	PASS
Band4	1513	23.44	22.44	30	PASS
Band	Channel	Power(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band5	4132	23.75	16.80	38.5	PASS
Band5	4182	23.67	16.72	38.5	PASS
Band5	4233	23.46	16.51	38.5	PASS



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### Peak-to-Average Ratio

#### Test Result

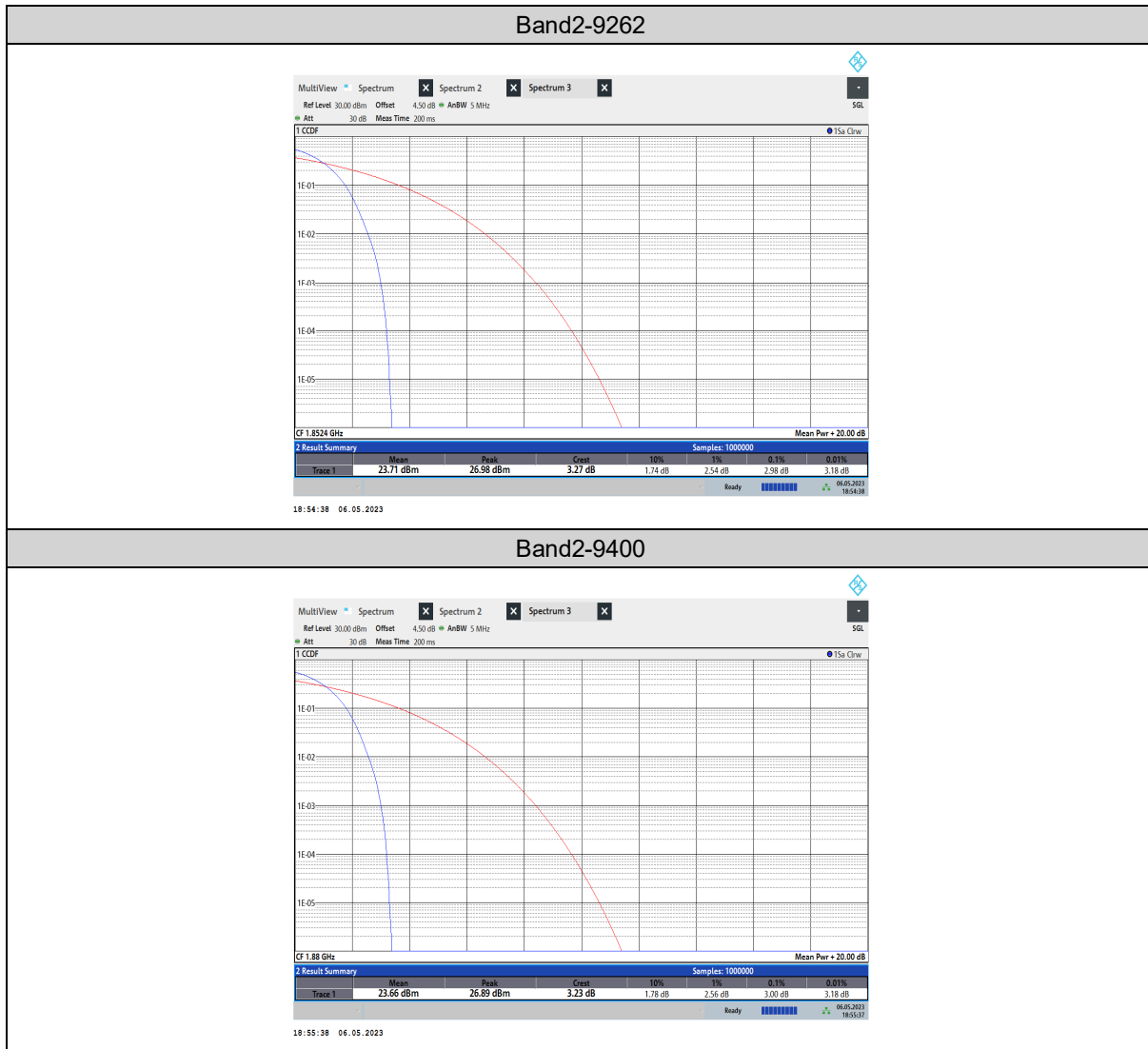
Band	Channel	Peak-to-Average Ratio(dB)	Limit(dBm)	Verdict
Band2	9262	2.98	13	PASS
Band2	9400	3.00	13	PASS
Band2	9538	2.94	13	PASS
Band4	1312	2.98	13	PASS
Band4	1413	3.04	13	PASS
Band4	1513	2.80	13	PASS
Band5	4132	2.94	13	PASS
Band5	4182	2.98	13	PASS
Band5	4233	3.04	13	PASS



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Test Graphs

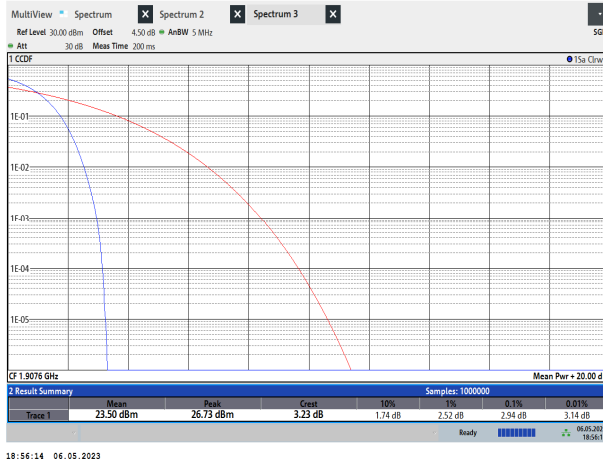


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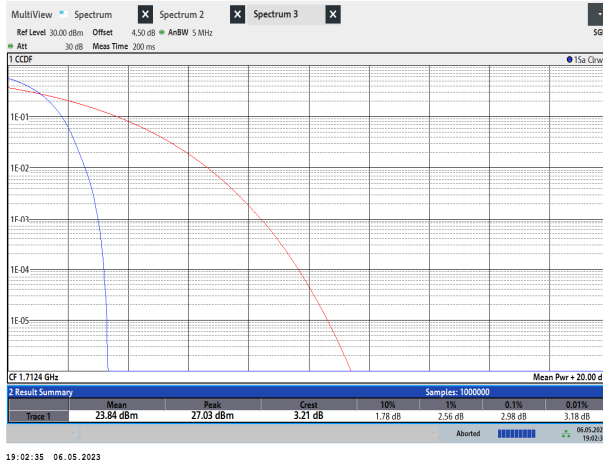
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Band2-9538



10:56:14 06.05.2023

Band4-1312



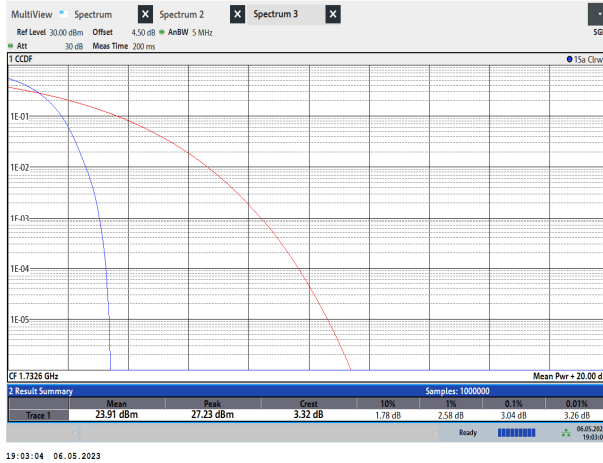
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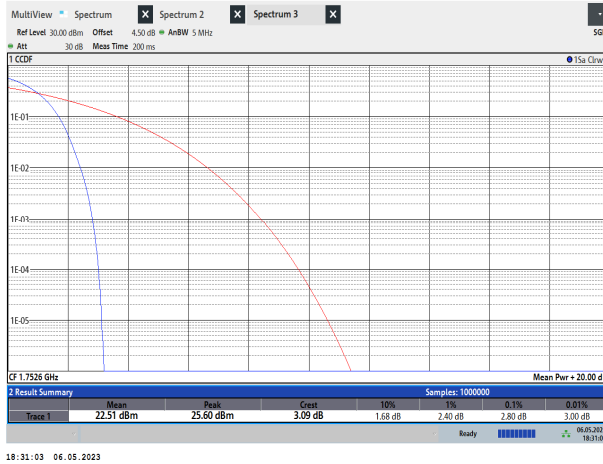
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Band4-1413



Band4-1513

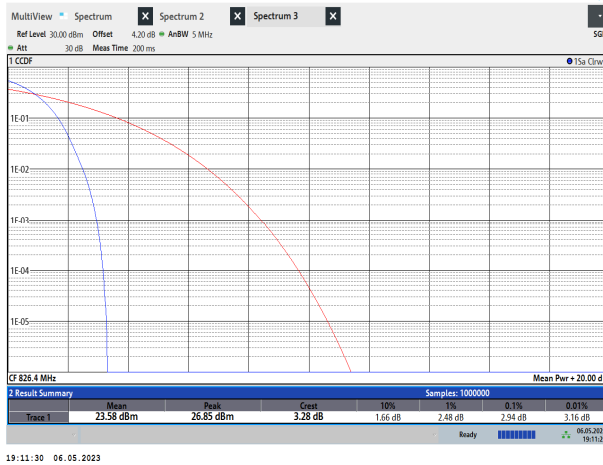


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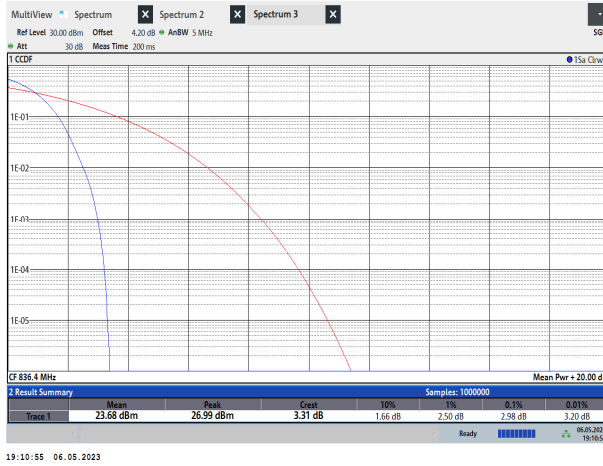
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Band5-4132



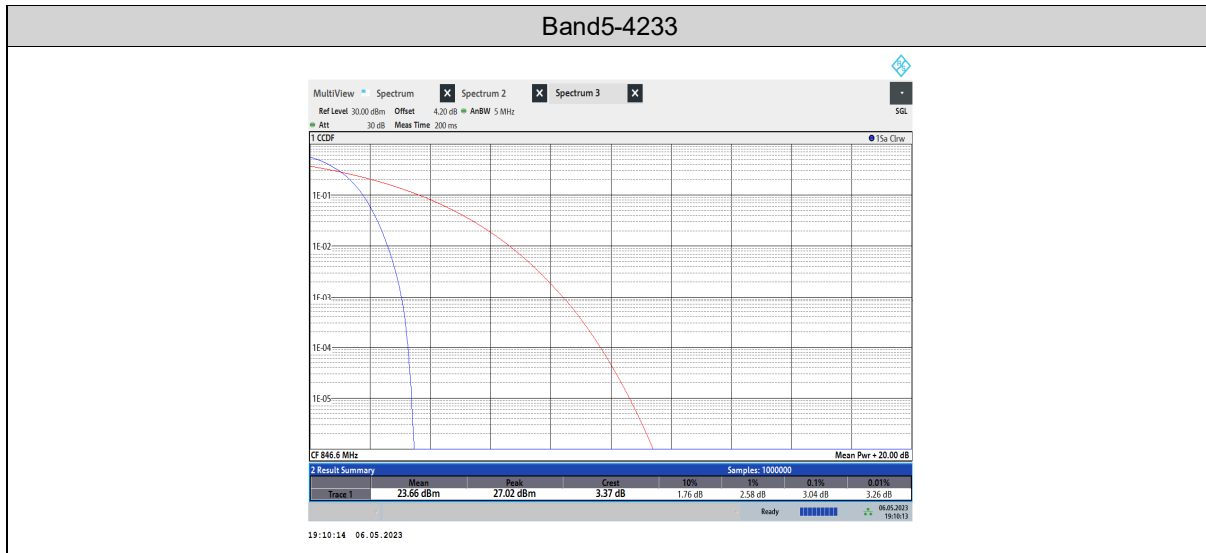
Band5-4182



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### Modulation Characteristics

