



Report No.: HEWM2202000026RG01
Rev.: 01
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Appendix



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Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Channel	Power(dBm)	EIRP (dBm)	Limit(dBm)	Verdict
Band2	9262	23.26	20.56	33	PASS
Band2	9400	23.13	20.43	33	PASS
Band2	9538	23.88	21.18	33	PASS
Band5	4132	24.64	17.64	38.5	PASS
Band5	4182	24.91	17.91	38.5	PASS
Band5	4233	24.92	17.92	38.5	PASS



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Peak-to-Average Ratio

Test Result

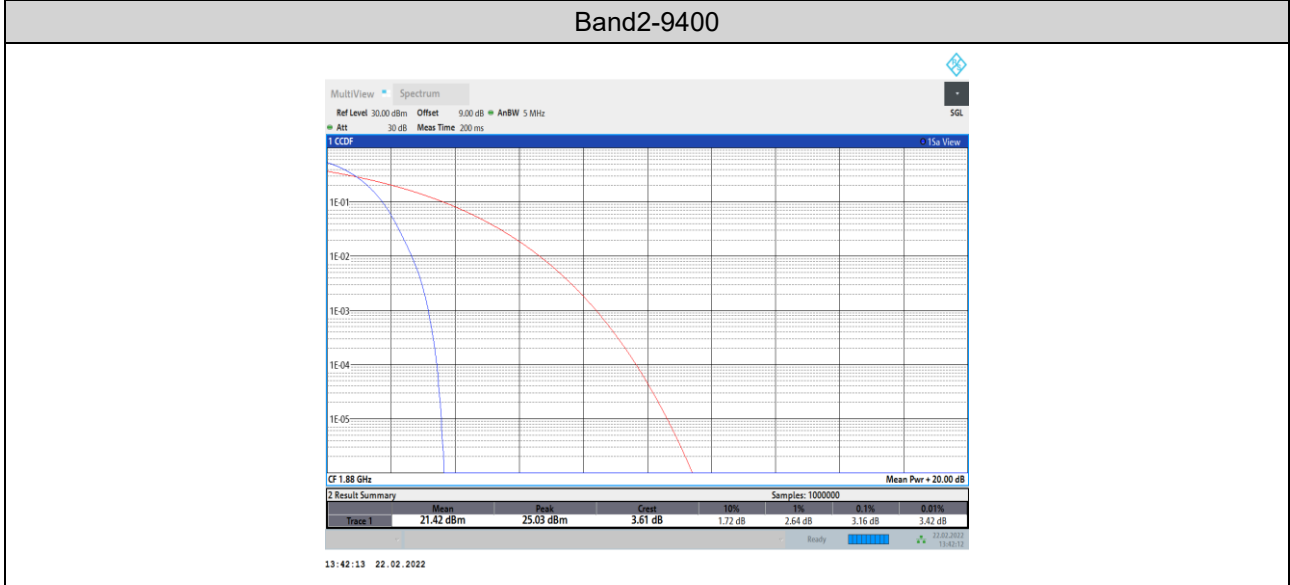
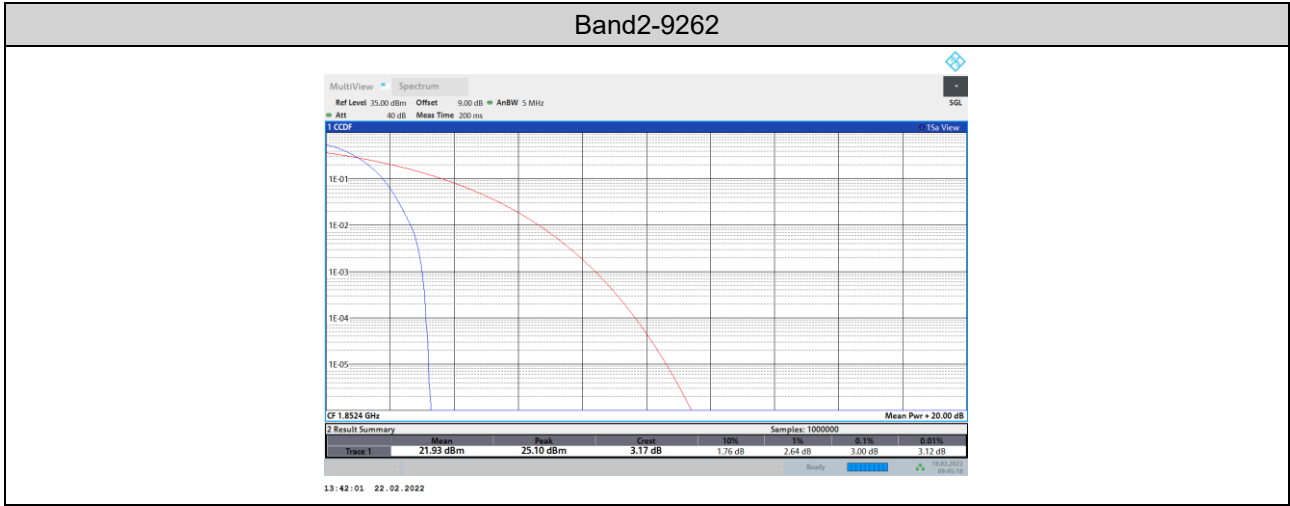
Band	Channel	Peak-to-Average Ratio(dB)	Limit(dBm)	Verdict
Band2	9262	3.00	13	PASS
Band2	9400	3.16	13	PASS
Band2	9538	3.16	13	PASS
Band5	4132	3.06	13	PASS
Band5	4182	2.64	13	PASS
Band5	4233	3.02	13	PASS



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Test Graphs

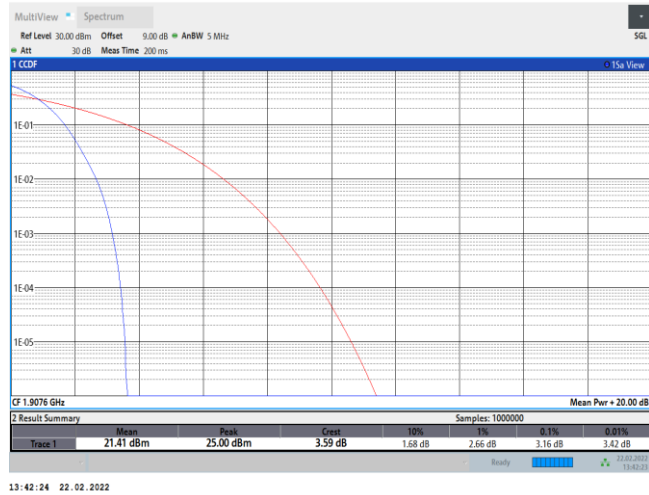


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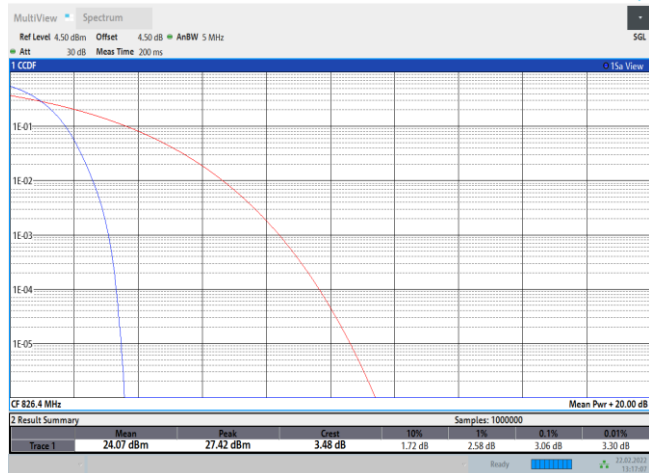
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Band2-9538



