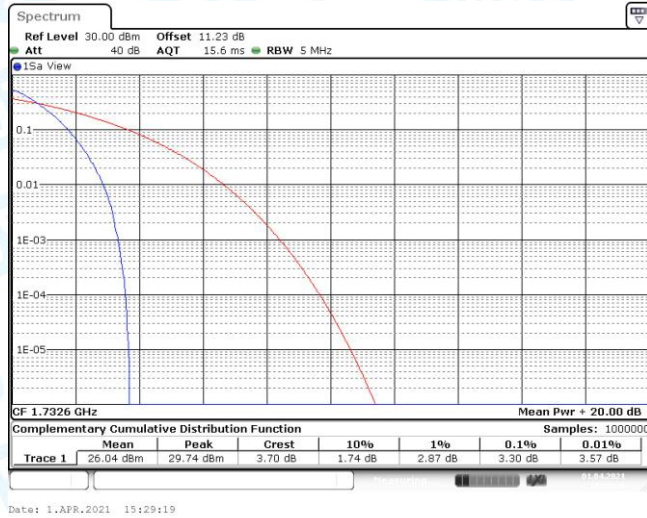


Test Graphs(WCDMA)

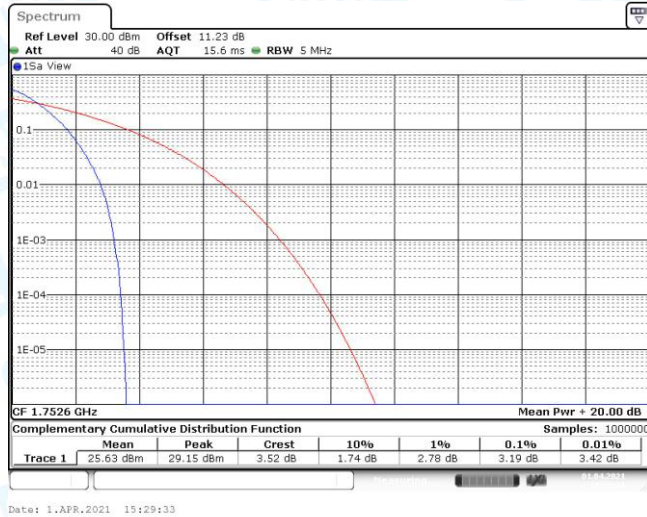
Band4-1312



Band4-1413

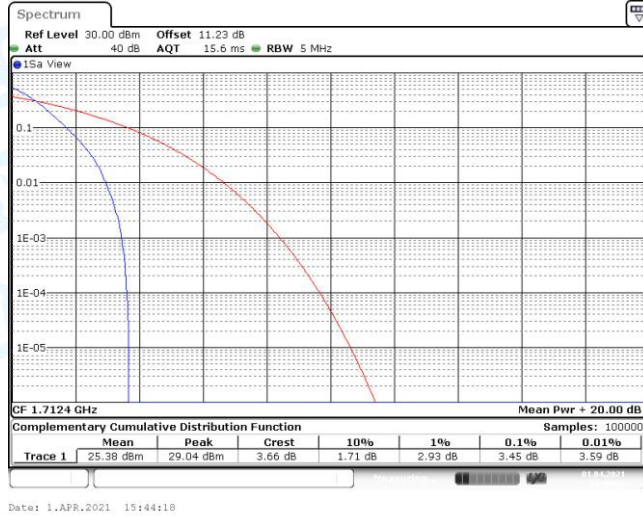


Band4-1513

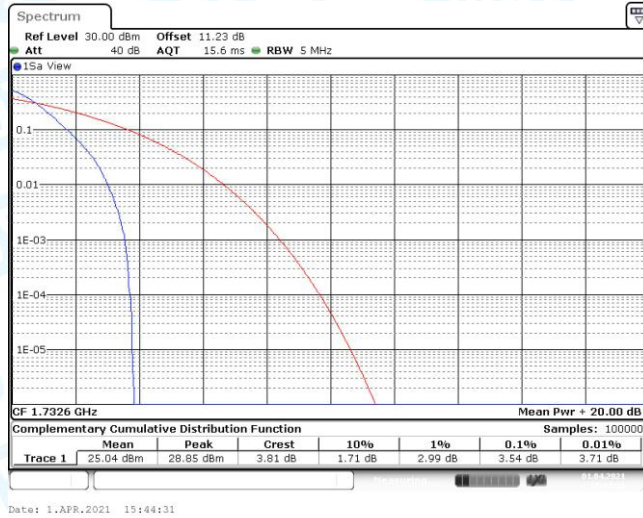


Test Graphs(HSDPA)