#### Test Result

Band	Channel	Result	Verdict
Band2	9400	PASS	PASS
Band4	1413	PASS	PASS
Band5	4182	PASS	PASS

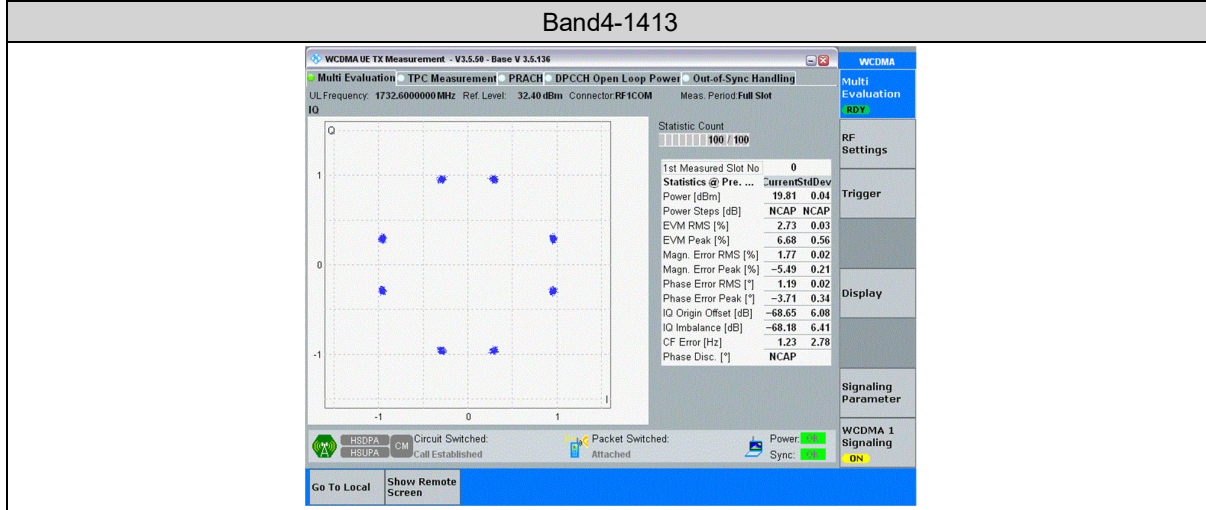
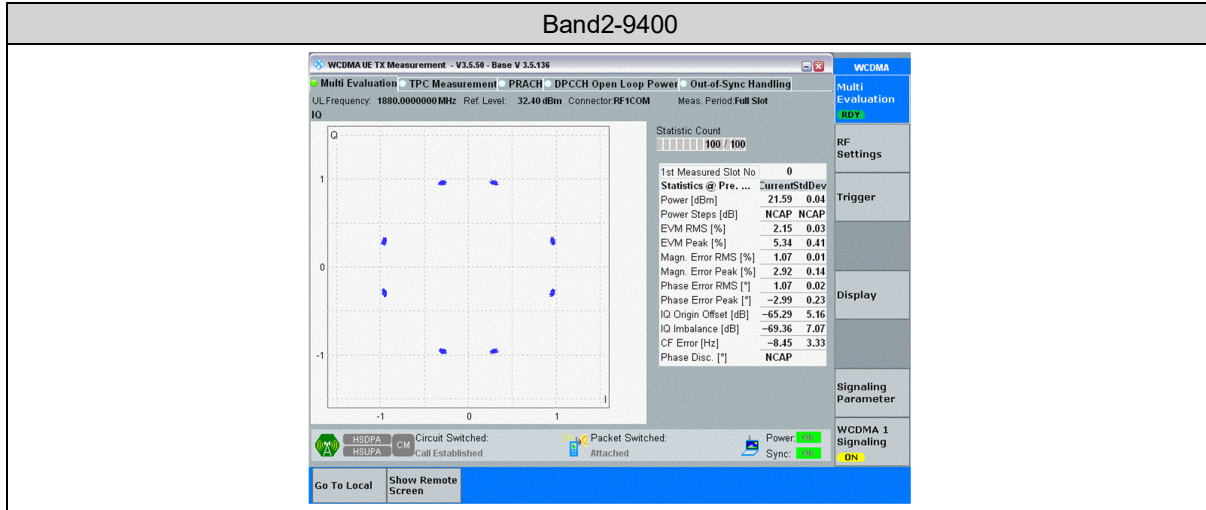


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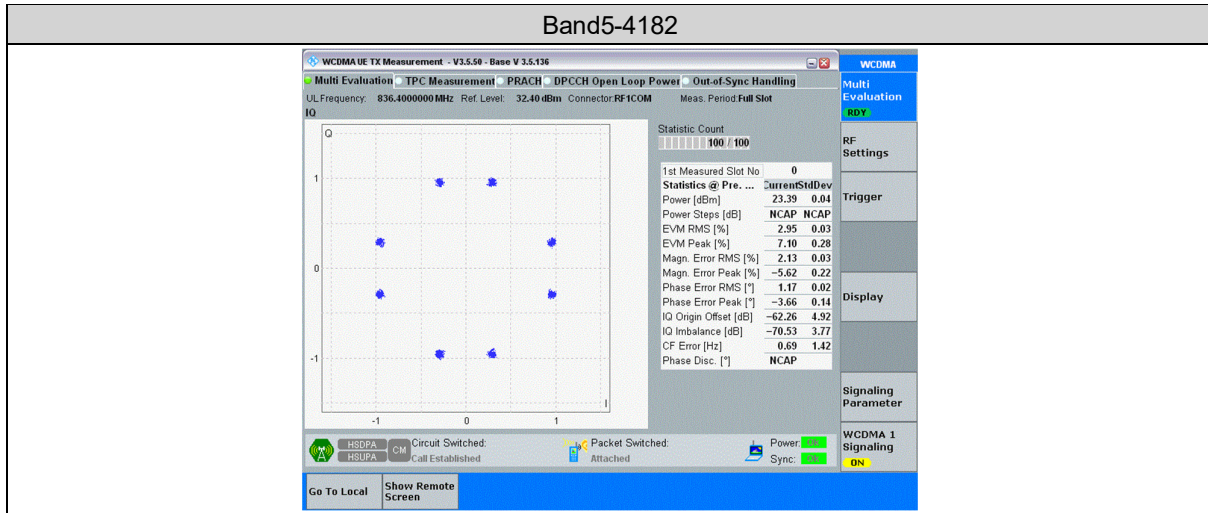
Test Graphs



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### 26dB Bandwidth and Occupied Bandwidth

#### Test Result

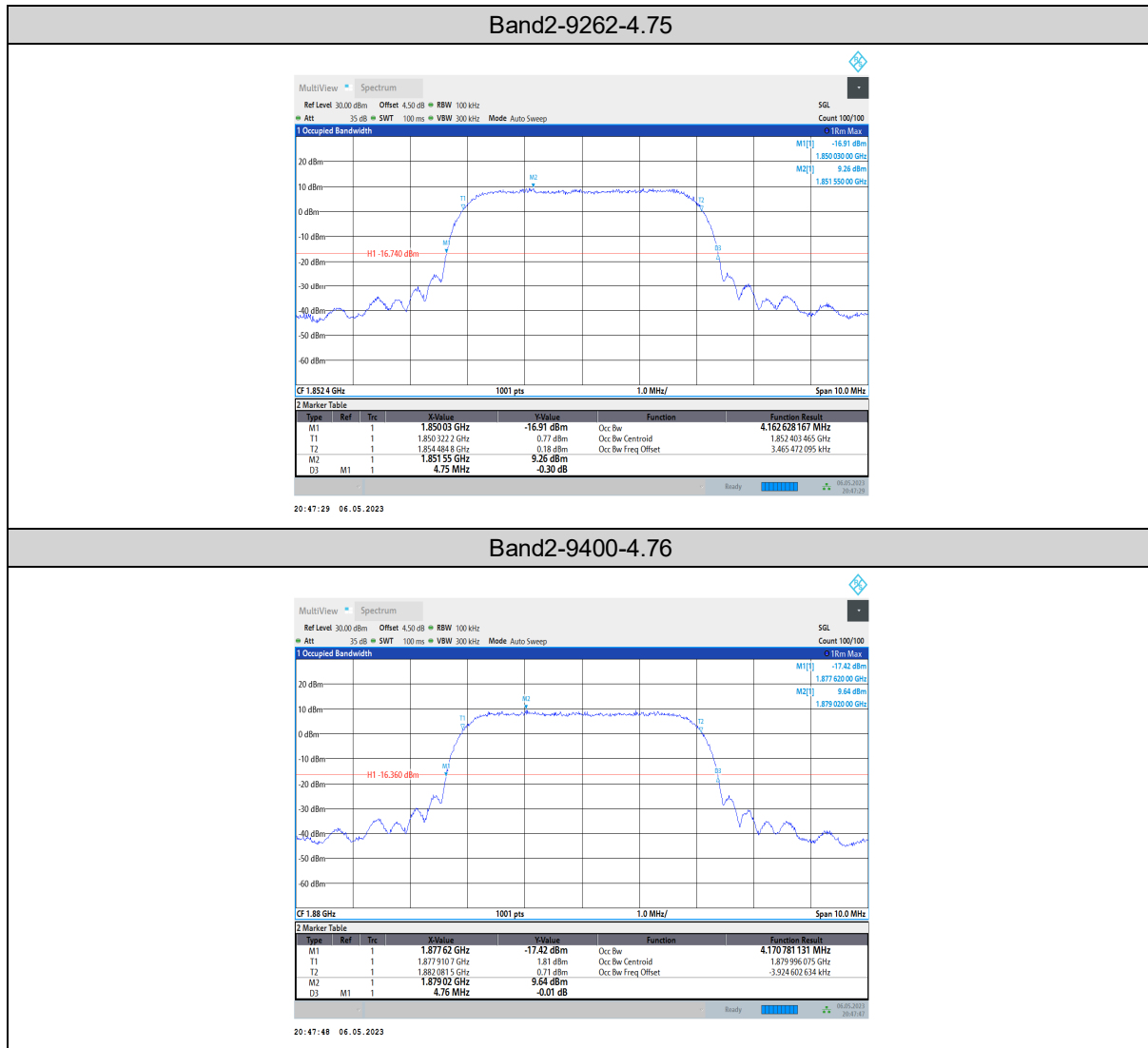
Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.163	4.75	---	PASS
Band2	9400	4.171	4.76	---	PASS
Band2	9538	4.175	4.75	---	PASS
Band4	1312	4.149	4.74	---	PASS
Band4	1413	4.15	4.72	---	PASS
Band4	1513	4.149	4.73	---	PASS
Band5	4132	4.142	4.75	---	PASS
Band5	4182	4.139	4.73	---	PASS
Band5	4233	4.142	4.74	---	PASS



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Test Graphs

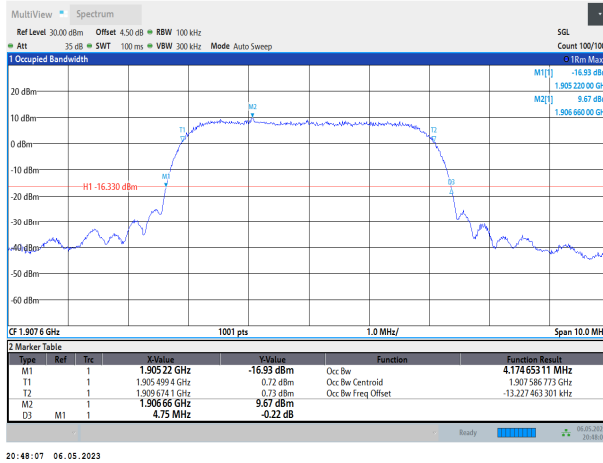


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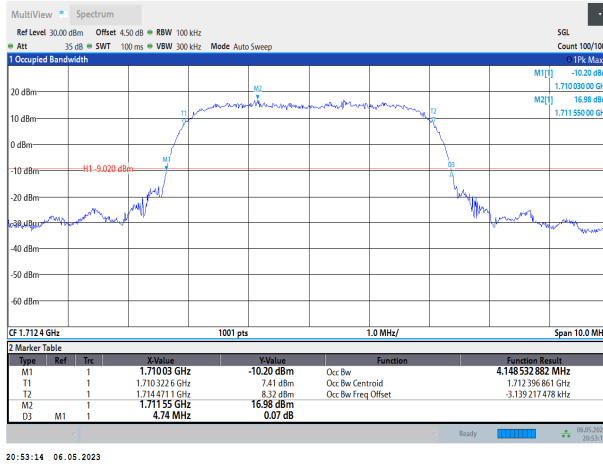
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Band2-9538-4.75