13:42:24 22.02.2022

Band5-4132



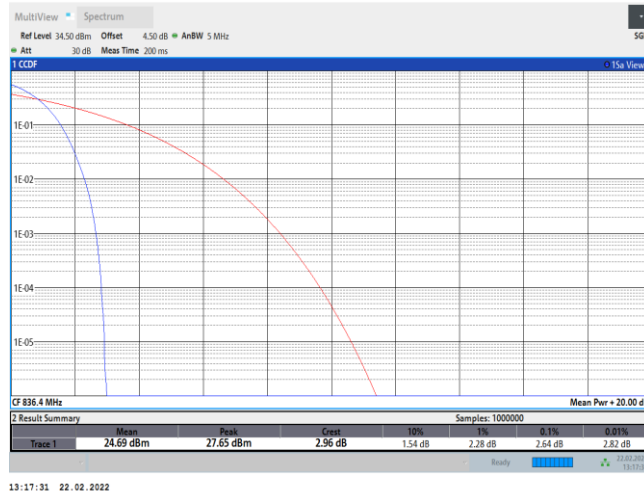
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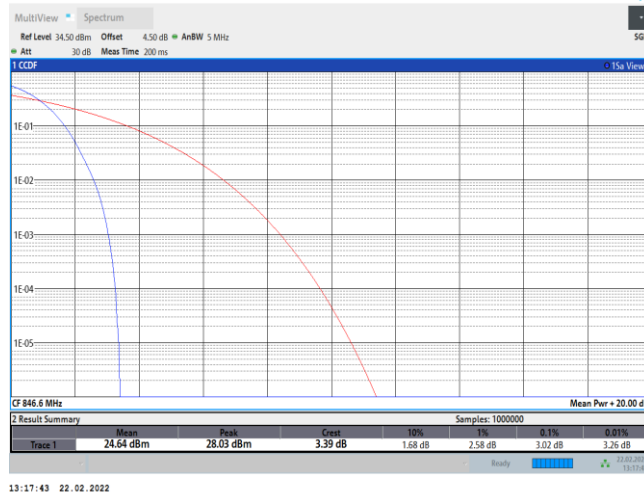
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Band5-4182



Band5-4233



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Modulation Characteristics

Test Result

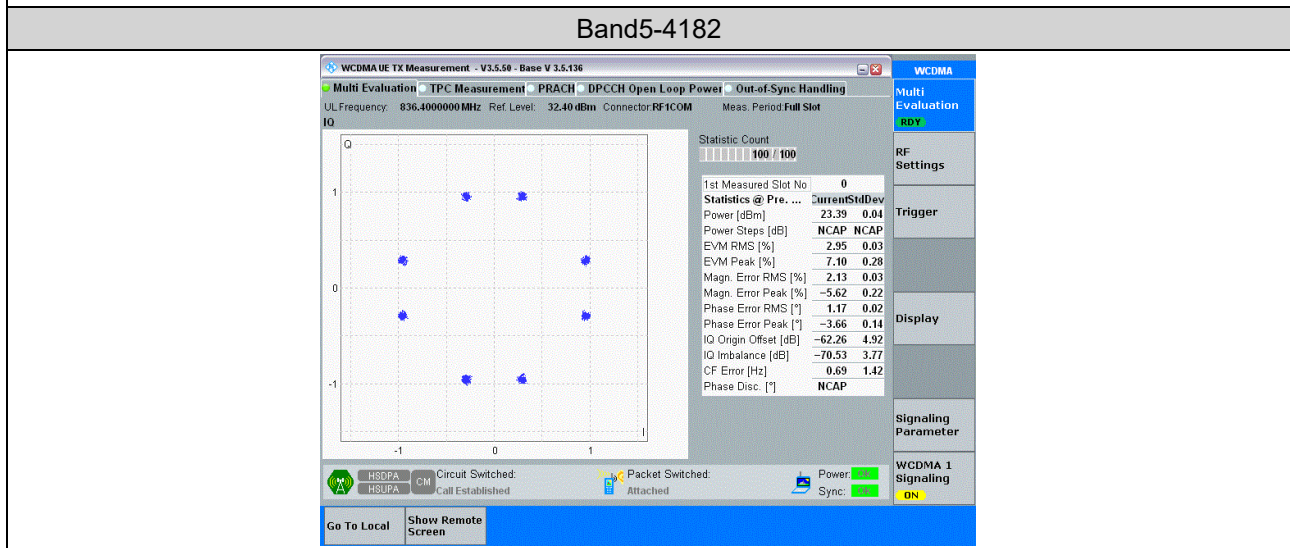
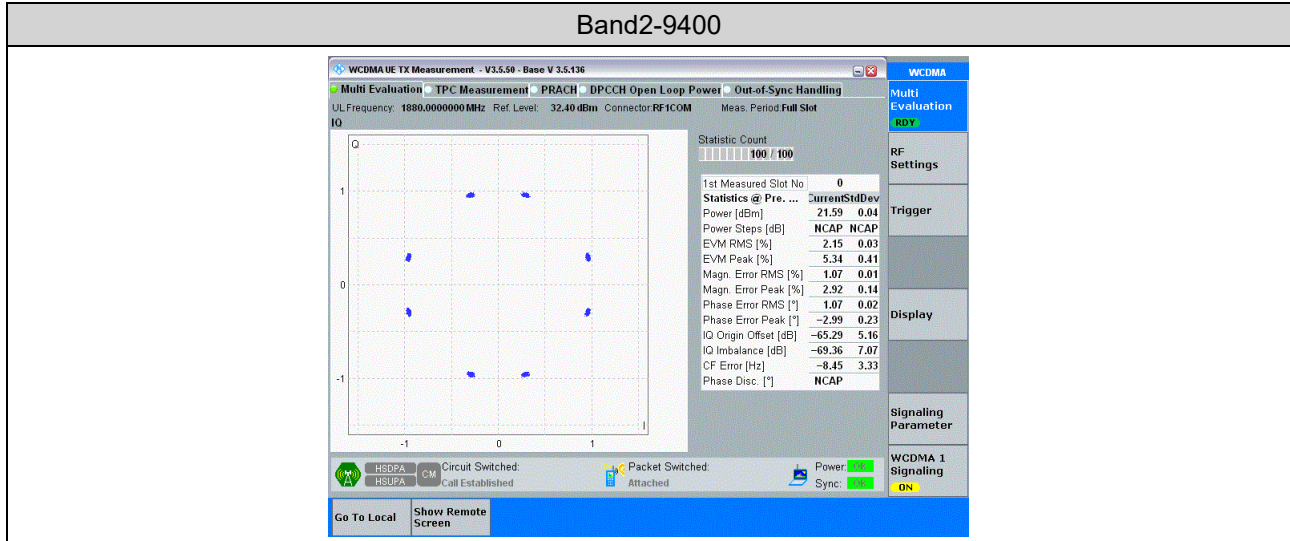
Band	Channel	Result	Verdict
Band2	9400	PASS	PASS
Band5	4182	PASS	PASS



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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	4.133	4.72	---	PASS
Band2	9400	4.133	4.71	---	PASS
Band2	9538	4.112	4.71	---	PASS
Band5	4132	4.113	4.71	---	PASS
Band5	4182	4.113	4.75	---	PASS
Band5	4233	4.108	4.73	---	PASS



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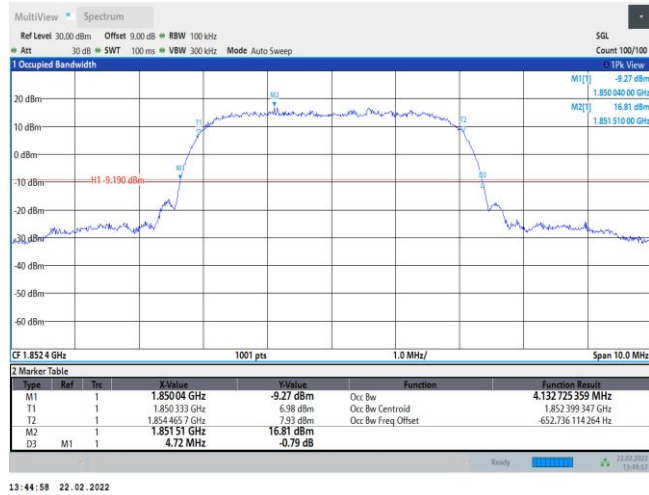
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Test Graphs