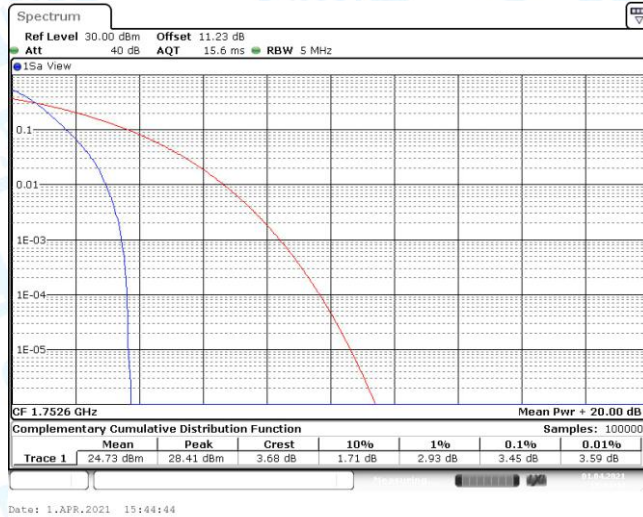
Band4-1312



Band4-1413

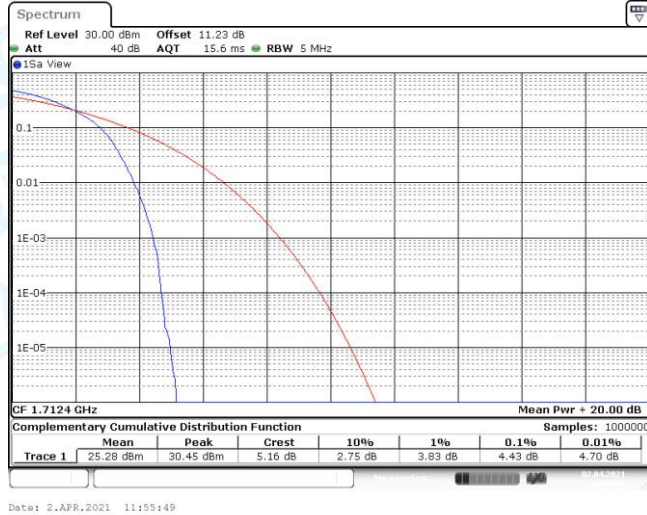


Band4-1513

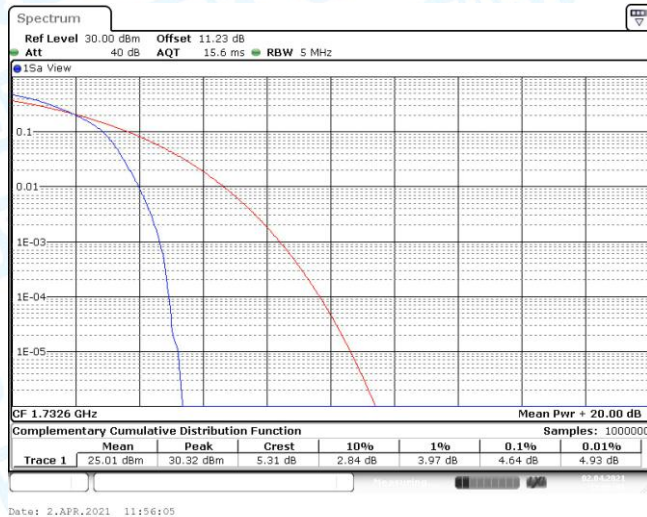


Test Graphs(HSUPA)

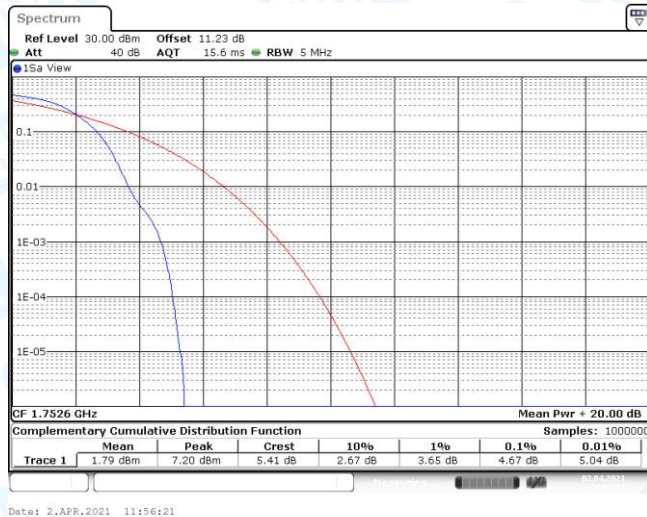
Band4-1312



Band4-1413



Band4-1513



Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band5	4132	3.25	13	PASS
Band5	4183	3.13	13	PASS
Band5	4233	3.33	13	PASS

Test Result(HSDPA)

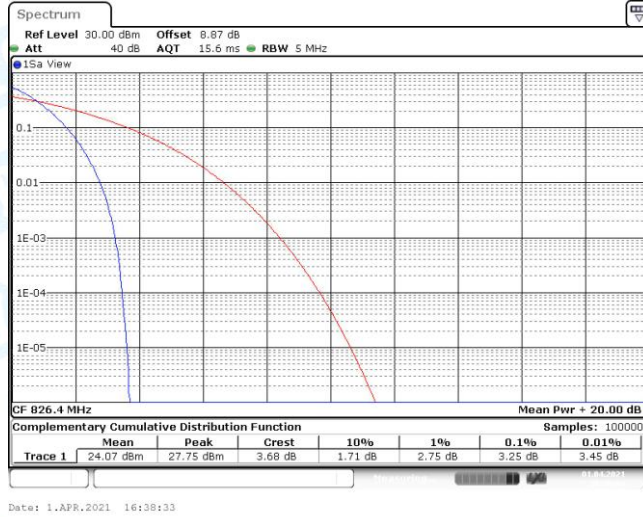
Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band5	4132	3.36	13	PASS
Band5	4183	3.36	13	PASS
Band5	4233	3.48	13	PASS

Test Result(HSUPA)