Band4-1312-4.74

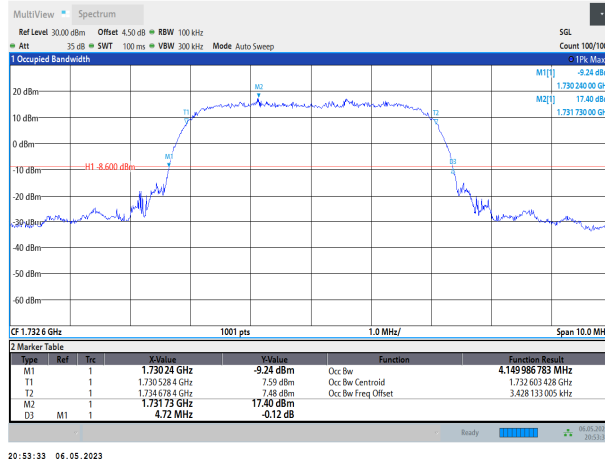


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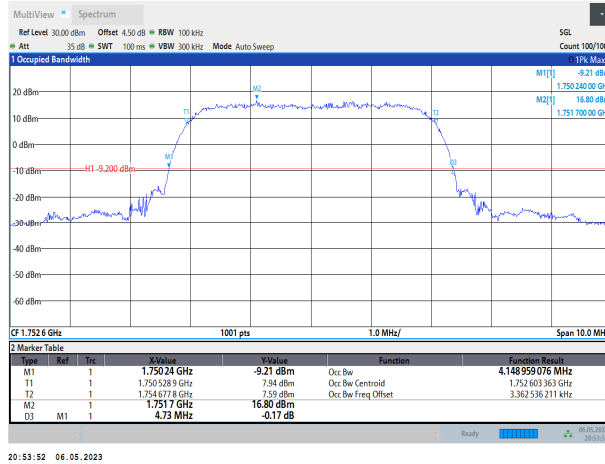
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Band4-1413-4.72



Band4-1513-4.73



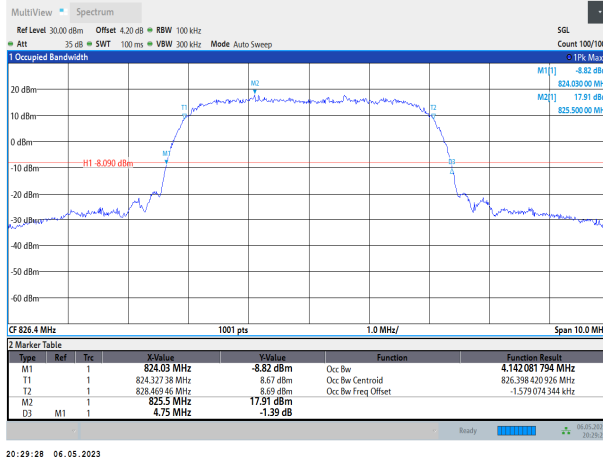
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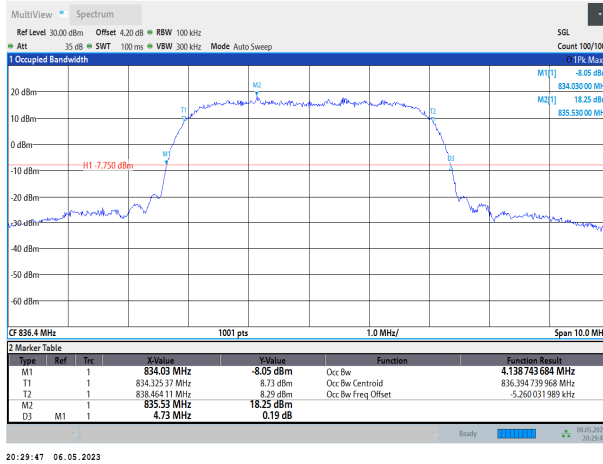
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Band5-4132-4.75



Band5-4182-4.73



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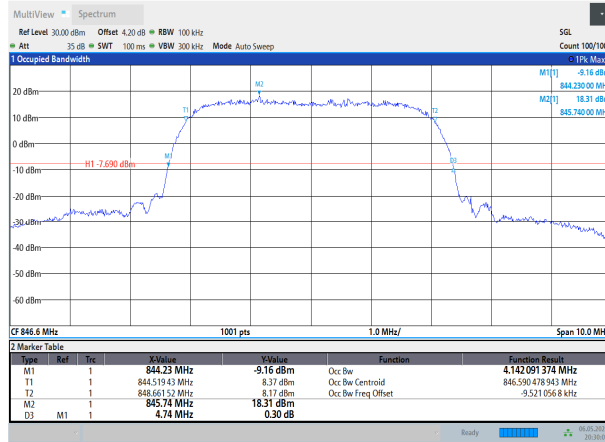
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Band5-4233-4.74

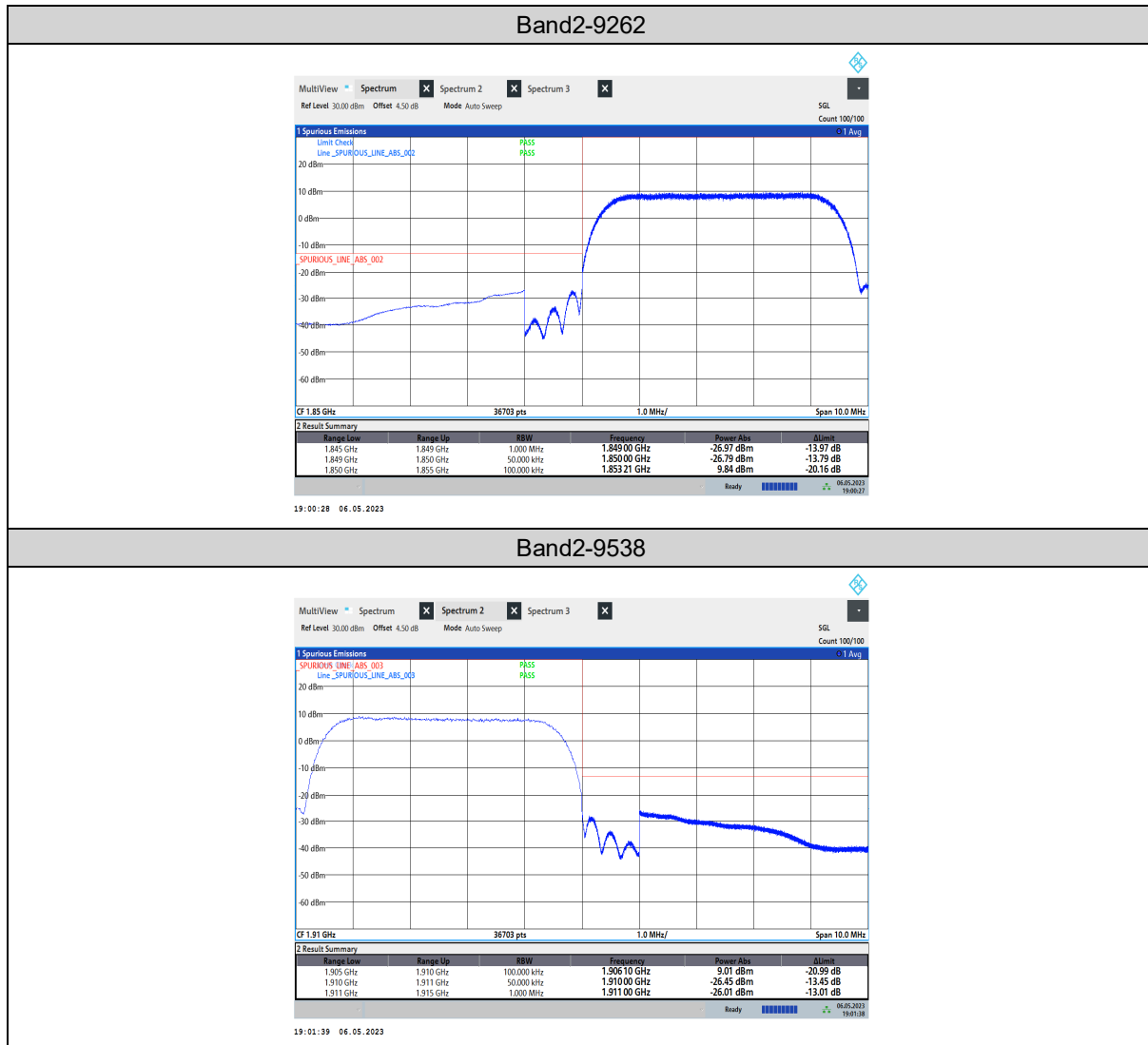


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## Band Edge

## Test Graphs

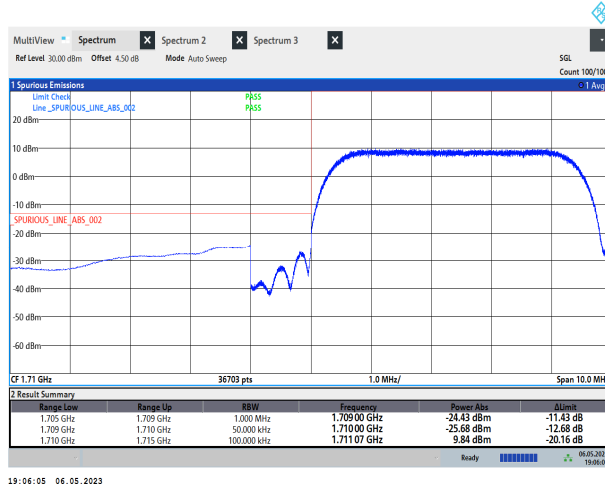


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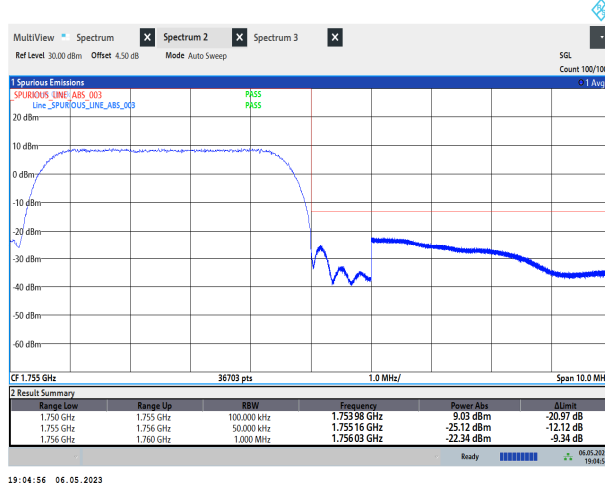
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Band4-1312



Band4-1513

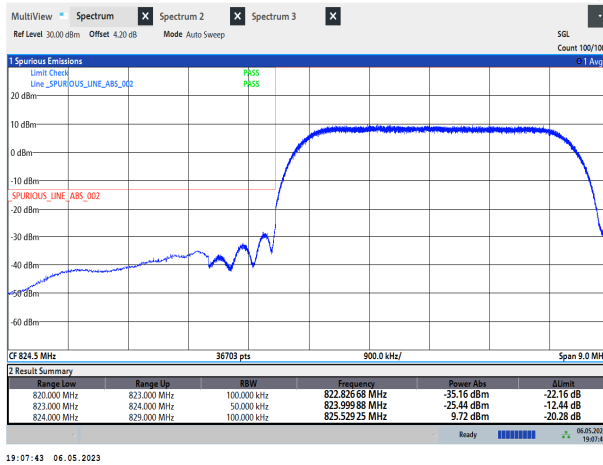


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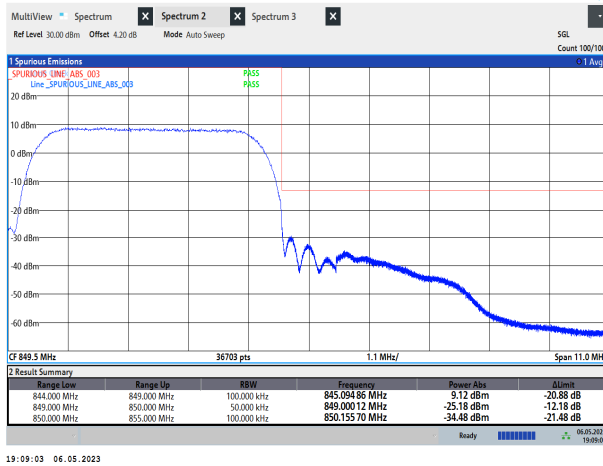
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Band5-4132