Band2-9262-4.72



Band2-9400-4.71

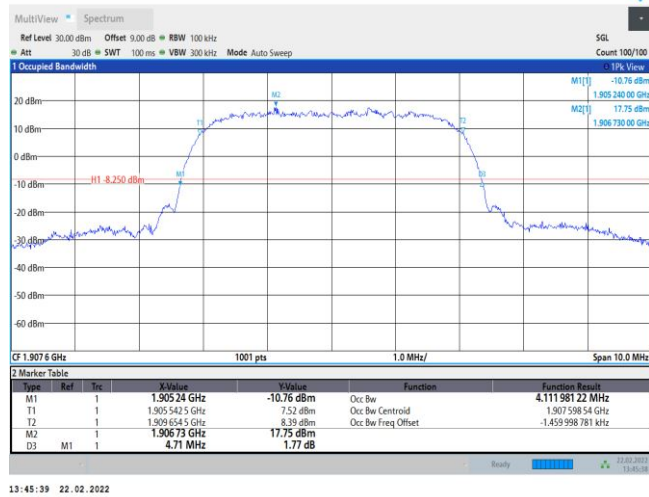


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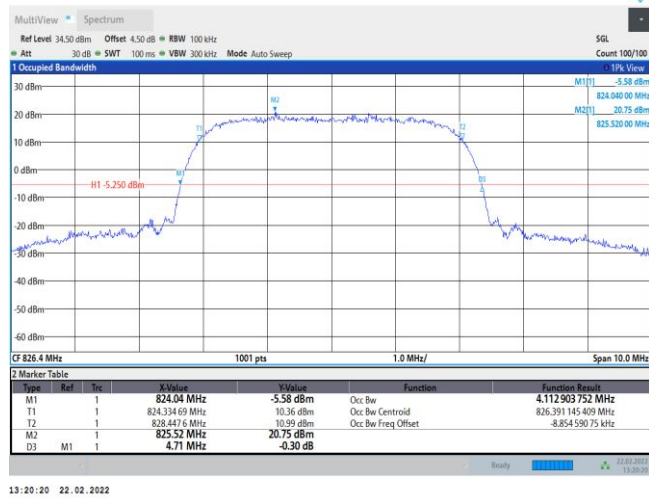
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Band2-9538-4.71



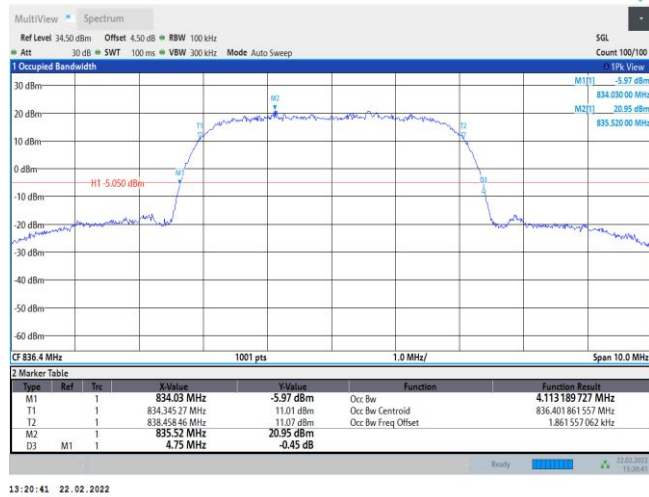
Band5-4132-4.71



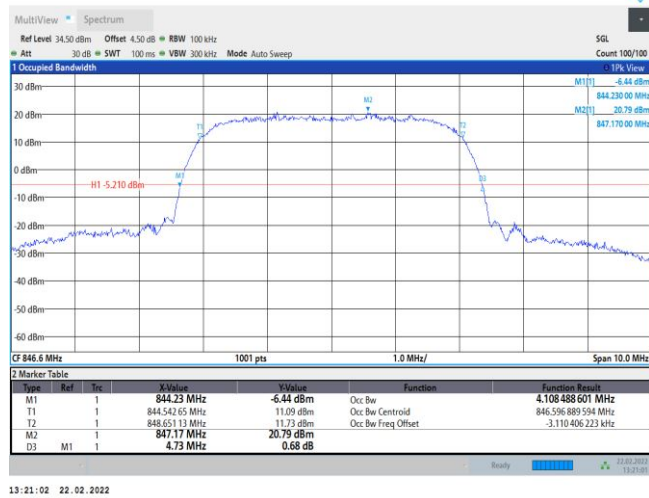
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Band5-4182-4.75



Band5-4233-4.73



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Band Edge

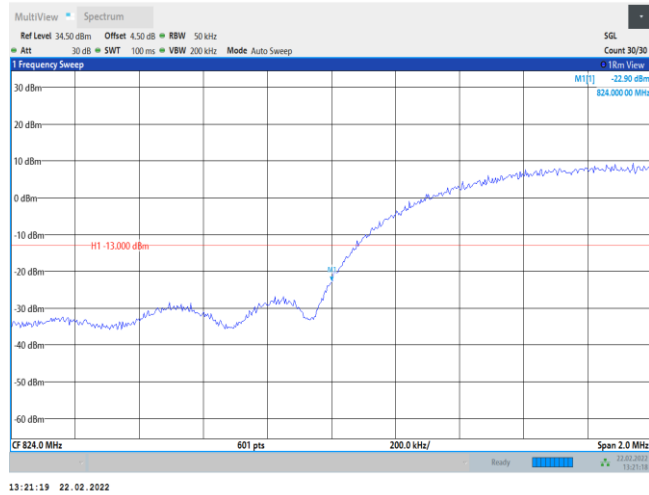
Test Graphs



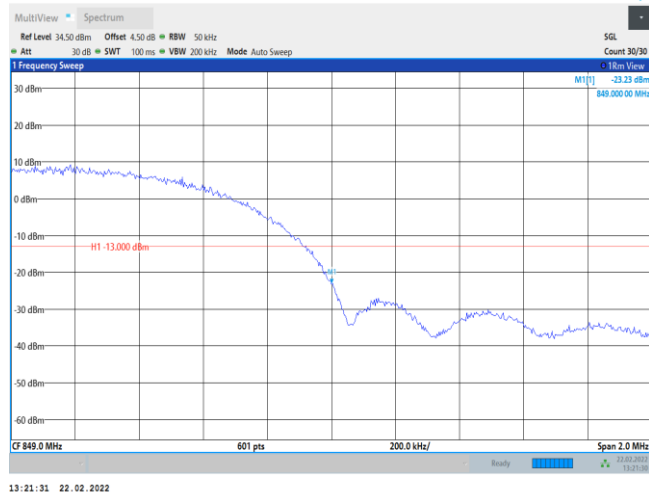
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Band5-4132



Band5-4233



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Conducted Spurious Emission

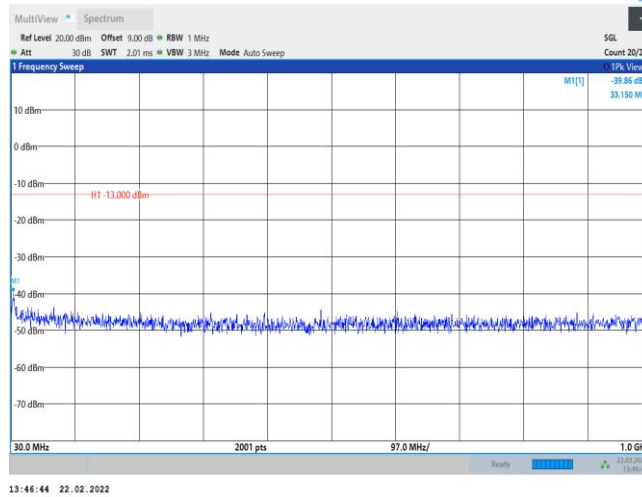
Test Graphs



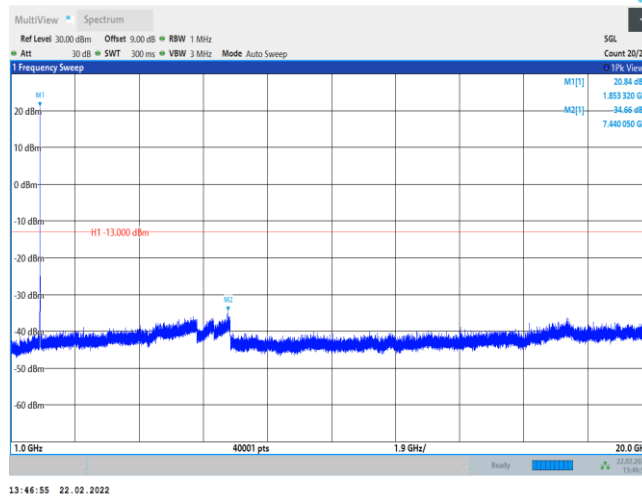
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Band2-9262-30~1000MHz