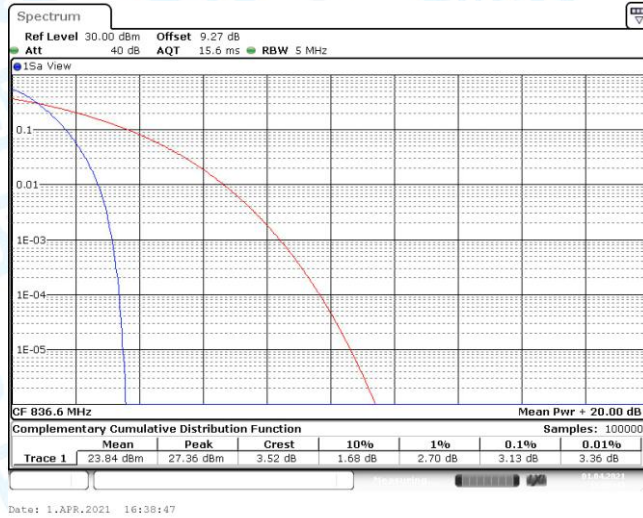
Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band5	4132	4.49	13	PASS
Band5	4183	4.43	13	PASS
Band5	4233	4.7	13	PASS

Test Graphs(WCDMA)

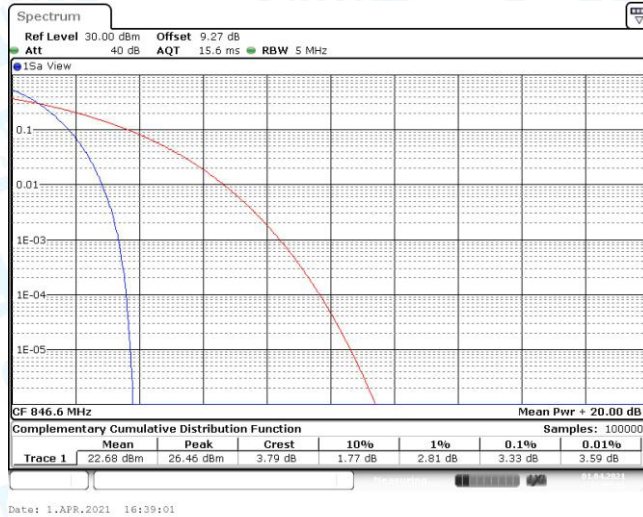
Band5-4132



Band5-4183

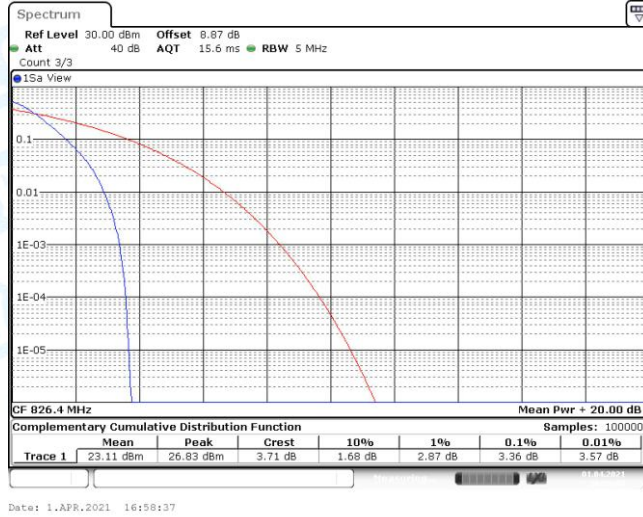


Band5-4233

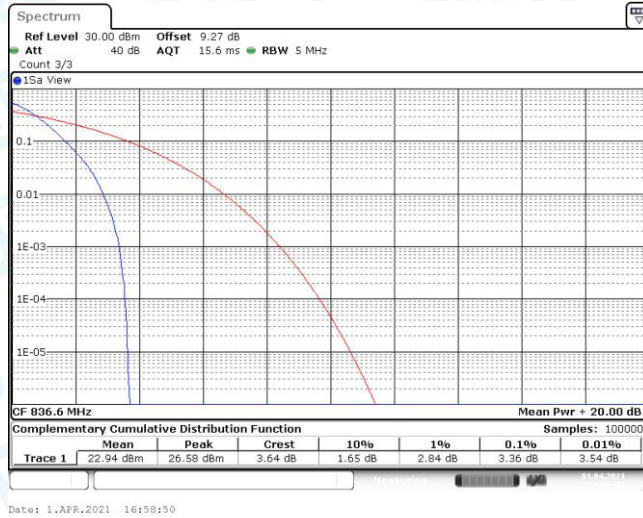


Test Graphs(HSDPA)