Band5-4233



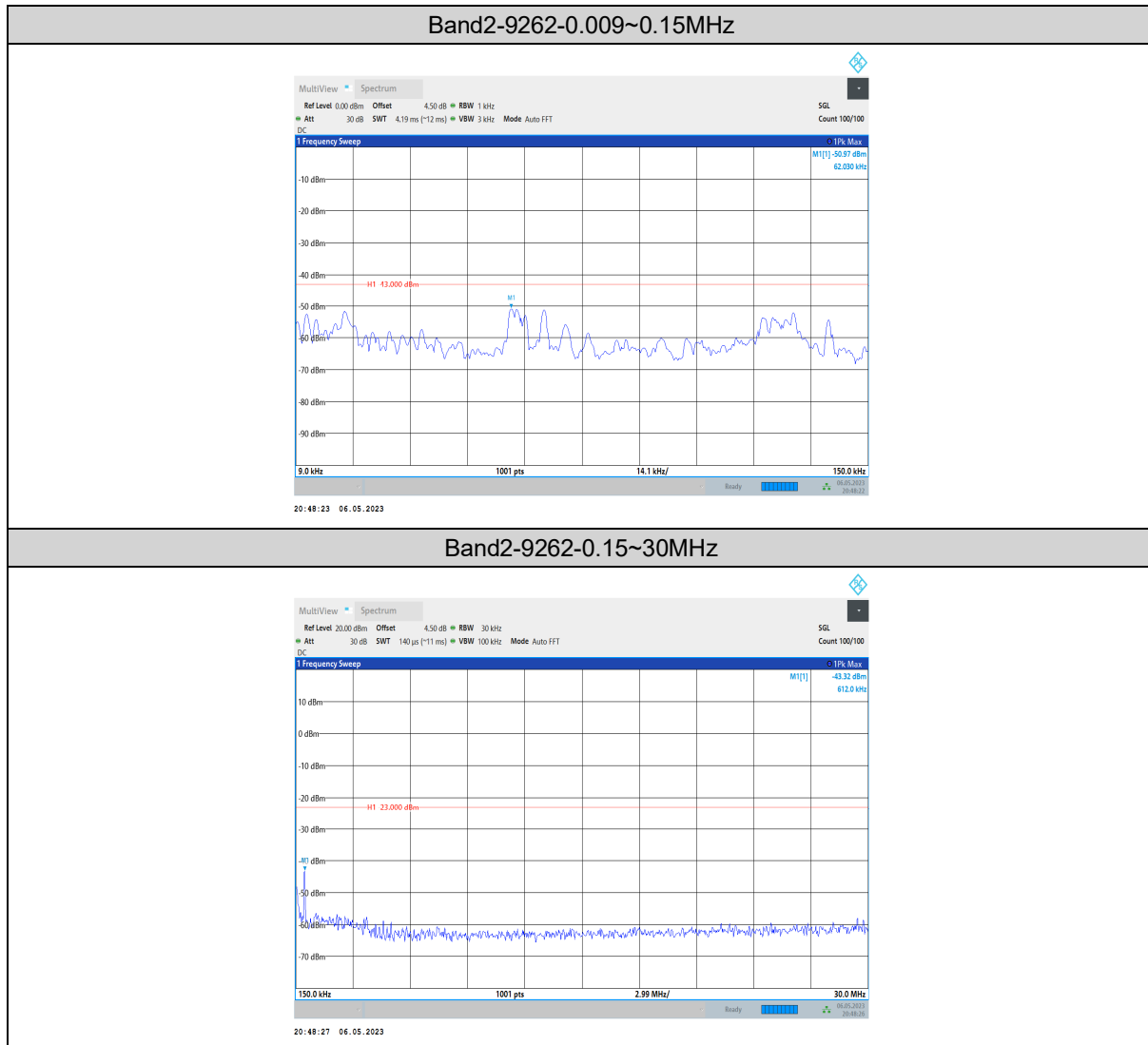
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## Conducted Spurious Emission

### Test Graphs



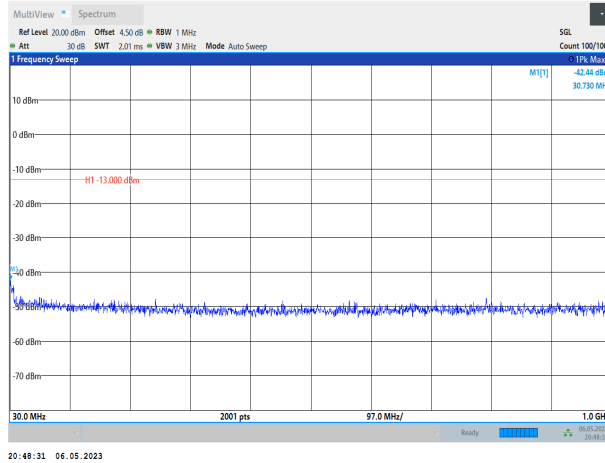
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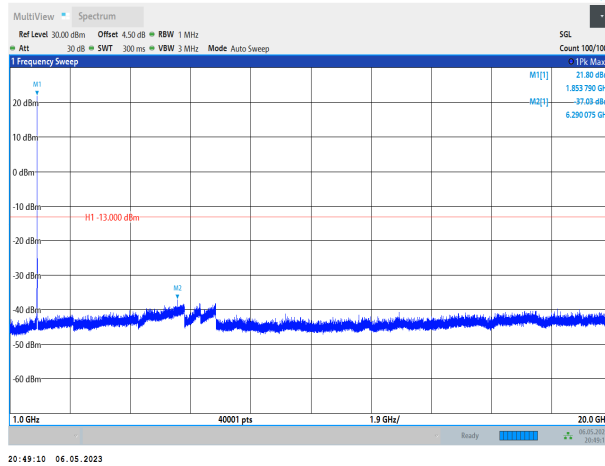
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Band2-9262-30~1000MHz

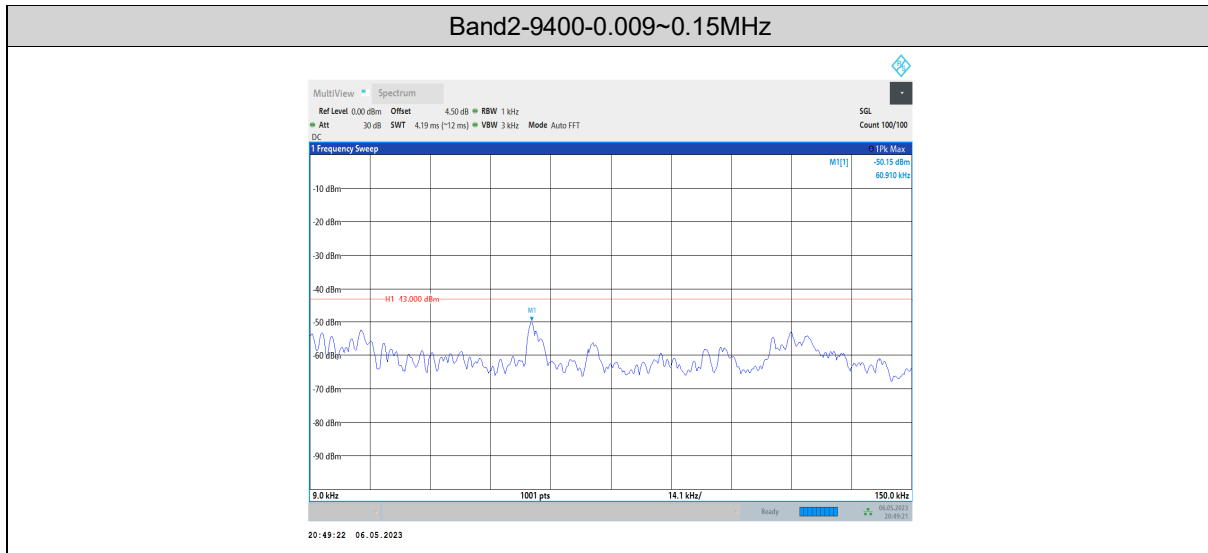


Band2-9262-1000~20000MHz



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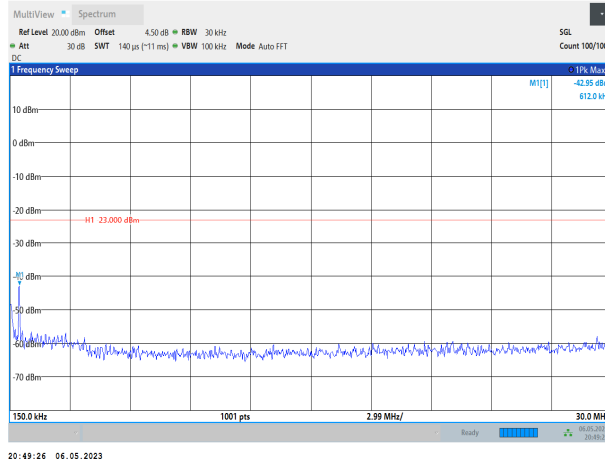