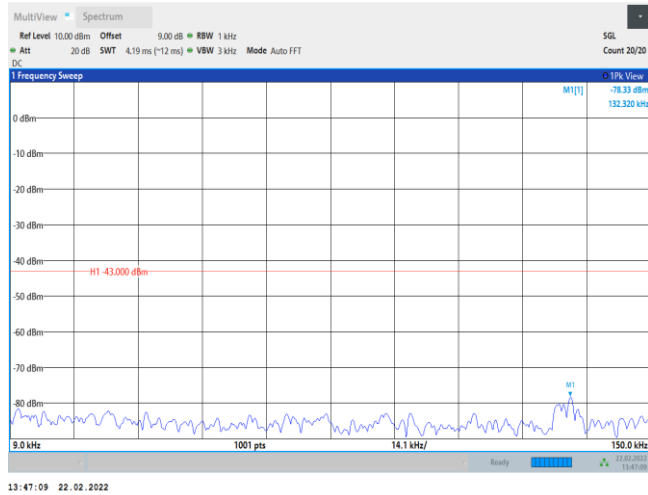
Band2-9262-1000~20000MHz



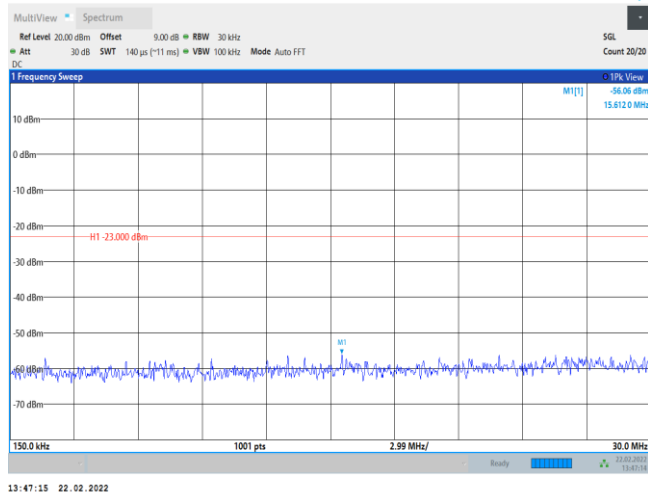
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Band2-9400-0.009~0.15MHz



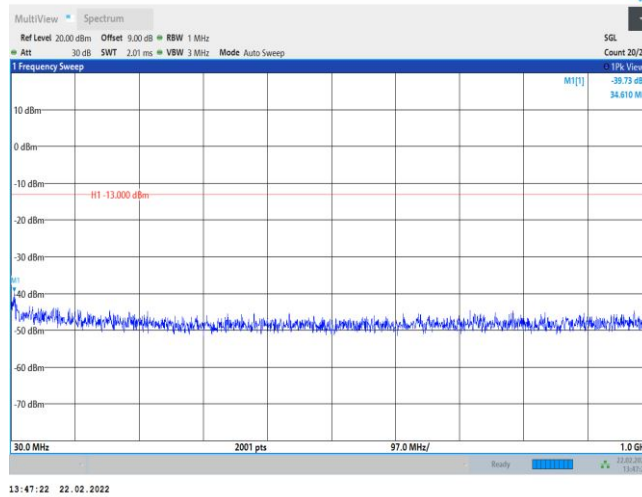
Band2-9400-0.15~30MHz



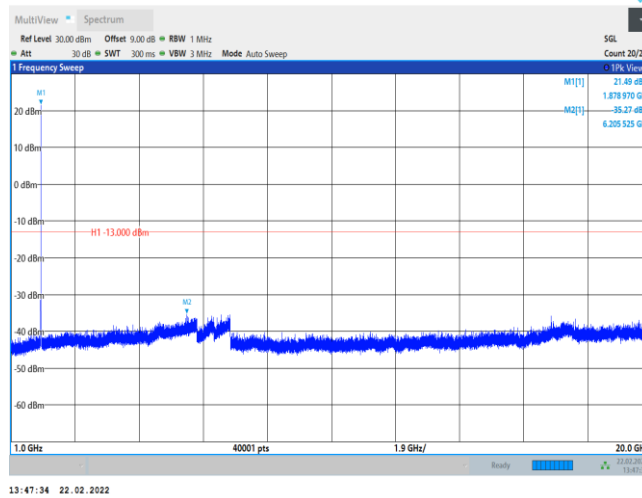
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Band2-9400-30~1000MHz

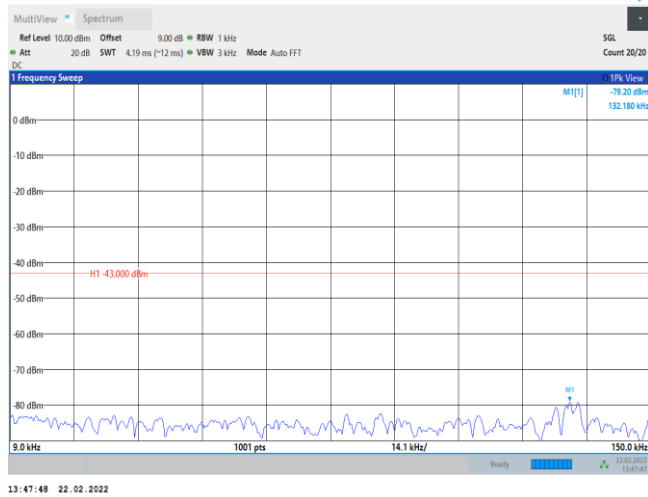


Band2-9400-1000~20000MHz

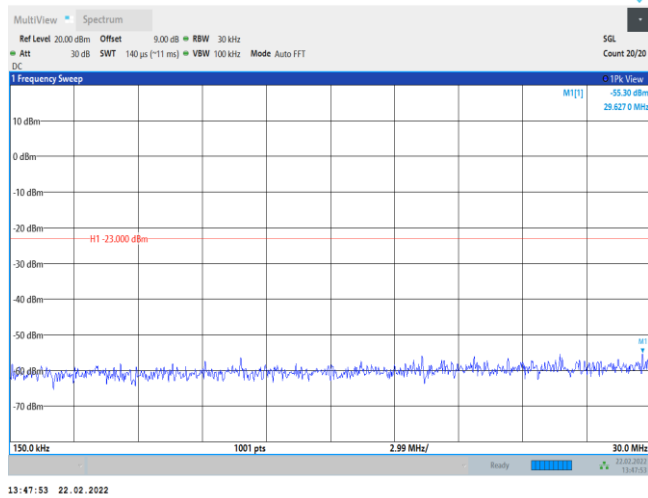


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Band2-9538-0.009~0.15MHz



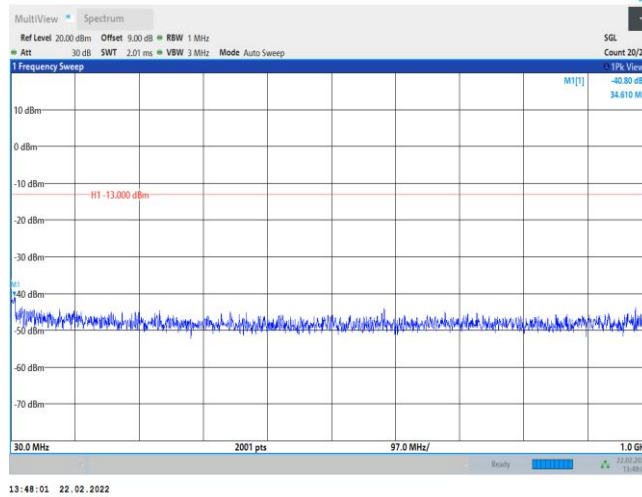
Band2-9538-0.15~30MHz



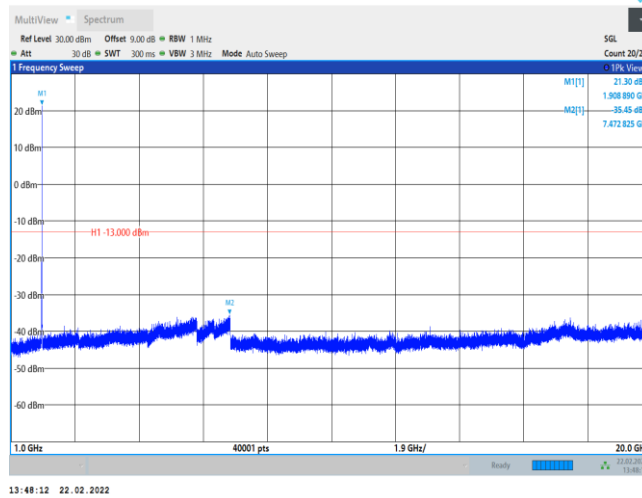
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Band2-9538-30~1000MHz