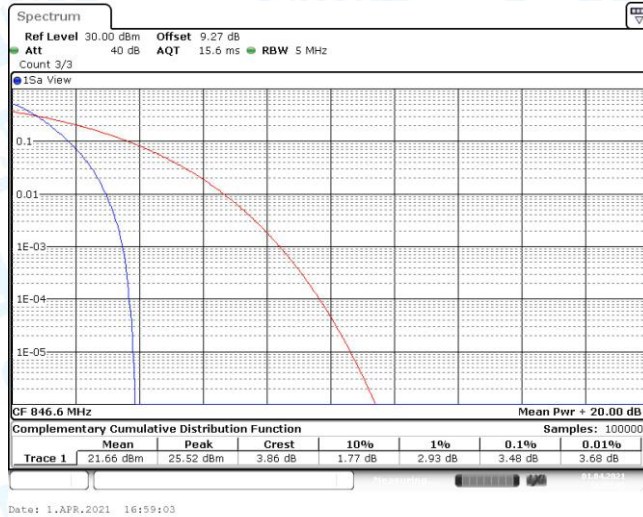
Band5-4132



Band5-4183



Band5-4233

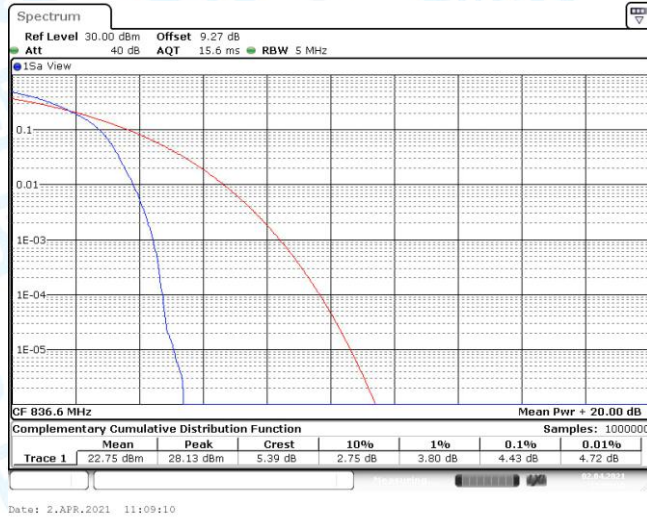


Test Graphs(HSUPA)

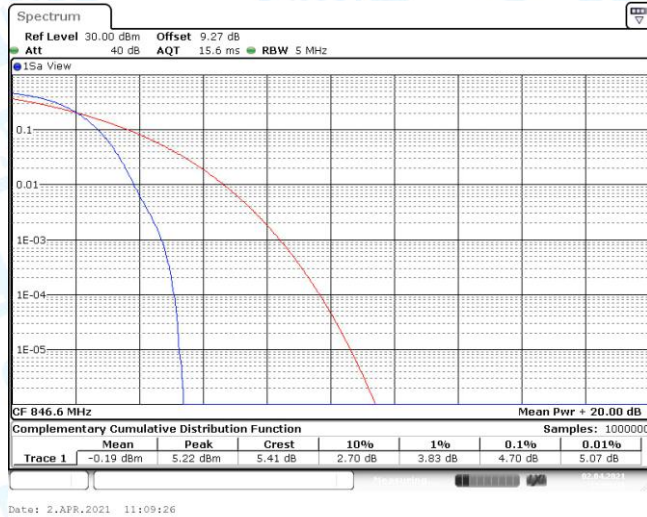
Band5-4132



Band5-4183



Band5-4233



Attachment D-- Radiated Output Power

Measurement Data (worst case)

GSM 850								
Mode	Channel	Frequency (MHz)	Antenna (H&V)	SG Level (dBm)	Antenna Factor (dBd)	Cable Loss (dB)	ERP Power (dBm)	ERP Power (W)
GSM 850	128	824.2	H	30.34	3.46	1.26	32.54	1.795
			V	27.05	3.46	1.26	29.25	0.841
	190	836.6	H	29.91	3.82	1.26	32.47	1.766
			V	26.13	3.82	1.26	28.69	0.740
	251	848.8	H	29.45	4.16	1.26	32.35	1.718
			V	25.56	4.16	1.26	28.46	0.701
GPRS 850 (1 Slot)	128	824.2	H	30.67	3.46	1.26	32.87	1.936
			V	25.66	3.46	1.26	27.86	0.611
	190	836.6	H	29.58	3.82	1.26	32.14	1.637
			V	25.33	3.82	1.26	27.89	0.615
	251	848.8	H	29.36	4.16	1.26	32.26	1.683
			V	25.32	4.16	1.26	28.22	0.664
EDGE 850 (1 Slot)	128	824.2	H	23.16	3.46	1.26	25.36	0.344
			V	19.65	3.46	1.26	21.85	0.153
	190	836.6	H	23.13	3.82	1.26	25.69	0.371
			V	19.01	3.82	1.26	21.57	0.144
	251	848.8	H	23.07	4.16	1.26	25.97	0.395
			V	19.24	4.16	1.26	22.14	0.164
Limit							38.5	7

PCS 1900								
Mode	Channel	Frequency (MHz)	Antenna (H&V)	SG Level (dBm)	Antenna Factor (dBi)	Cable Loss (dB)	EIRP Power (dBm)	EIRP Power (W)
GSM 1900	512	1850.2	H	26.94	5.01	2.59	29.36	0.863
			V	23.86	5.01	2.59	26.28	0.425
	661	1880.0	H	27.31	4.82	2.59	29.54	0.899
			V	24.22	4.82	2.59	26.45	0.442
	810	1909.8	H	27.81	4.45	2.59	29.67	0.927
			V	24.26	4.45	2.59	26.12	0.409
GPRS 1900 (1 Slot)	512	1850.2	H	26.27	5.01	2.59	28.69	0.740
			V	23.26	5.01	2.59	25.68	0.370
	661	1880.0	H	26.55	4.82	2.59	28.78	0.755
			V	23.16	4.82	2.59	25.39	0.346
	810	1909.8	H	26.63	4.45	2.59	28.49	0.706
			V	22.49	4.45	2.59	24.35	0.272
EDGE 1900 (1 Slot)	512	1850.2	H	21.43	5.01	2.59	23.85	0.243
			V	17.83	5.01	2.59	20.25	0.106
	661	1880.0	H	21.66	4.82	2.59	23.89	0.245
			V	18.24	4.82	2.59	20.47	0.111
	810	1909.8	H	21.89	4.45	2.59	23.75	0.237
			V	18.79	4.45	2.59	20.65	0.116
Limit							33	2