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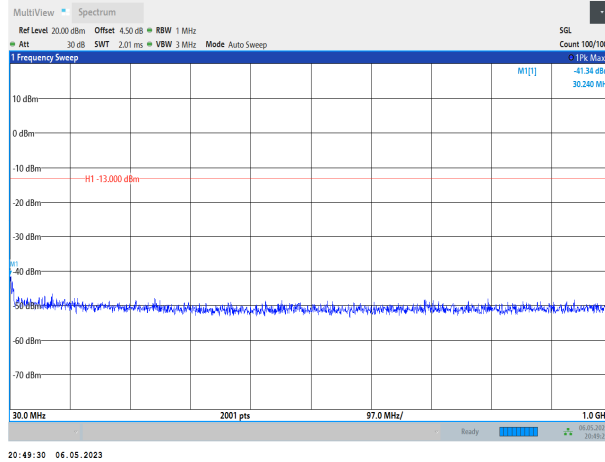
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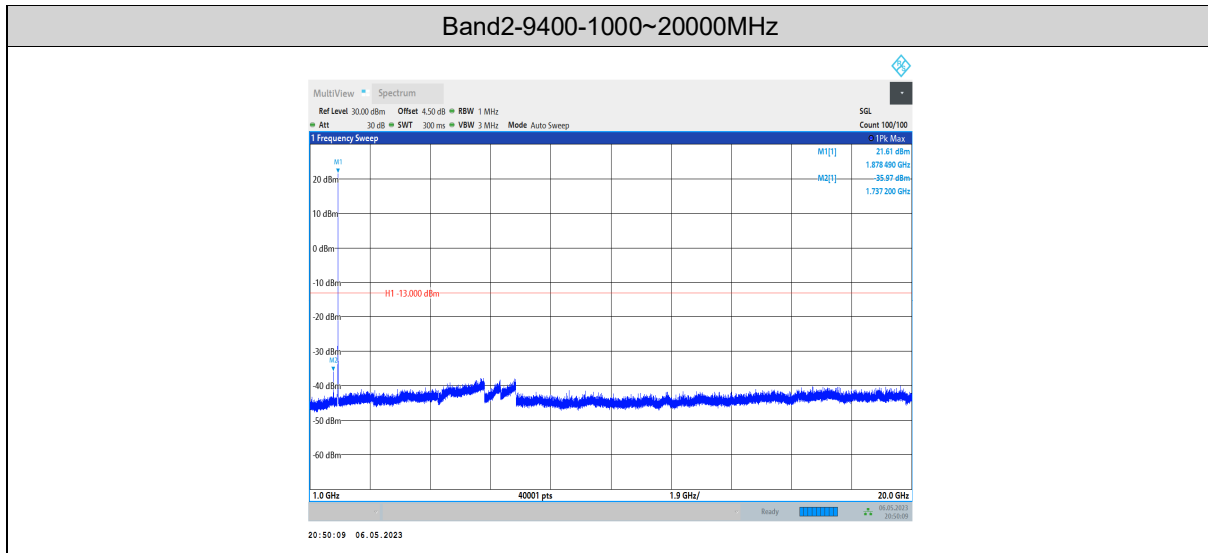
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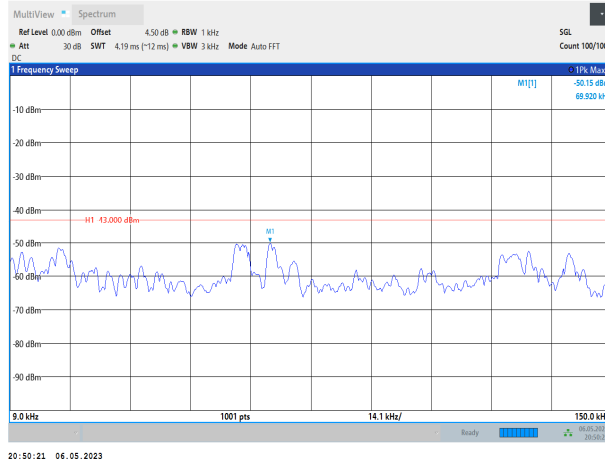
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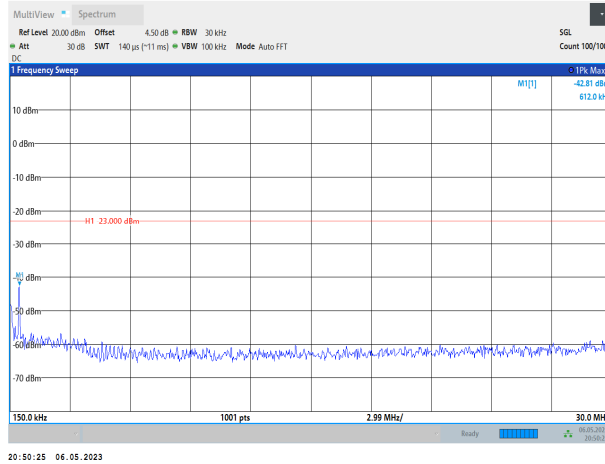
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Band2-9538-0.009~0.15MHz



Band2-9538-0.15~30MHz



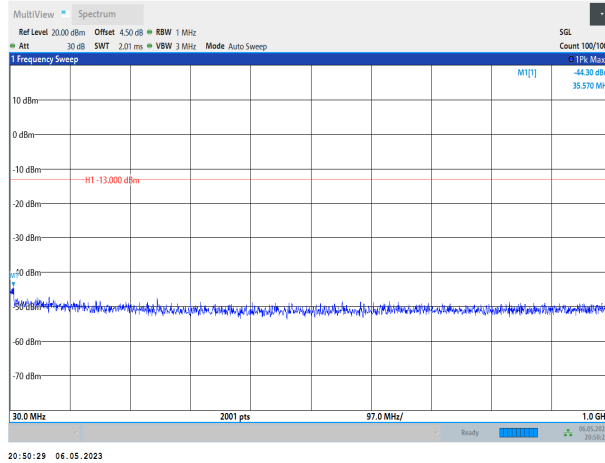
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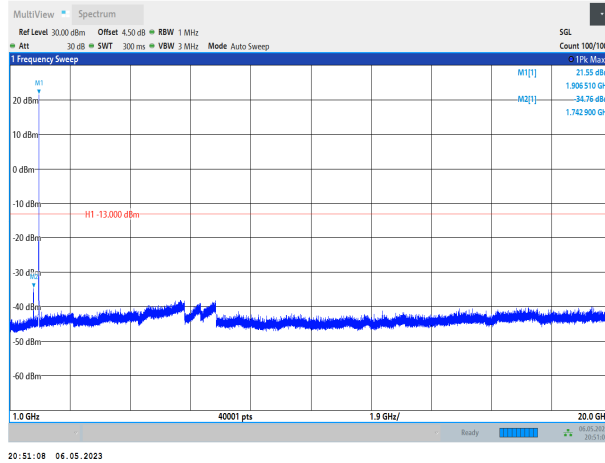
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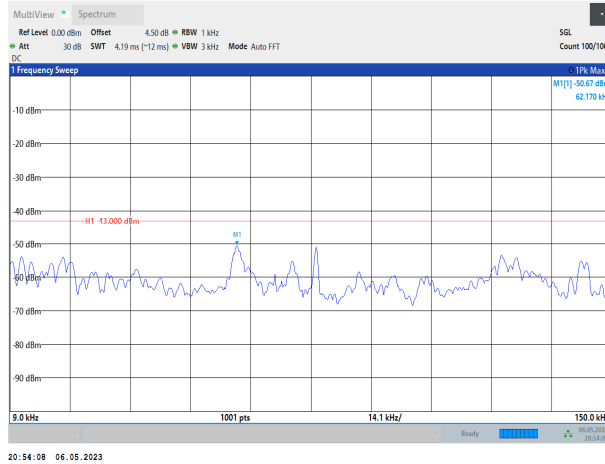
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Band2-9538-1000~20000MHz



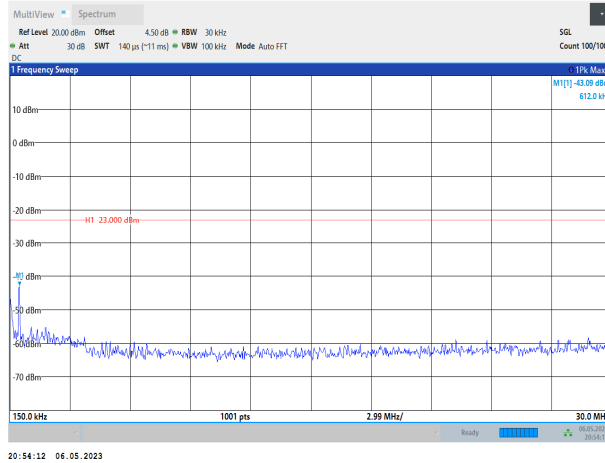
Band4-1312-0.009~0.15MHz



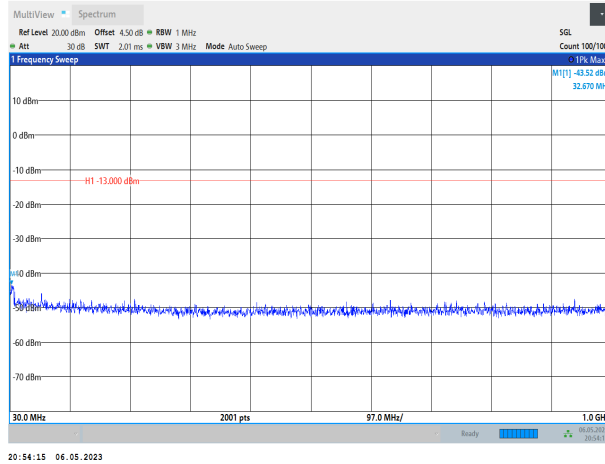
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Band4-1312-0.15~30MHz



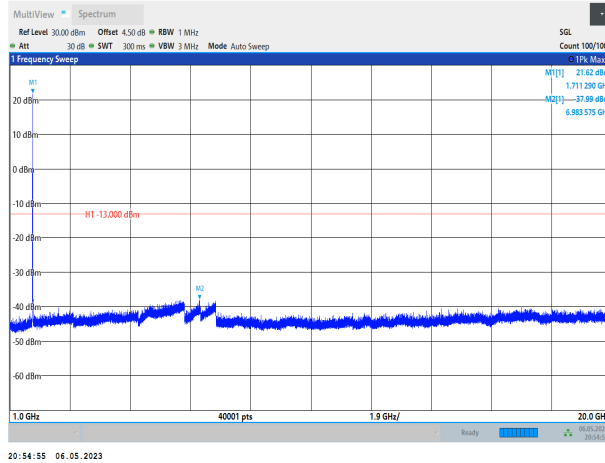
Band4-1312-30~1000MHz



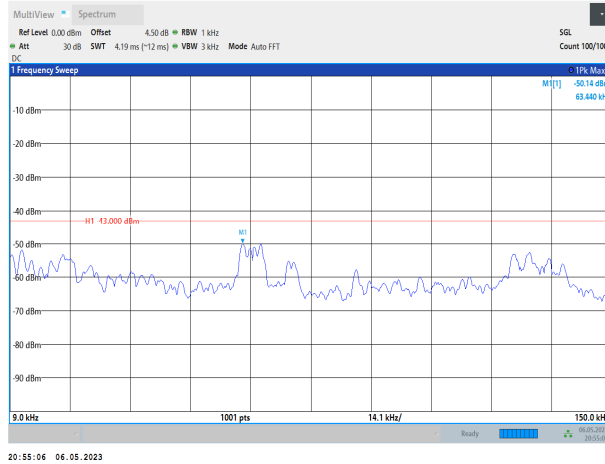
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Band4-1312-1000~20000MHz



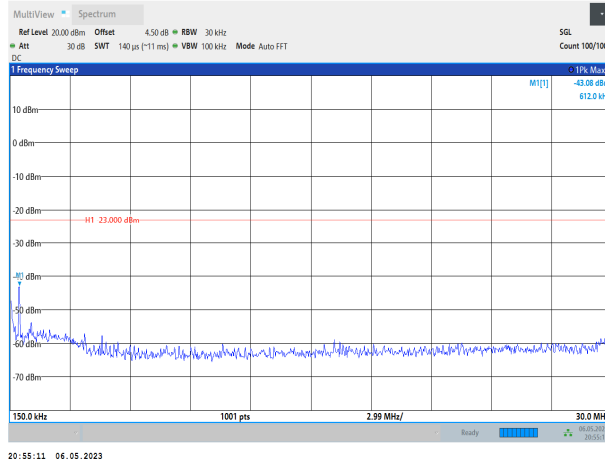
Band4-1413-0.009~0.15MHz



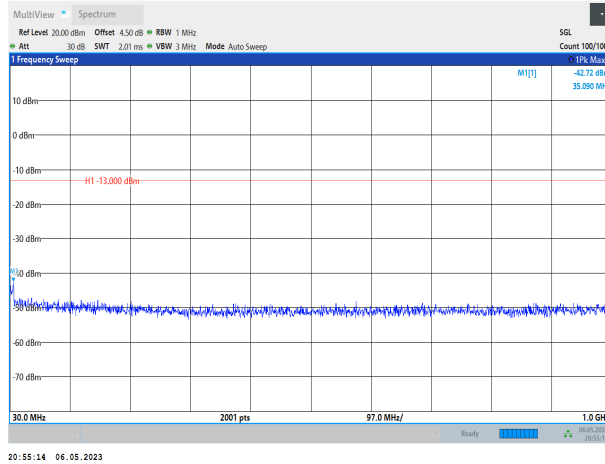
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Band4-1413-0.15~30MHz



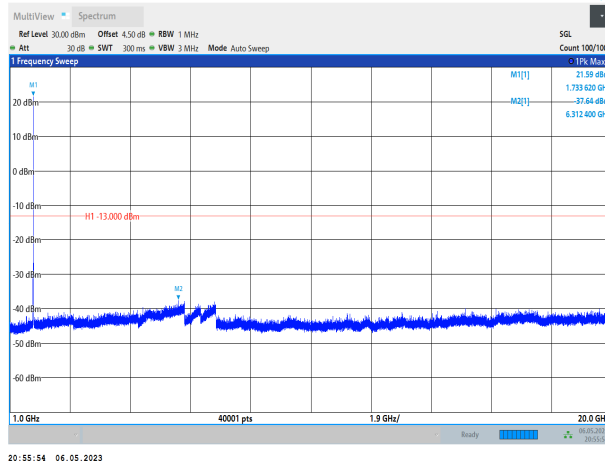
Band4-1413-30~1000MHz



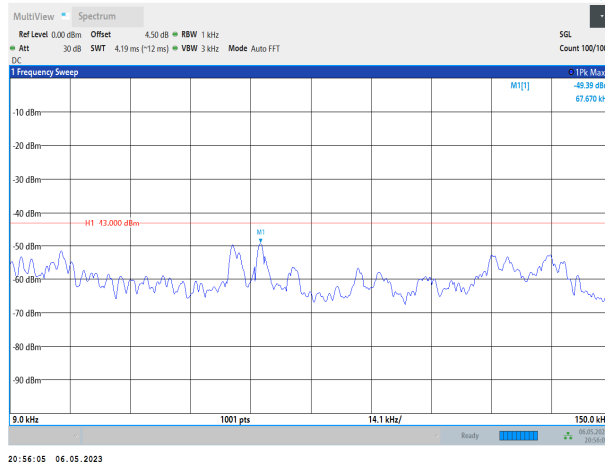
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Band4-1413-1000~20000MHz