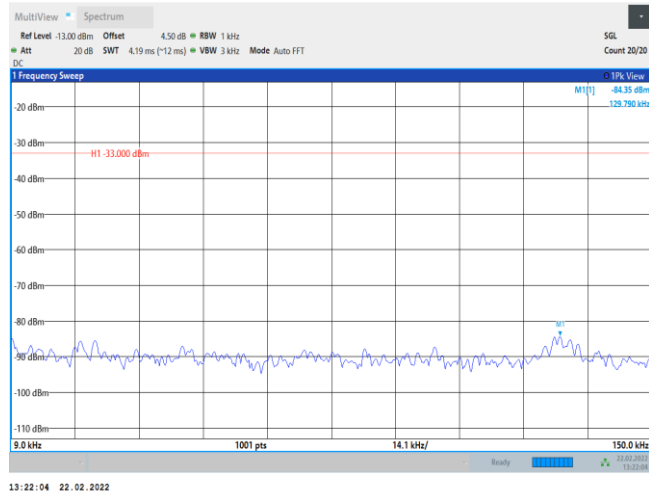


Band2-9538-1000~20000MHz

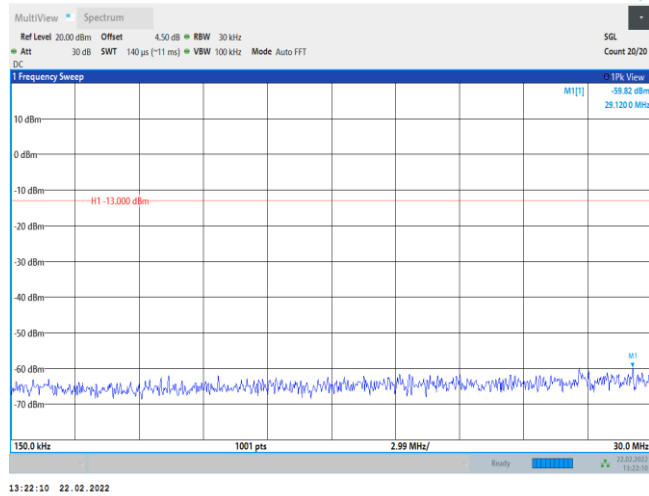


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Band5-4132-0.009~0.15MHz



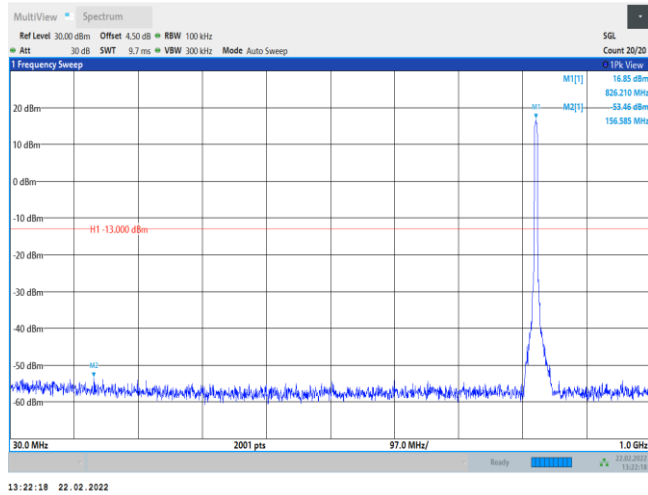
Band5-4132-0.15~30MHz



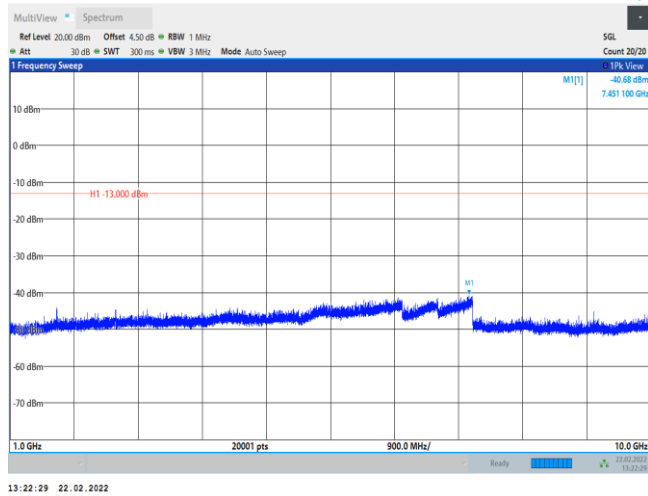
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Band5-4132-30~1000MHz

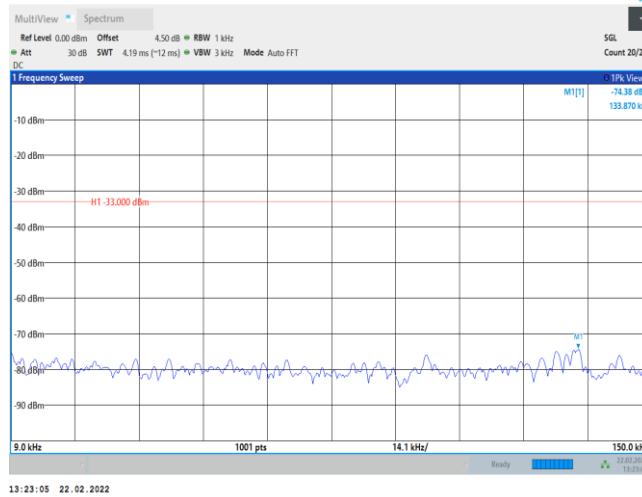


Band5-4132-1000~10000MHz

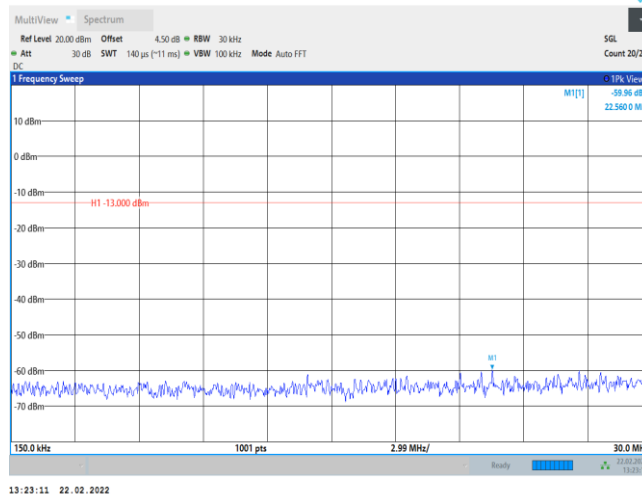


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Band5-4182-0.009~0.15MHz



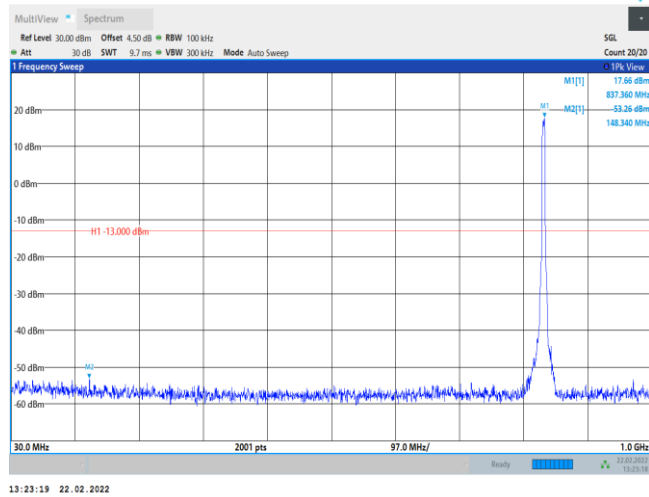
Band5-4182-0.15~30MHz



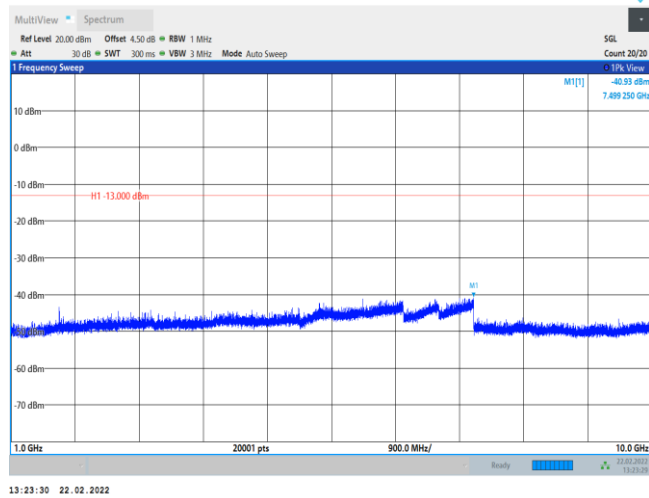
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Band5-4182-30~1000MHz