UMTS Band II								
Mode	Channel	Frequency (MHz)	Antenna (H&V)	SG Level (dBm)	Antenna Factor (dBi)	Cable Loss (dB)	EIRP Power (dBm)	EIRP Power (W)
RMC	9262	1852.4	H	20.15	3.46	1.26	22.35	0.172
			V	17.65	3.46	1.26	19.85	0.097
	9400	1880.0	H	19.82	3.82	1.26	22.38	0.173
			V	17.19	3.82	1.26	19.75	0.094
	9538	1907.6	H	19.48	4.16	1.26	22.38	0.173
			V	16.56	4.16	1.26	19.46	0.088
Limit							33	2

UMTS Band IV								
Mode	Channel	Frequency (MHz)	Antenna (H&V)	SG Level (dBm)	Antenna Factor (dBi)	Cable Loss (dB)	EIRP Power (dBm)	EIRP Power (W)
RMC	1312	1712.4	H	20.26	5.01	2.59	22.68	0.185
			V	17.15	5.01	2.59	19.57	0.091
	1413	1732.6	H	20.11	4.82	2.59	22.34	0.171
			V	17.03	4.82	2.59	19.26	0.084
	1513	1752.6	H	20.66	4.45	2.59	22.52	0.179
			V	17.52	4.45	2.59	19.38	0.087
Limit							30	1

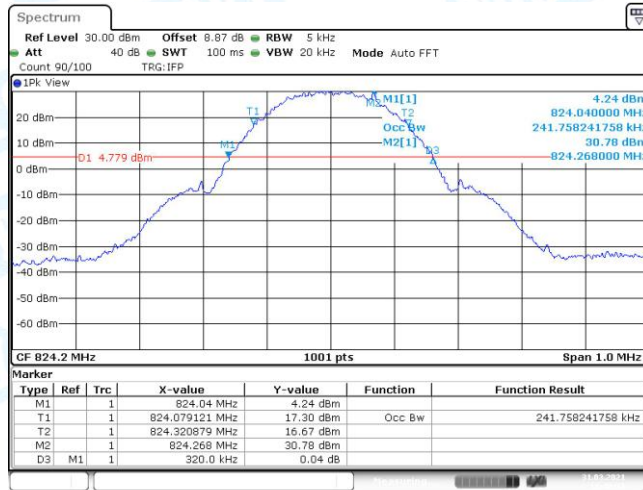
UMTS Band V								
Mode	Channel	Frequency (MHz)	Antenna (H&V)	SG Level (dBm)	Antenna Factor (dBi)	Cable Loss (dB)	ERP Power (dBm)	ERP Power (W)
RMC	4132	826.4	H	19.47	5.01	2.59	21.89	0.155
			V	16.81	5.01	2.59	19.23	0.084
	4183	836.6	H	18.75	4.82	2.59	20.98	0.125
			V	16.73	4.82	2.59	18.96	0.079
	4233	846.6	H	19.92	4.45	2.59	21.78	0.151
			V	17.49	4.45	2.59	19.35	0.086
Limit							38.5	7

Attachment E--Occupied Bandwidth

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GSM850	128	0.242	0.320	---	PASS
GSM850	190	0.244	0.319	---	PASS
GSM850	251	0.243	0.318	---	PASS
GPRS850	128	0.243	0.320	---	PASS
GPRS850	190	0.244	0.317	---	PASS
GPRS850	251	0.244	0.320	---	PASS
EGPRS850	128	0.244	0.316	---	PASS
EGPRS850	190	0.246	0.315	---	PASS
EGPRS850	251	0.245	0.315	---	PASS
GSM1900	512	0.245	0.320	---	PASS
GSM1900	661	0.245	0.323	---	PASS
GSM1900	810	0.244	0.318	---	PASS
GPRS1900	512	0.244	0.321	---	PASS
GPRS1900	661	0.244	0.320	---	PASS
GPRS1900	810	0.244	0.320	---	PASS
EGPRS1900	512	0.24	0.314	---	PASS
EGPRS1900	661	0.245	0.316	---	PASS
EGPRS1900	810	0.243	0.313	---	PASS