Band4-1513-0.009~0.15MHz

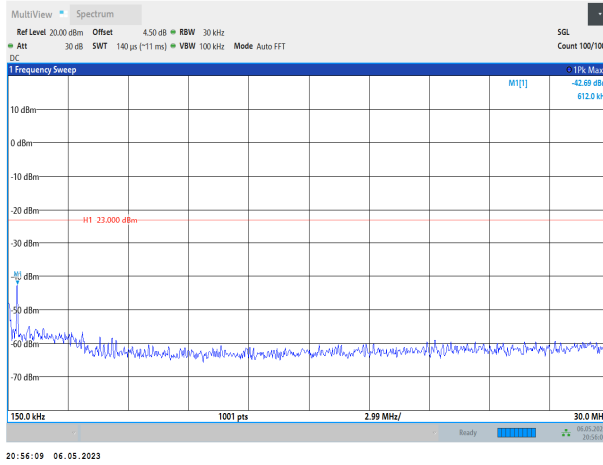


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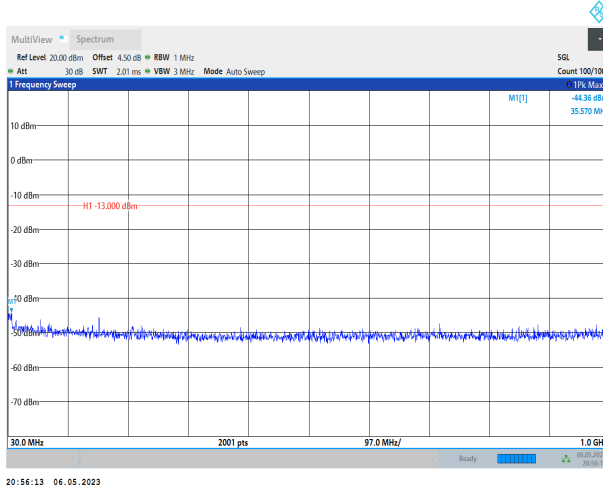
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Band4-1513-0.15~30MHz



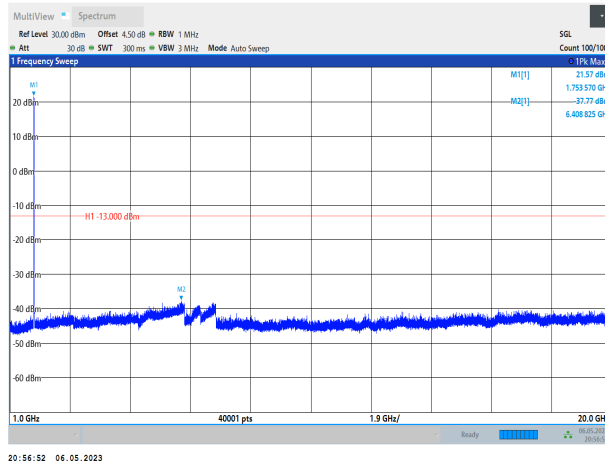
Band4-1513-30~1000MHz



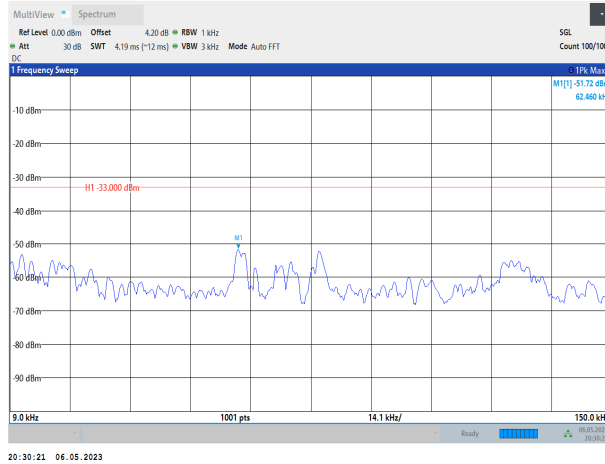
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Band4-1513-1000~20000MHz



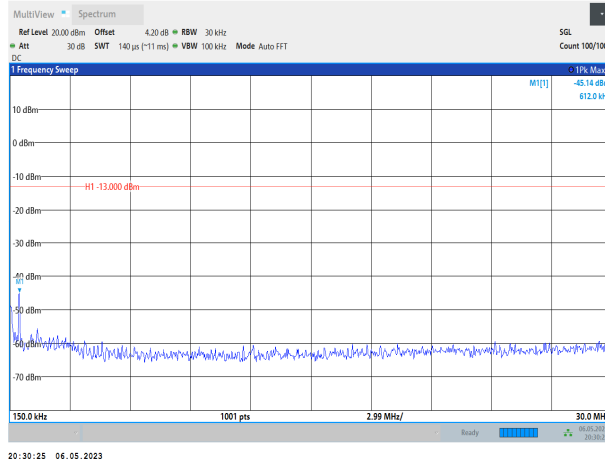
Band5-4132-0.009~0.15MHz



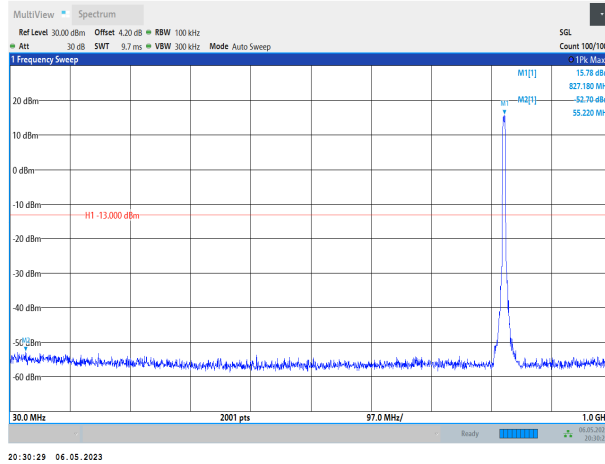
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Band5-4132-0.15~30MHz



Band5-4132-30~1000MHz

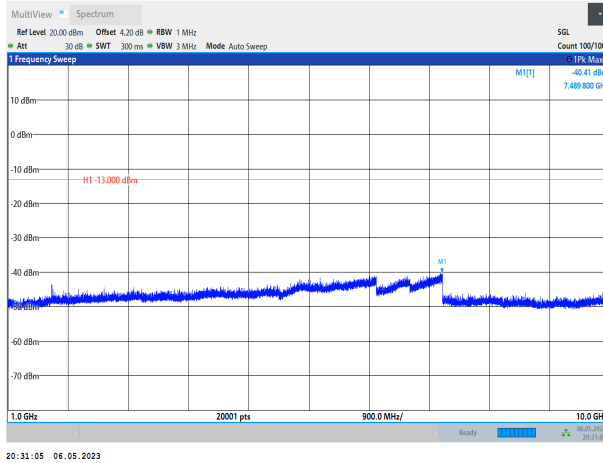


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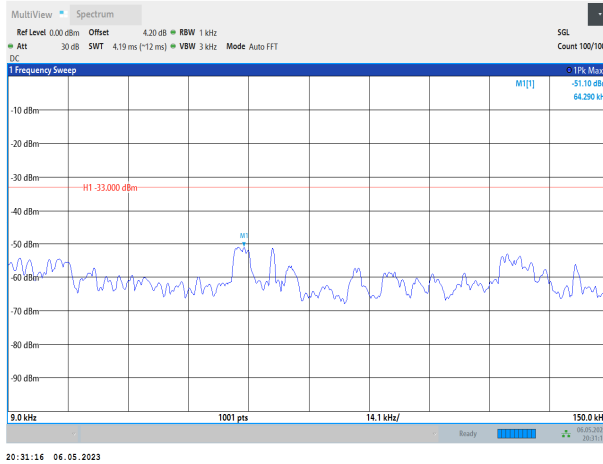
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Band5-4132-1000~10000MHz



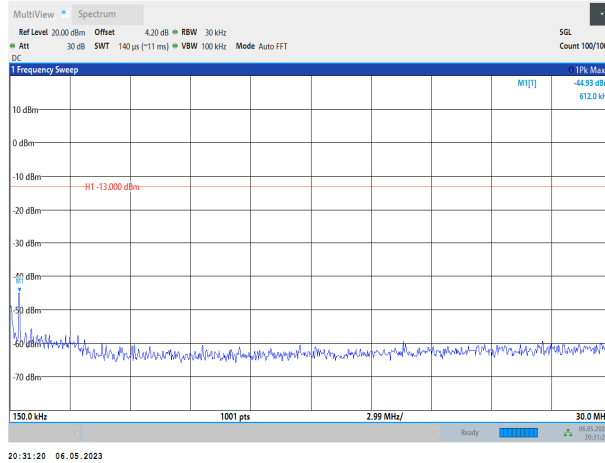
Band5-4182-0.009~0.15MHz



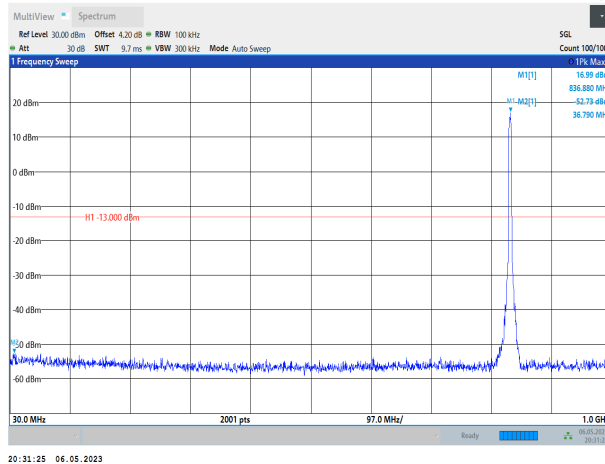
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Band5-4182-0.15~30MHz



Band5-4182-30~1000MHz

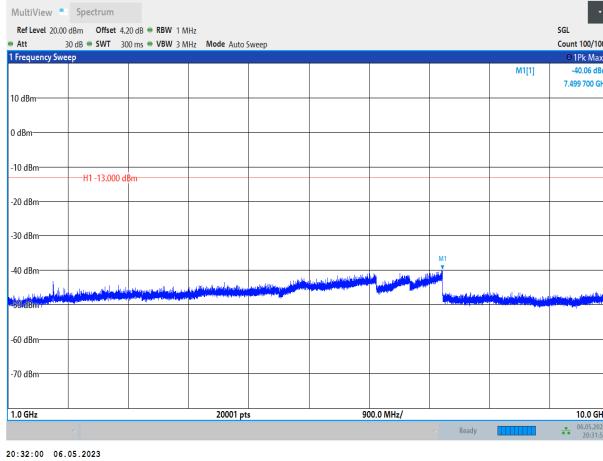


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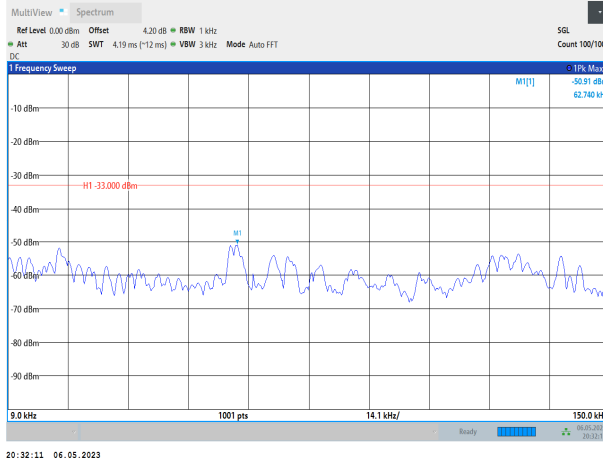
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Band5-4182-1000~10000MHz