Band5-4182-1000~10000MHz



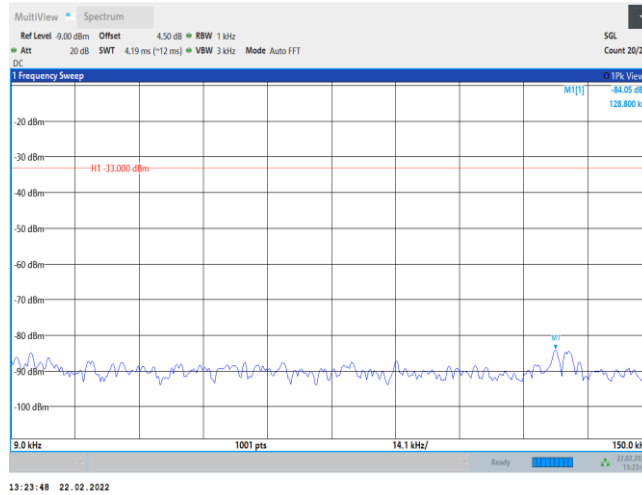
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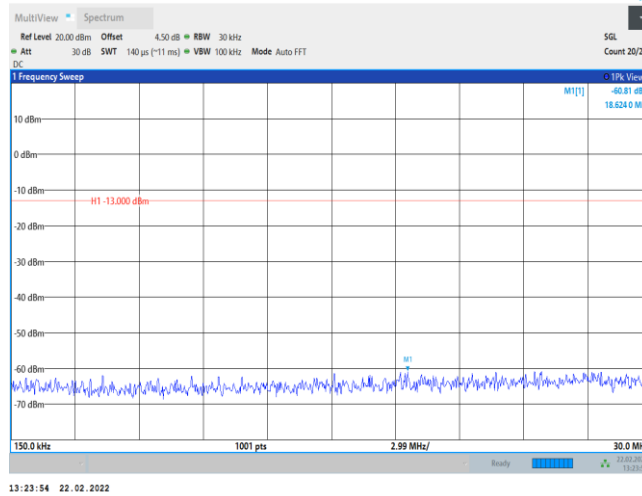
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Band5-4233-0.009~0.15MHz



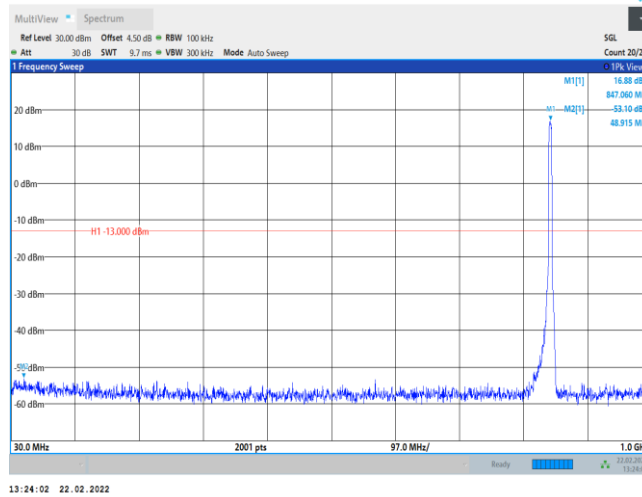
Band5-4233-0.15~30MHz



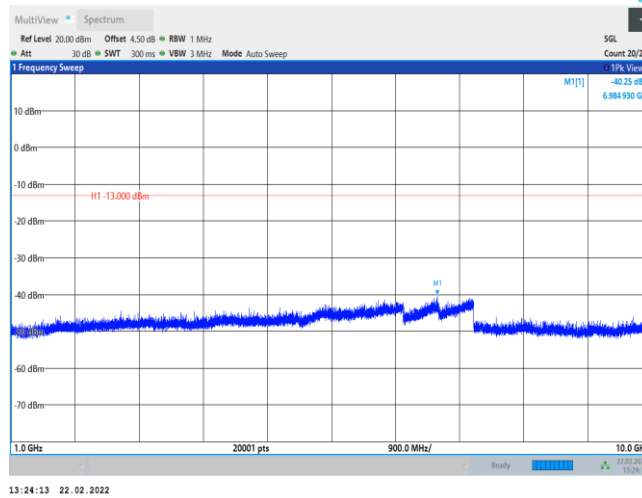
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Band5-4233-30~1000MHz



Band5-4233-1000~10000MHz



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Field Strength of Spurious Radiation

Test Band = _WCDMA B2_ANT3 TM1

Test Channel = Low

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3706.5	56.19	-110.79	-54.60	-13.00	41.60	145	260	Horizontal
2	5557.2000	48.69	-107.43	-58.74	-13.00	45.74	236	7	Horizontal
3	7409.6000	47.82	-102.16	-54.34	-13.00	41.34	258	15	Horizontal
4	9262.0000	44.94	-97.10	-52.16	-13.00	39.16	147	233	Horizontal
5	11114.4000	40.72	-94.05	-53.33	-13.00	40.33	296	245	Horizontal
6	14301.75	42.04	-91.24	-49.20	-13.00	36.20	238	2	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3704.8000	49.47	-110.79	-61.32	-13.00	48.32	189	158	Vertical
2	5557.2000	48.05	-107.43	-59.38	-13.00	46.38	266	201	Vertical
3	7409.6000	47.54	-102.16	-54.62	-13.00	41.62	148	215	Vertical
4	9262.0000	43.40	-97.10	-53.70	-13.00	40.70	175	289	Vertical
5	11114.4000	40.94	-94.05	-53.11	-13.00	40.11	144	101	Vertical
6	14434.5	41.39	-90.02	-48.63	-13.00	35.63	288	346	Vertical



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Test Band = _WCDMA B2_ANT3 TM1
 Test Channel = Mid

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3762	56.19	-110.83	-54.64	-13.00	41.64	158	261	Horizontal
2	5640.0000	47.43	-107.08	-59.65	-13.00	46.65	142	357	Horizontal
3	7520.0000	46.87	-101.93	-55.06	-13.00	42.06	123	232	Horizontal
4	9400.0000	43.38	-96.60	-53.22	-13.00	40.22	266	0	Horizontal
5	11280.0000	40.05	-93.56	-53.51	-13.00	40.51	294	189	Horizontal
6	14375.25	41.74	-90.30	-48.56	-13.00	35.56	140	158	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3760.0000	50.74	-110.83	-60.09	-13.00	47.09	196	72	Vertical
2	5640.0000	47.52	-107.08	-59.56	-13.00	46.56	234	0	Vertical
3	7520.0000	46.28	-101.93	-55.65	-13.00	42.65	185	318	Vertical
4	9400.0000	43.64	-96.60	-52.96	-13.00	39.96	299	346	Vertical
5	11280.0000	40.66	-93.56	-52.90	-13.00	39.90	170	357	Vertical
6	13693.5	42.79	-91.35	-48.56	-13.00	35.56	186	318	Vertical



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Test Band = _WCDMA B2_ANT3 TM1
 Test Channel = High

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3815.2000	54.44	-110.87	-56.43	-13.00	43.43	196	258	Horizontal
2	5722.8000	49.19	-106.62	-57.43	-13.00	44.43	234	26	Horizontal
3	7630.0000	48.26	-101.80	-53.54	-13.00	40.54	184	258	Horizontal
4	9538.0000	43.66	-96.82	-53.16	-13.00	40.16	175	228	Horizontal
5	11445.6000	40.34	-93.54	-53.20	-13.00	40.20	221	144	Horizontal
6	14495.25	40.74	-90.08	-49.34	-13.00	36.34	166	331	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3816.75	55.89	-110.87	-54.98	-13.00	41.98	169	274	Vertical
2	5722.8000	49.17	-106.62	-57.45	-13.00	44.45	184	45	Vertical
3	7630.0000	46.38	-101.80	-55.42	-13.00	42.42	196	171	Vertical
4	9538.0000	42.91	-96.82	-53.91	-13.00	40.91	244	356	Vertical
5	11445.6000	40.41	-93.54	-53.13	-13.00	40.13	230	303	Vertical
6	14558.25	40.66	-90.39	-49.73	-13.00	36.73	156	157	Vertical