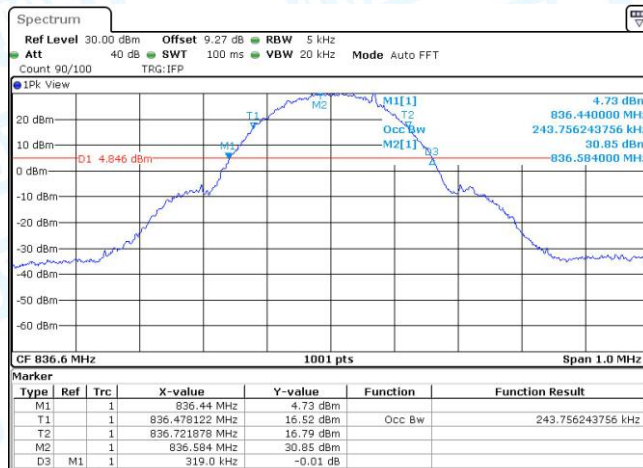
Test Graphs

GSM850-128-3-0.320



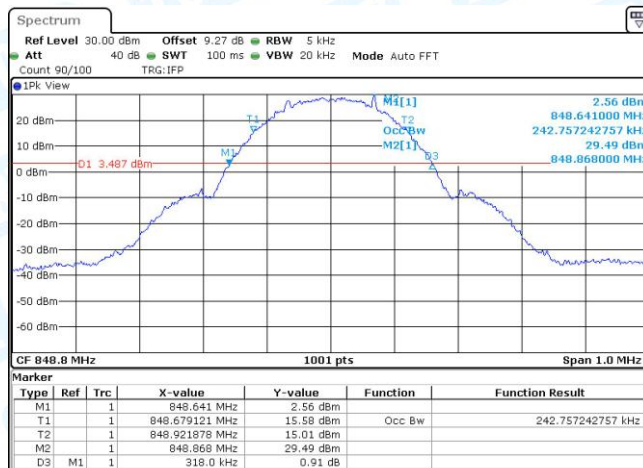
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GSM850-190-3-0.319



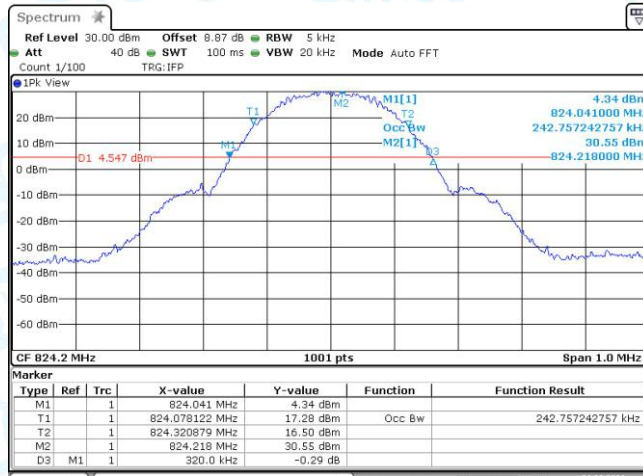
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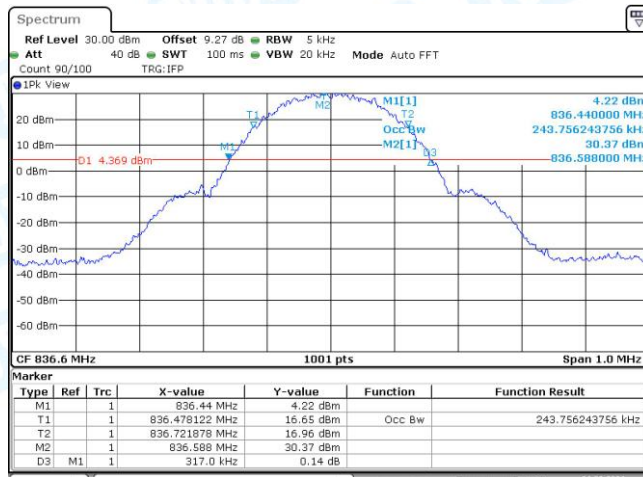


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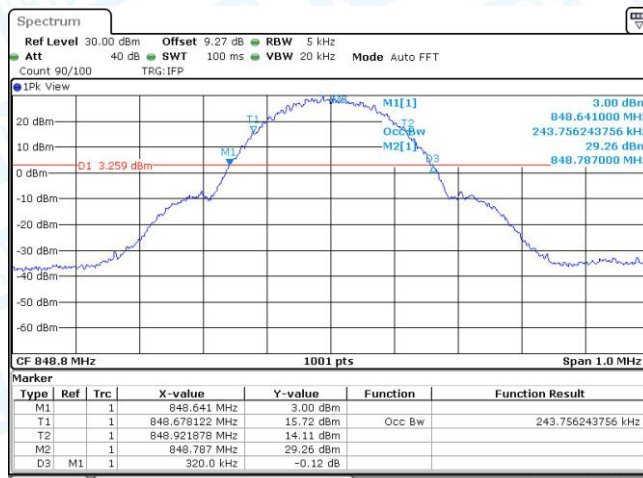
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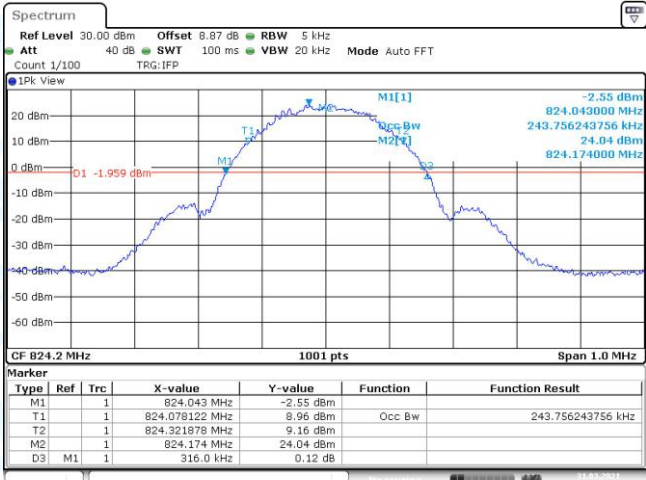
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GPRS850-251-3-0.320