Band5-4233-0.009~0.15MHz

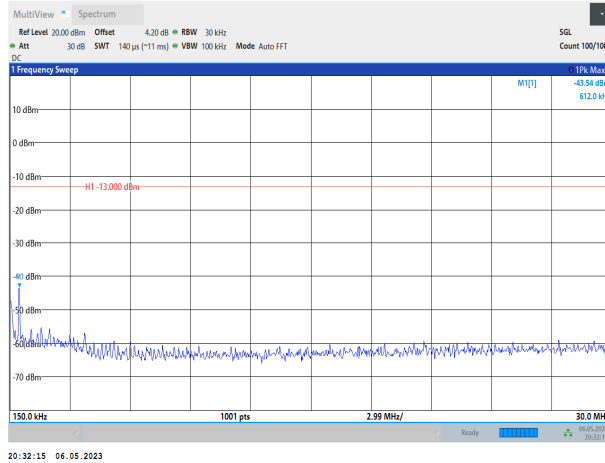


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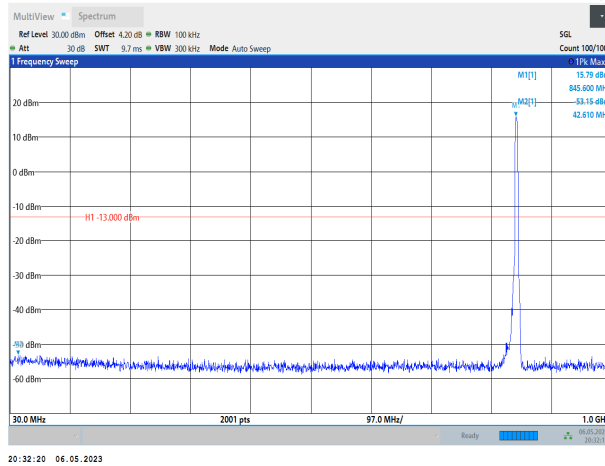
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Band5-4233-0.15~30MHz

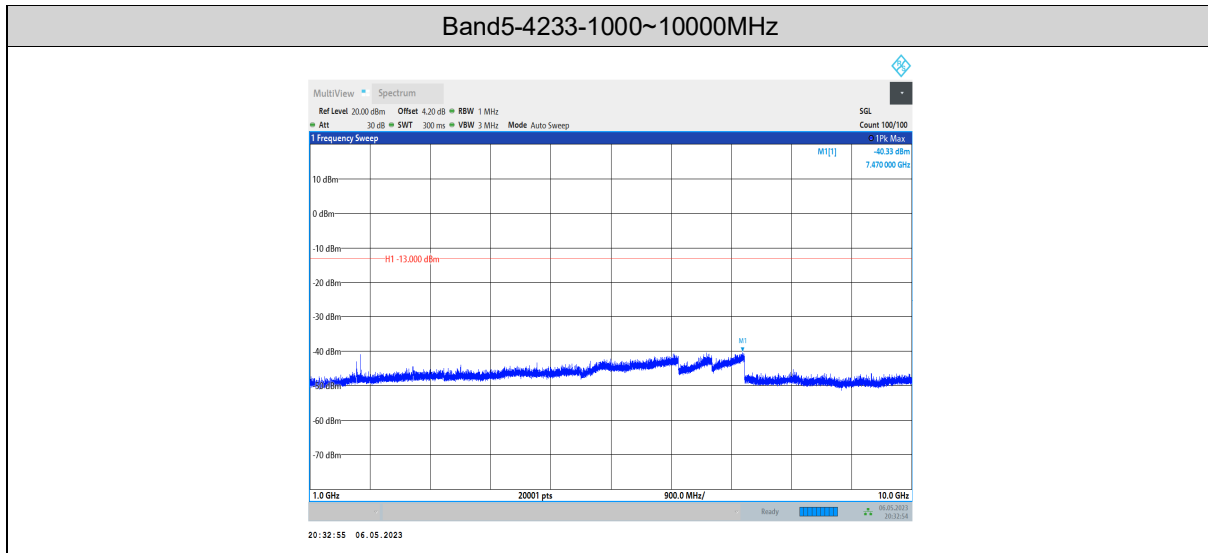


Band5-4233-30~1000MHz



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### Field Strength of Spurious Radiation

Test Band = WCDMA Band II\_ 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	3704.8000	41.07	-45.52	29.99	-69.72	-13.00	56.72	154	104	Horizontal
2	4932.75	42.74	-45.57	32.69	-65.39	-13.00	52.39	126	240	Horizontal
3	5557.2000	40.46	-45.14	32.97	-66.97	-13.00	53.97	152	43	Horizontal
4	7409.6000	39.41	-43.38	36.49	-62.75	-13.00	49.75	136	195	Horizontal
5	9262.0000	35.27	-40.23	38.39	-61.83	-13.00	48.83	259	195	Horizontal
6	11114.4000	31.83	-37.88	39.09	-62.22	-13.00	49.22	195	300	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3704.8000	40.90	-45.52	29.99	-69.89	-13.00	56.89	100	149	Vertical
2	4740	41.62	-45.58	32.14	-67.08	-13.00	54.08	136	209	Vertical
3	5557.2000	39.75	-45.14	32.97	-67.68	-13.00	54.68	251	4	Vertical
4	7409.6000	39.47	-43.38	36.49	-62.69	-13.00	49.69	188	299	Vertical
5	9262.0000	35.32	-40.23	38.39	-61.78	-13.00	48.78	174	30	Vertical
6	11114.4000	30.61	-37.88	39.09	-63.44	-13.00	50.44	185	44	Vertical



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**Test Band = WCDMA Band II\_ 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	3760.0000	41.76	-45.75	30.19	-69.07	-13.00	56.07	126	209	Horizontal
2	4932	42.50	-45.57	32.69	-65.64	-13.00	52.64	135	209	Horizontal
3	5640.0000	39.54	-44.98	33.17	-67.54	-13.00	54.54	148	43	Horizontal
4	7520.0000	38.35	-43.10	36.43	-63.58	-13.00	50.58	185	252	Horizontal
5	9400.0000	35.36	-39.83	38.49	-61.24	-13.00	48.24	152	118	Horizontal
6	11280.0000	31.80	-37.41	39.11	-61.76	-13.00	48.76	163	118	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3760.0000	40.51	-45.75	30.19	-70.32	-13.00	57.32	214	360	Vertical
2	4947.75	42.37	-45.58	32.73	-65.74	-13.00	52.74	156	239	Vertical
3	5640.0000	38.81	-44.98	33.17	-68.27	-13.00	55.27	136	14	Vertical
4	7520.0000	38.79	-43.10	36.43	-63.14	-13.00	50.14	256	135	Vertical
5	9400.0000	34.52	-39.83	38.49	-62.08	-13.00	49.08	128	179	Vertical
6	11280.0000	31.40	-37.41	39.11	-62.16	-13.00	49.16	145	360	Vertical



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Test Band = WCDMA Band II\_ 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	3815.2000	41.22	-45.97	30.37	-69.65	-13.00	56.65	215	271	Horizontal
2	4923	42.70	-45.56	32.66	-65.45	-13.00	52.45	142	179	Horizontal
3	5722.8000	39.83	-44.83	33.47	-66.79	-13.00	53.79	136	286	Horizontal
4	7630.0000	38.42	-42.99	36.45	-63.38	-13.00	50.38	256	196	Horizontal
5	9538.0000	33.81	-40.01	38.46	-63.01	-13.00	50.01	129	360	Horizontal
6	11445.6000	31.70	-37.34	39.06	-61.84	-13.00	48.84	188	196	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3815.2000	40.80	-45.97	30.37	-70.07	-13.00	57.07	214	60	Vertical
2	4923.75	42.75	-45.56	32.67	-65.40	-13.00	52.40	128	180	Vertical
3	5722.8000	40.22	-44.83	33.47	-66.40	-13.00	53.40	148	75	Vertical
4	7630.0000	38.03	-42.99	36.45	-63.77	-13.00	50.77	175	359	Vertical
5	9538.0000	34.16	-40.01	38.46	-62.66	-13.00	49.66	156	270	Vertical
6	11445.6000	31.82	-37.34	39.06	-61.72	-13.00	48.72	136	359	Vertical



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Test Band = WCDMA Band IV\_ TM1
Test Channel = Low ANT0

Data List table with columns: NO., Frequency [MHz], Reading [dBμV], Factor [dB], AF[dB/m], Level [dBm], Limit [dBm], Margin [dB], Height [cm], Angle [°], Polarity. Contains 6 rows of test data.

Data List table with columns: NO., Frequency [MHz], Reading [dBμV], Factor [dB], AF[dB/m], Level [dBm], Limit [dBm], Margin [dB], Height [cm], Angle [°], Polarity. Contains 6 rows of test data.



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Test Band = WCDMA Band IV\_ 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	3465.2000	41.71	-46.27	29.49	-70.33	-13.00	57.33	222	46	Horizontal
2	4473	41.92	-45.74	31.58	-67.50	-13.00	54.50	145	76	Horizontal
3	5197.8000	40.60	-45.28	32.99	-66.95	-13.00	53.95	136	271	Horizontal
4	6930.4000	39.49	-43.93	36.00	-63.70	-13.00	50.70	256	209	Horizontal
5	8663.0000	36.05	-41.56	37.85	-62.91	-13.00	49.91	199	240	Horizontal
6	10395.6000	32.72	-39.01	38.86	-62.69	-13.00	49.69	177	240	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3465.2000	42.24	-46.27	29.49	-69.80	-13.00	56.80	211	4	Vertical
2	4385.25	42.22	-45.78	31.48	-67.34	-13.00	54.34	145	357	Vertical
3	5197.8000	40.59	-45.28	32.99	-66.96	-13.00	53.96	169	357	Vertical
4	6930.4000	39.07	-43.93	36.00	-64.12	-13.00	51.12	192	224	Vertical
5	8663.0000	37.10	-41.56	37.85	-61.86	-13.00	48.86	174	103	Vertical
6	10395.6000	32.53	-39.01	38.86	-62.88	-13.00	49.88	185	224	Vertical



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Test Band = WCDMA Band IV\_ 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	3505.2000	41.81	-46.25	29.52	-70.18	-13.00	57.18	214	192	Horizontal
2	4270.5	42.58	-45.61	31.24	-67.04	-13.00	54.04	122	360	Horizontal
3	5257.8000	39.72	-45.17	32.93	-67.77	-13.00	54.77	136	73	Horizontal
4	7010.4000	39.14	-43.62	36.11	-63.63	-13.00	50.63	215	343	Horizontal
5	8763.0000	35.87	-41.41	38.02	-62.78	-13.00	49.78	185	118	Horizontal
6	10515.6000	32.54	-38.75	38.98	-62.49	-13.00	49.49	174	192	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3505.2000	41.59	-46.25	29.52	-70.40	-13.00	57.40	215	74	Vertical
2	4291.5	42.23	-45.56	31.29	-67.30	-13.00	54.30	136	342	Vertical
3	5257.8000	40.49	-45.17	32.93	-67.00	-13.00	54.00	211	43	Vertical
4	7010.4000	39.32	-43.62	36.11	-63.45	-13.00	50.45	148	148	Vertical
5	8763.0000	36.24	-41.41	38.02	-62.41	-13.00	49.41	175	43	Vertical
6	10515.6000	32.03	-38.75	38.98	-63.00	-13.00	50.00	196	329	Vertical



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Test Band = WCDMA Band V\_ TM1
Test Channel = Low ANT0

Data List table with 11 columns: NO., Frequency [MHz], Reading [dBμV], Factor [dB], AF[dB/m], Level [dBm], Limit [dBm], Margin [dB], Height [cm], Angle [°], Polarity. Contains 6 rows of data.

Data List table with 11 columns: NO., Frequency [MHz], Reading [dBμV], Factor [dB], AF[dB/m], Level [dBm], Limit [dBm], Margin [dB], Height [cm], Angle [°], Polarity. Contains 6 rows of data.