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Test Band = _WCDMA B5_ANT0 TM1
 Test Channel = Low

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1654.2857	60.12	-118.10	-57.98	-13.00	44.98	163	13	Horizontal
2	2481.7143	58.27	-114.85	-56.58	-13.00	43.58	148	170	Horizontal
3	3305.6000	51.70	-112.38	-60.68	-13.00	47.68	194	312	Horizontal
4	4132.0000	49.68	-110.18	-60.50	-13.00	47.50	172	248	Horizontal
5	4958.4000	49.21	-108.21	-59.00	-13.00	46.00	231	337	Horizontal
6	7472	49.76	-102.19	-52.43	-13.00	39.43	255	359	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1652.8000	51.53	-118.10	-66.57	-13.00	53.57	266	322	Vertical
2	2481.7143	60.62	-114.85	-54.23	-13.00	41.23	194	65	Vertical
3	3305.6000	50.70	-112.38	-61.68	-13.00	48.68	175	50	Vertical
4	4132.0000	49.37	-110.18	-60.81	-13.00	47.81	231	15	Vertical
5	4958.4000	49.90	-108.21	-58.31	-13.00	45.31	255	90	Vertical
6	7372	50.12	-102.07	-51.95	-13.00	38.95	188	1	Vertical



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Test Band = _WCDMA B5_ANT0 TM1
 Test Channel = Mid

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1671.4286	64.97	-118.08	-53.11	-13.00	40.11	236	311	Horizontal
2	2511.4286	59.72	-114.68	-54.96	-13.00	41.96	294	65	Horizontal
3	3345.6000	50.39	-112.38	-61.99	-13.00	48.99	284	282	Horizontal
4	4182.0000	49.19	-110.14	-60.95	-13.00	47.95	215	14	Horizontal
5	5018.4000	48.56	-108.10	-59.54	-13.00	46.54	207	308	Horizontal
6	6722.8571	50.29	-103.65	-53.36	-13.00	40.36	157	359	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1670.2857	58.18	-118.08	-59.90	-13.00	46.90	126	189	Vertical
2	2512	60.86	-114.68	-53.82	-13.00	40.82	194	1	Vertical
3	3345.6000	50.17	-112.38	-62.21	-13.00	49.21	172	245	Vertical
4	4182.0000	48.99	-110.14	-61.15	-13.00	48.15	235	89	Vertical
5	5018.4000	48.02	-108.10	-60.08	-13.00	47.08	122	231	Vertical
6	5889.1429	51.39	-106.28	-54.89	-13.00	41.89	151	210	Vertical



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Test Band = _WCDMA B5_ANT0 TM1
 Test Channel = High

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1692	67.92	-118.04	-50.12	-13.00	37.12	199	358	Horizontal
2	2537.1429	57.67	-114.51	-56.84	-13.00	43.84	241	40	Horizontal
3	3386.4000	50.62	-112.37	-61.75	-13.00	48.75	235	326	Horizontal
4	4233.0000	49.81	-109.99	-60.18	-13.00	47.18	187	144	Horizontal
5	5079.6000	48.75	-107.80	-59.05	-13.00	46.05	144	300	Horizontal
6	7400	50.02	-102.03	-52.01	-13.00	39.01	231	236	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1692	59.17	-118.04	-58.87	-13.00	45.87	148	34	Vertical
2	2537.7143	56.61	-114.51	-57.90	-13.00	44.90	195	1	Vertical
3	3386.4000	51.66	-112.37	-60.71	-13.00	47.71	234	320	Vertical
4	4233.0000	49.43	-109.99	-60.56	-13.00	47.56	172	22	Vertical
5	5079.6000	48.38	-107.80	-59.42	-13.00	46.42	126	13	Vertical
6	7050.8571	50.15	-102.95	-52.80	-13.00	39.80	199	101	Vertical



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Test Band = _WCDMA B5_ANT3 TM1
 Test Channel = Low

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1651.4286	62.20	-118.11	-55.91	-13.00	42.91	124	188	Horizontal
2	2482.8571	58.62	-114.85	-56.23	-13.00	43.23	196	236	Horizontal
3	3305.6000	51.21	-112.38	-61.17	-13.00	48.17	234	287	Horizontal
4	4132.0000	50.21	-110.18	-59.97	-13.00	46.97	185	354	Horizontal
5	4958.4000	48.71	-108.21	-59.50	-13.00	46.50	172	339	Horizontal
6	7073.1429	50.32	-103.04	-52.72	-13.00	39.72	199	66	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1652.8000	52.34	-118.10	-65.76	-13.00	52.76	184	256	Vertical
2	2479.2000	59.06	-114.86	-55.80	-13.00	42.80	175	73	Vertical
3	3305.6000	51.12	-112.38	-61.26	-13.00	48.26	126	230	Vertical
4	4132.0000	49.39	-110.18	-60.79	-13.00	47.79	234	230	Vertical
5	4958.4000	50.50	-108.21	-57.71	-13.00	44.71	194	199	Vertical
6	6730.2857	51.05	-103.64	-52.59	-13.00	39.59	188	6	Vertical



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Test Band = _WCDMA B5_ANT3 TM1
 Test Channel = Mid

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1674.2857	67.26	-118.07	-50.81	-13.00	37.81	199	305	Horizontal
2	2510.2857	60.55	-114.69	-54.14	-13.00	41.14	234	246	Horizontal
3	3345.6000	50.52	-112.38	-61.86	-13.00	48.86	188	232	Horizontal
4	4182.0000	49.71	-110.14	-60.43	-13.00	47.43	146	359	Horizontal
5	5018.4000	49.13	-108.10	-58.97	-13.00	45.97	235	357	Horizontal
6	6929.1429	50.22	-103.26	-53.04	-13.00	40.04	188	359	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1674.2857	57.30	-118.07	-60.77	-13.00	47.77	135	334	Vertical
2	2511.4286	60.18	-114.68	-54.50	-13.00	41.50	100	25	Vertical
3	3345.6000	50.39	-112.38	-61.99	-13.00	48.99	175	140	Vertical
4	4182.0000	48.91	-110.14	-61.23	-13.00	48.23	164	299	Vertical
5	5018.4000	48.25	-108.10	-59.85	-13.00	46.85	180	142	Vertical
6	6836.5714	50.44	-103.51	-53.07	-13.00	40.07	129	214	Vertical



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Test Band = _WCDMA B5_ANT3 TM1
 Test Channel = High

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1692	67.71	-118.04	-50.33	-13.00	37.33	184	359	Horizontal
2	2537.1429	58.75	-114.51	-55.76	-13.00	42.76	236	51	Horizontal
3	3386.4000	50.82	-112.37	-61.55	-13.00	48.55	299	219	Horizontal
4	4233.0000	50.25	-109.99	-59.74	-13.00	46.74	186	4	Horizontal
5	5079.6000	47.99	-107.80	-59.81	-13.00	46.81	174	345	Horizontal
6	6772	50.12	-103.58	-53.46	-13.00	40.46	201	191	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1691.4286	57.61	-118.04	-60.43	-13.00	47.43	194	25	Vertical
2	2536.5714	57.89	-114.51	-56.62	-13.00	43.62	175	1	Vertical
3	3386.4000	50.46	-112.37	-61.91	-13.00	48.91	124	128	Vertical
4	4233.0000	50.03	-109.99	-59.96	-13.00	46.96	234	140	Vertical
5	5079.6000	49.19	-107.80	-58.61	-13.00	45.61	198	258	Vertical
6	7225.7143	49.25	-102.44	-53.19	-13.00	40.19	122	357	Vertical



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Test on the worst case:

Field Strength of Spurious Radiation

Test Band = WCDMA 5_ TM1

Test Channel = Low-ANT0

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1652.8	54.26	-118.06	-63.80	-13.00	50.80	162	174	Horizontal
2	2479.2	52.85	-114.31	-61.46	-13.00	48.46	185	123	Horizontal
3	3305.6	50.82	-111.90	-61.08	-13.00	48.08	144	143	Horizontal
4	4132	48.47	-109.76	-61.29	-13.00	48.29	196	174	Horizontal
5	4958.4	51.43	-107.82	-56.39	-13.00	43.39	247	133	Horizontal
6	5784.8	50.43	-105.26	-54.83	-13.00	41.83	182	154	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1652.8	52.91	-118.06	-65.15	-13.00	52.15	261	251	Vertical
2	2479.2	53.06	-114.31	-61.25	-13.00	48.25	185	2	Vertical
3	3305.6	50.59	-111.90	-61.31	-13.00	48.31	264	357	Vertical
4	4132	48.92	-109.76	-60.84	-13.00	47.84	188	145	Vertical
5	4958.4	51.68	-107.82	-56.14	-13.00	43.14	217	136	Vertical
6	5784.8	51.62	-105.26	-53.64	-13.00	40.64	186	219	Vertical



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Test Band = WCDMA 5_TM1
 Test Channel = Low-ANT3

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1652.8	53.58	-118.06	-64.48	-13.00	51.48	185	318	Horizontal
2	2479.2	51.86	-114.31	-62.45	-13.00	49.45	214	338	Horizontal
3	3305.6	51.48	-111.90	-60.42	-13.00	47.42	177	215	Horizontal
4	4132	49.49	-109.76	-60.27	-13.00	47.27	269	359	Horizontal
5	4958.4	50.39	-107.82	-57.43	-13.00	44.43	222	3	Horizontal
6	5784.8	49.97	-105.26	-55.29	-13.00	42.29	133	318	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1652.8	53.43	-118.06	-64.63	-13.00	51.63	261	340	Vertical
2	2479.2	52.28	-114.31	-62.03	-13.00	49.03	141	357	Vertical
3	3305.6	52.28	-111.90	-59.62	-13.00	46.62	196	96	Vertical
4	4132	48.67	-109.76	-61.09	-13.00	48.09	217	218	Vertical
5	4958.4	51.43	-107.82	-56.39	-13.00	43.39	244	251	Vertical
6	5784.8	51.11	-105.26	-54.15	-13.00	41.15	218	357	Vertical



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Test Band = WCDMA 5_ TM1
 Test Channel = Mid-ANT0

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1672.8	54.75	-118.01	-63.26	-13.00	50.26	162	346	Horizontal
2	2509.2	53.81	-114.12	-60.31	-13.00	47.31	185	162	Horizontal
3	3345.6	51.07	-111.99	-60.92	-13.00	47.92	164	355	Horizontal
4	4182	49.99	-109.53	-59.54	-13.00	46.54	175	214	Horizontal
5	5018.4	49.76	-107.59	-57.83	-13.00	44.83	264	327	Horizontal
6	5854.8	50.81	-104.86	-54.05	-13.00	41.05	185	71	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1672.8	55.10	-118.01	-62.91	-13.00	49.91	162	278	Vertical
2	2509.2	54.57	-114.12	-59.55	-13.00	46.55	175	350	Vertical
3	3345.6	50.85	-111.99	-61.14	-13.00	48.14	115	329	Vertical
4	4182	49.45	-109.53	-60.08	-13.00	47.08	245	155	Vertical
5	5018.4	49.87	-107.59	-57.72	-13.00	44.72	196	340	Vertical
6	5854.8	50.99	-104.86	-53.87	-13.00	40.87	244	289	Vertical



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Test Band = WCDMA 5_TM1
 Test Channel = Mid-ANT3

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1672.8	54.13	-118.01	-63.88	-13.00	50.88	296	165	Horizontal
2	2509.2	54.55	-114.12	-59.57	-13.00	46.57	248	236	Horizontal
3	3345.6	51.77	-111.99	-60.22	-13.00	47.22	302	205	Horizontal
4	4182	49.08	-109.53	-60.45	-13.00	47.45	145	113	Horizontal
5	5018.4	50.08	-107.59	-57.51	-13.00	44.51	284	194	Horizontal
6	5854.8	51.17	-104.86	-53.69	-13.00	40.69	178	20	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1672.8	55.35	-118.01	-62.66	-13.00	49.66	261	190	Vertical
2	2509.2	54.06	-114.12	-60.06	-13.00	47.06	185	98	Vertical
3	3345.6	50.89	-111.99	-61.10	-13.00	48.10	142	96	Vertical
4	4182	48.53	-109.53	-61.00	-13.00	48.00	265	229	Vertical
5	5018.4	50.25	-107.59	-57.34	-13.00	44.34	188	10	Vertical
6	5854.8	51.82	-104.86	-53.04	-13.00	40.04	217	127	Vertical



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Test Band = WCDMA 5_TM1
 Test Channel = High-ANT0

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1693.2	55.08	-117.96	-62.88	-13.00	49.88	261	340	Horizontal
2	2539.8	52.56	-114.16	-61.60	-13.00	48.60	185	347	Horizontal
3	3386.4	52.63	-112.07	-59.44	-13.00	46.44	294	82	Horizontal
4	4233	48.81	-109.40	-60.59	-13.00	47.59	175	176	Horizontal
5	5079.6	49.40	-107.33	-57.93	-13.00	44.93	244	353	Horizontal
6	5926.2	50.77	-104.59	-53.82	-13.00	40.82	302	228	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1693.2	55.99	-117.96	-61.97	-13.00	48.97	261	278	Vertical
2	2539.8	56.22	-114.16	-57.94	-13.00	44.94	145	329	Vertical
3	3386.4	50.85	-112.07	-61.22	-13.00	48.22	264	21	Vertical
4	4233	49.39	-109.40	-60.01	-13.00	47.01	185	50	Vertical
5	5079.6	50.85	-107.33	-56.48	-13.00	43.48	277	247	Vertical
6	5926.2	52.35	-104.59	-52.24	-13.00	39.24	172	0	Vertical



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Test Band = WCDMA 5_TM1
 Test Channel = High-ANT3

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1693.2	54.44	-117.96	-63.52	-13.00	50.52	186	10	Horizontal
2	2539.8	53.50	-114.16	-60.66	-13.00	47.66	294	112	Horizontal
3	3386.4	50.47	-112.07	-61.60	-13.00	48.60	175	205	Horizontal
4	4233	49.75	-109.40	-59.65	-13.00	46.65	264	70	Horizontal
5	5079.6	50.75	-107.33	-56.58	-13.00	43.58	175	205	Horizontal
6	5926.2	51.80	-104.59	-52.79	-13.00	39.79	217	360	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1693.2	58.72	-117.96	-59.24	-13.00	46.24	264	278	Vertical
2	2539.8	55.99	-114.16	-58.17	-13.00	45.17	185	340	Vertical
3	3386.4	50.62	-112.07	-61.45	-13.00	48.45	264	309	Vertical
4	4233	49.64	-109.40	-59.76	-13.00	46.76	185	186	Vertical
5	5079.6	51.24	-107.33	-56.09	-13.00	43.09	241	357	Vertical
6	5926.2	51.37	-104.59	-53.22	-13.00	40.22	175	0	Vertical



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Frequency Stability

Test Result

Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band2	9400	VL	NT	-0.16	-0.000085	PASS
Band2	9400	VN	NT	0.28	0.000149	PASS
Band2	9400	VH	NT	0.01	0.000005	PASS

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	4182	VL	NT	-0.09	-0.000108	±2.5	PASS
Band5	4182	VN	NT	-0.14	-0.000167	±2.5	PASS
Band5	4182	VH	NT	-0.32	-0.000383	±2.5	PASS



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Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band2	9400	NV	-30	0.14	0.000074	PASS
Band2	9400	NV	-20	-0.11	-0.000059	PASS
Band2	9400	NV	0	-0.40	-0.000213	PASS
Band2	9400	NV	10	-0.37	-0.000197	PASS
Band2	9400	NV	20	-0.26	-0.000138	PASS
Band2	9400	NV	30	-0.16	-0.000085	PASS
Band2	9400	NV	40	-0.14	-0.000074	PASS
Band2	9400	NV	50	-0.24	-0.000128	PASS

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	4182	NV	-30	-0.69	-0.000825	±2.5	PASS
Band5	4182	NV	-20	0.05	0.000060	±2.5	PASS
Band5	4182	NV	0	0.09	0.000108	±2.5	PASS
Band5	4182	NV	10	0.02	0.000024	±2.5	PASS
Band5	4182	NV	20	-0.06	-0.000072	±2.5	PASS
Band5	4182	NV	30	-0.04	-0.000048	±2.5	PASS
Band5	4182	NV	40	0.02	0.000024	±2.5	PASS
Band5	4182	NV	50	0.01	0.000012	±2.5	PASS

The End



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