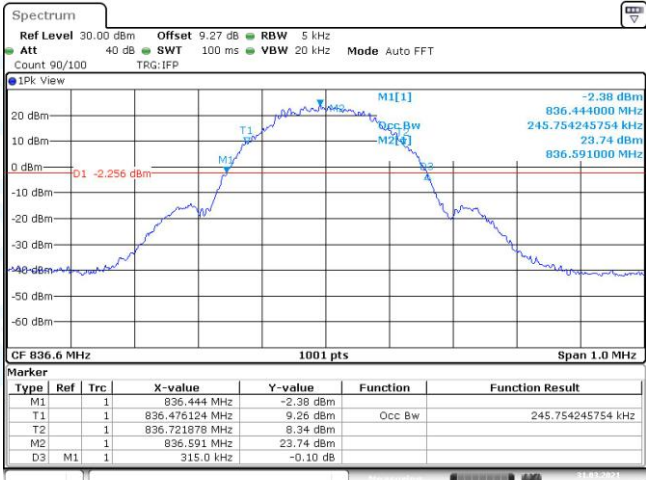


EGPRS850-128-8-0.316



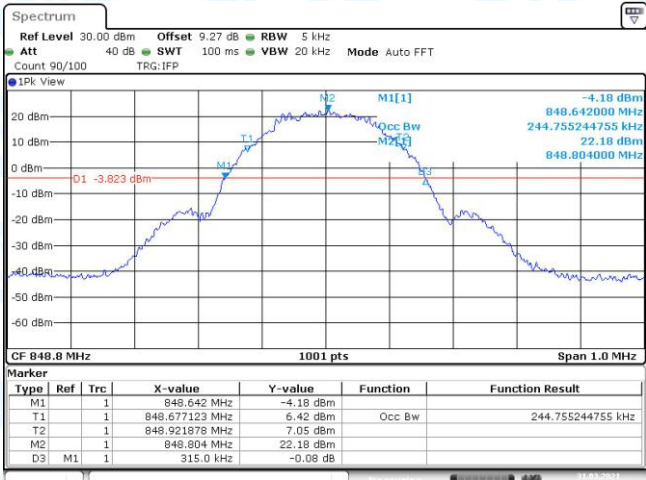
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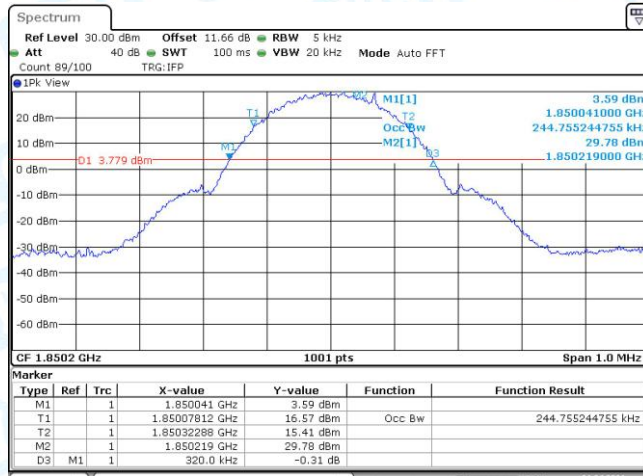
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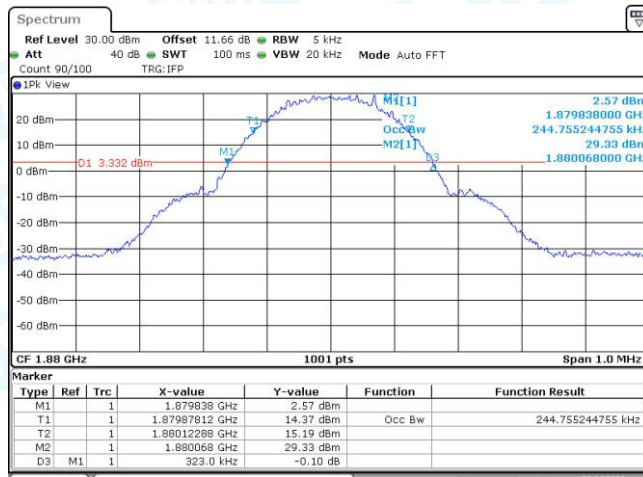


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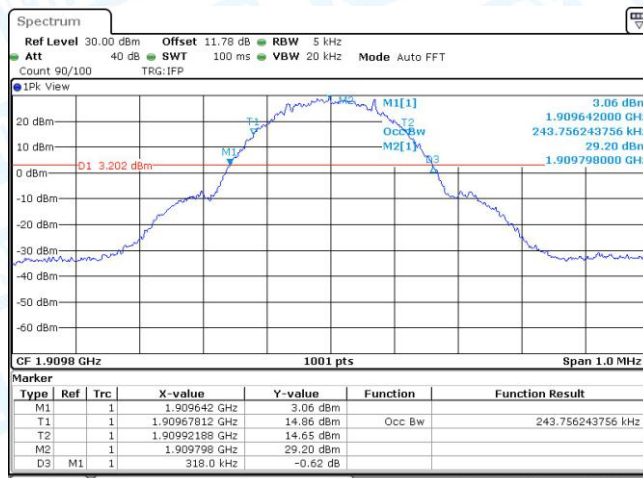
GSM1900-512-0-0.320