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Test Band = WCDMA Band V\_ TM1
Test Channel = Mid ANT0

Data List table with 11 columns: NO., Frequency [MHz], Reading [dBμV], Factor [dB], AF[dB/m], Level [dBm], Limit [dBm], Margin [dB], Height [cm], Angle [°], Polarity. Contains 6 rows of test data.

Data List table with 11 columns: NO., Frequency [MHz], Reading [dBμV], Factor [dB], AF[dB/m], Level [dBm], Limit [dBm], Margin [dB], Height [cm], Angle [°], Polarity. Contains 6 rows of test data.



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Test Band = WCDMA Band V\_ 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	1693.2000	43.80	-48.17	25.39	-74.24	-13.00	61.24	211	31	Horizontal
2	2539.8000	42.44	-47.13	27.90	-72.05	-13.00	59.05	136	5	Horizontal
3	3386.4000	42.39	-46.56	29.45	-69.98	-13.00	56.98	256	336	Horizontal
4	4233.0000	41.11	-45.90	31.17	-68.88	-13.00	55.88	142	349	Horizontal
5	5079.6000	40.75	-45.47	32.92	-67.05	-13.00	54.05	188	205	Horizontal
6	6723.4286	41.11	-44.07	35.69	-62.54	-13.00	49.54	196	2	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1693.2000	43.55	-48.17	25.39	-74.49	-13.00	61.49	213	360	Vertical
2	1930.2857	44.21	-48.00	26.22	-72.84	-13.00	59.84	215	4	Vertical
3	2539.8000	42.95	-47.13	27.90	-71.54	-13.00	58.54	147	78	Vertical
4	3386.4000	42.30	-46.56	29.45	-70.07	-13.00	57.07	185	263	Vertical
5	4233.0000	41.50	-45.90	31.17	-68.49	-13.00	55.49	196	172	Vertical
6	5079.6000	40.34	-45.47	32.92	-67.46	-13.00	54.46	155	358	Vertical



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Test Band = WCDMA Band II\_ 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	3704.8000	41.51	-45.52	29.99	-69.28	-13.00	56.28	145	179	Horizontal
2	4560.75	42.99	-45.69	31.67	-66.28	-13.00	53.28	126	210	Horizontal
3	5557.2000	40.17	-45.14	32.97	-67.26	-13.00	54.26	135	357	Horizontal
4	7409.6000	40.48	-43.38	36.49	-61.68	-13.00	48.68	188	330	Horizontal
5	9262.0000	37.01	-40.23	38.39	-60.09	-13.00	47.09	196	150	Horizontal
6	11114.4000	34.75	-37.88	39.09	-59.30	-13.00	46.30	188	210	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3704.8000	41.10	-45.52	29.99	-69.69	-13.00	56.69	284	61	Vertical
2	4840.5	42.26	-45.54	32.43	-66.10	-13.00	53.10	174	4	Vertical
3	5557.2000	40.85	-45.14	32.97	-66.58	-13.00	53.58	156	210	Vertical
4	7409.6000	40.88	-43.38	36.49	-61.28	-13.00	48.28	192	61	Vertical
5	9262.0000	37.53	-40.23	38.39	-59.57	-13.00	46.57	142	179	Vertical
6	11114.4000	34.22	-37.88	39.09	-59.83	-13.00	46.83	156	360	Vertical



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Test Band = WCDMA Band II\_ 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	3760.0000	42.20	-45.75	30.19	-68.63	-13.00	55.63	254	253	Horizontal
2	4921.5	42.94	-45.55	32.66	-65.21	-13.00	52.21	155	44	Horizontal
3	5640.0000	39.99	-44.98	33.17	-67.09	-13.00	54.09	136	134	Horizontal
4	7520.0000	39.96	-43.10	36.43	-61.97	-13.00	48.97	259	44	Horizontal
5	9400.0000	37.48	-39.83	38.49	-59.12	-13.00	46.12	191	88	Horizontal
6	11280.0000	34.17	-37.41	39.11	-59.39	-13.00	46.39	148	360	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3760.0000	41.43	-45.75	30.19	-69.40	-13.00	56.40	255	59	Vertical
2	4611.75	43.70	-45.66	31.75	-65.48	-13.00	52.48	147	16	Vertical
3	5640.0000	40.64	-44.98	33.17	-66.44	-13.00	53.44	184	358	Vertical
4	7520.0000	38.96	-43.10	36.43	-62.97	-13.00	49.97	186	344	Vertical
5	9400.0000	36.97	-39.83	38.49	-59.63	-13.00	46.63	153	344	Vertical
6	11280.0000	35.40	-37.41	39.11	-58.16	-13.00	45.16	162	225	Vertical



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Test Band = WCDMA Band II\_ TM1
Test Channel = High ANT4

Table with 11 columns: NO., Frequency [MHz], Reading [dBμV], Factor [dB], AF[dB/m], Level [dBm], Limit [dBm], Margin [dB], Height [cm], Angle [°], Polarity. Contains 6 rows of test data.

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Test Band = WCDMA Band IV\_ TM1
Test Channel = Low ANT4

Data List table with 11 columns: NO., Frequency [MHz], Reading [dBμV], Factor [dB], AF[dB/m], Level [dBm], Limit [dBm], Margin [dB], Height [cm], Angle [°], Polarity. Contains 6 rows of test data.

Data List table with 11 columns: NO., Frequency [MHz], Reading [dBμV], Factor [dB], AF[dB/m], Level [dBm], Limit [dBm], Margin [dB], Height [cm], Angle [°], Polarity. Contains 6 rows of test data.



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Test Band = WCDMA Band IV\_ 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	3465.2000	42.38	-46.27	29.49	-69.66	-13.00	56.66	211	30	Horizontal
2	4432.5	42.79	-45.78	31.54	-66.71	-13.00	53.71	145	87	Horizontal
3	5197.8000	40.83	-45.28	32.99	-66.72	-13.00	53.72	184	226	Horizontal
4	6930.4000	39.48	-43.93	36.00	-63.71	-13.00	50.71	126	209	Horizontal
5	8663.0000	37.63	-41.56	37.85	-61.33	-13.00	48.33	165	104	Horizontal
6	10395.6000	34.22	-39.01	38.86	-61.19	-13.00	48.19	152	133	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3465.2000	42.71	-46.27	29.49	-69.33	-13.00	56.33	211	149	Vertical
2	4431.75	43.12	-45.79	31.54	-66.38	-13.00	53.38	136	299	Vertical
3	5197.8000	41.04	-45.28	32.99	-66.51	-13.00	53.51	251	343	Vertical
4	6930.4000	39.56	-43.93	36.00	-63.63	-13.00	50.63	148	118	Vertical
5	8663.0000	38.19	-41.56	37.85	-60.77	-13.00	47.77	175	359	Vertical
6	10395.6000	34.30	-39.01	38.86	-61.11	-13.00	48.11	126	135	Vertical



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Test Band = WCDMA Band IV\_ TM1
Test Channel = High ANT4

Data List table with 11 columns: NO., Frequency [MHz], Reading [dBμV], Factor [dB], AF[dB/m], Level [dBm], Limit [dBm], Margin [dB], Height [cm], Angle [°], Polarity. Contains 6 rows of test data.

Data List table with 11 columns: NO., Frequency [MHz], Reading [dBμV], Factor [dB], AF[dB/m], Level [dBm], Limit [dBm], Margin [dB], Height [cm], Angle [°], Polarity. Contains 6 rows of test data.



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Test Band = WCDMA Band V\_ TM1
Test Channel = Low ANT4

Data List table with 11 columns: NO., Frequency [MHz], Reading [dBμV], Factor [dB], AF[dB/m], Level [dBm], Limit [dBm], Margin [dB], Height [cm], Angle [°], Polarity. Contains 6 rows of data.

Data List table with 11 columns: NO., Frequency [MHz], Reading [dBμV], Factor [dB], AF[dB/m], Level [dBm], Limit [dBm], Margin [dB], Height [cm], Angle [°], Polarity. Contains 6 rows of data.



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**Test Band = WCDMA Band V\_ 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	1672.8000	43.61	-48.19	25.38	-74.46	-13.00	61.46	211	357	Horizontal
2	2509.2000	43.86	-47.24	27.80	-70.83	-13.00	57.83	147	320	Horizontal
3	3345.6000	42.86	-46.62	29.50	-69.52	-13.00	56.52	184	201	Horizontal
4	4182.0000	41.81	-45.95	31.07	-68.33	-13.00	55.33	185	294	Horizontal
5	5018.4000	40.78	-45.73	32.89	-67.32	-13.00	54.32	196	307	Horizontal
6	5858.8571	41.67	-44.84	33.86	-64.57	-13.00	51.57	132	68	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1672.8000	43.59	-48.19	25.38	-74.48	-13.00	61.48	211	351	Vertical
2	2509.2000	43.73	-47.24	27.80	-70.96	-13.00	57.96	142	40	Vertical
3	3345.6000	42.83	-46.62	29.50	-69.55	-13.00	56.55	126	351	Vertical
4	4182.0000	40.95	-45.95	31.07	-69.19	-13.00	56.19	188	351	Vertical
5	5018.4000	41.51	-45.73	32.89	-66.59	-13.00	53.59	135	120	Vertical
6	7236.5714	40.90	-43.72	36.58	-61.50	-13.00	48.50	196	80	Vertical



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Test Band = WCDMA Band V\_ TM1
Test Channel = High ANT4

Table with 11 columns: NO., Frequency [MHz], Reading [dBμV], Factor [dB], AF[dB/m], Level [dBm], Limit [dBm], Margin [dB], Height [cm], Angle [°], Polarity. Contains 6 rows of data.

Table with 11 columns: NO., Frequency [MHz], Reading [dBμV], Factor [dB], AF[dB/m], Level [dBm], Limit [dBm], Margin [dB], Height [cm], Angle [°], Polarity. Contains 6 rows of data.

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	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band2	9400	VL	NT	-4.68	-0.002489	PASS
Band2	9400	VN	NT	-8.84	-0.004702	PASS
Band2	9400	VH	NT	-6.86	-0.003649	PASS
Band4	1413	VL	NT	-12.83	-0.007405	PASS
Band4	1413	VN	NT	-10.86	-0.006268	PASS
Band4	1413	VH	NT	-14.81	-0.008548	PASS

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	4182	VL	NT	-2.85	-0.003407	±2.5	PASS
Band5	4182	VN	NT	-7.92	-0.009469	±2.5	PASS
Band5	4182	VH	NT	-4.56	-0.005452	±2.5	PASS



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Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band2	9400	NV	-30	-6.57	-0.003495	PASS
Band2	9400	NV	-20	-10.37	-0.005516	PASS
Band2	9400	NV	0	-8.49	-0.004516	PASS
Band2	9400	NV	10	-13.76	-0.007319	PASS
Band2	9400	NV	20	-13.70	-0.007287	PASS
Band2	9400	NV	30	-11.06	-0.005883	PASS
Band2	9400	NV	40	-11.96	-0.006362	PASS
Band2	9400	NV	50	-13.96	-0.007426	PASS
Band4	1413	NV	-30	-11.10	-0.006407	PASS
Band4	1413	NV	-20	-11.81	-0.006816	PASS
Band4	1413	NV	0	-12.31	-0.007105	PASS
Band4	1413	NV	10	-14.40	-0.008311	PASS
Band4	1413	NV	20	-8.89	-0.005131	PASS
Band4	1413	NV	30	-9.17	-0.005293	PASS
Band4	1413	NV	40	-7.46	-0.004306	PASS
Band4	1413	NV	50	-6.82	-0.003936	PASS

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	4182	NV	-30	-10.18	-0.012171	±2.5	PASS
Band5	4182	NV	-20	-8.03	-0.009601	±2.5	PASS
Band5	4182	NV	0	-6.63	-0.007927	±2.5	PASS
Band5	4182	NV	10	-5.79	-0.006923	±2.5	PASS
Band5	4182	NV	20	-5.67	-0.006779	±2.5	PASS
Band5	4182	NV	30	-3.41	-0.004077	±2.5	PASS
Band5	4182	NV	40	-3.38	-0.004041	±2.5	PASS
Band5	4182	NV	50	-2.84	-0.003396	±2.5	PASS

---End of Attachment---



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