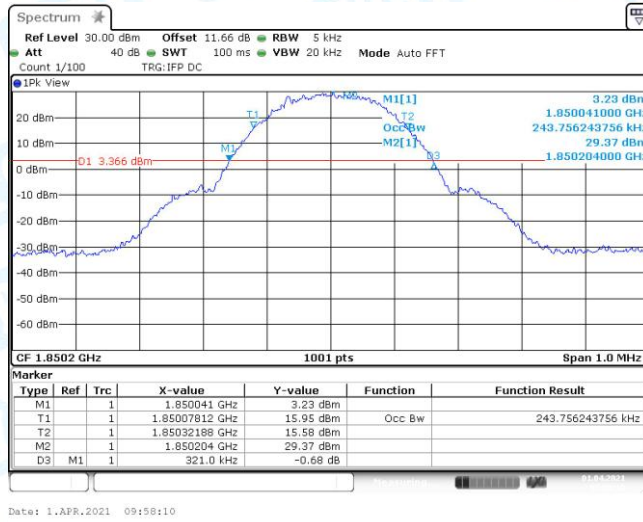
GSM1900-661-0-0.323



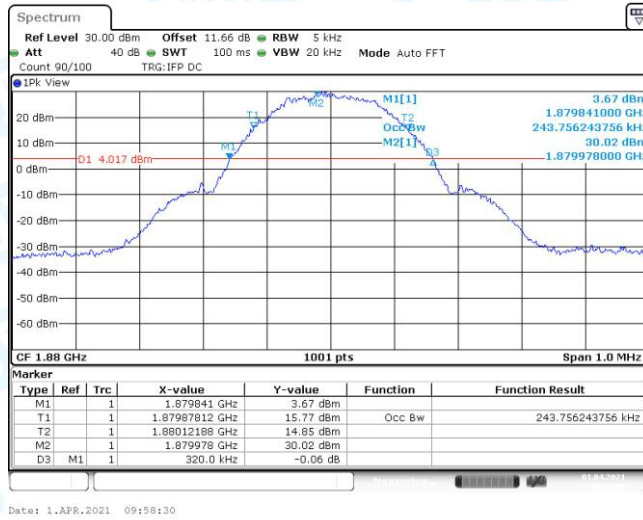
GSM1900-810-0-0.318



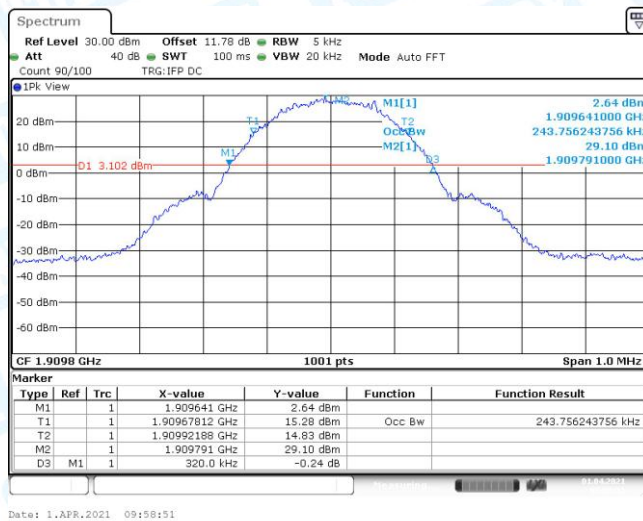
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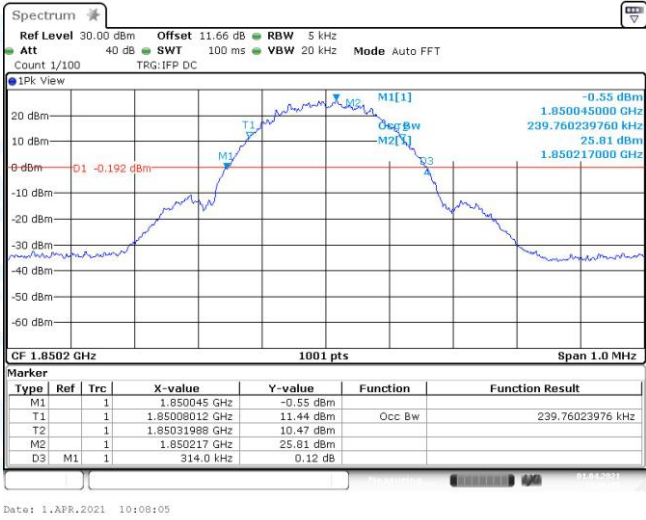
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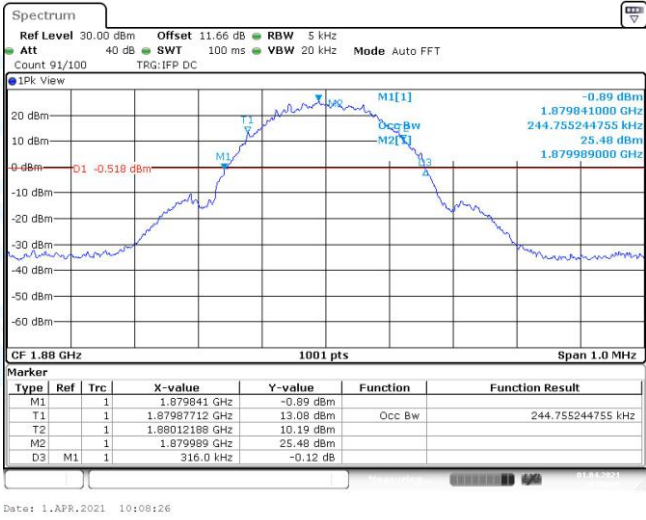
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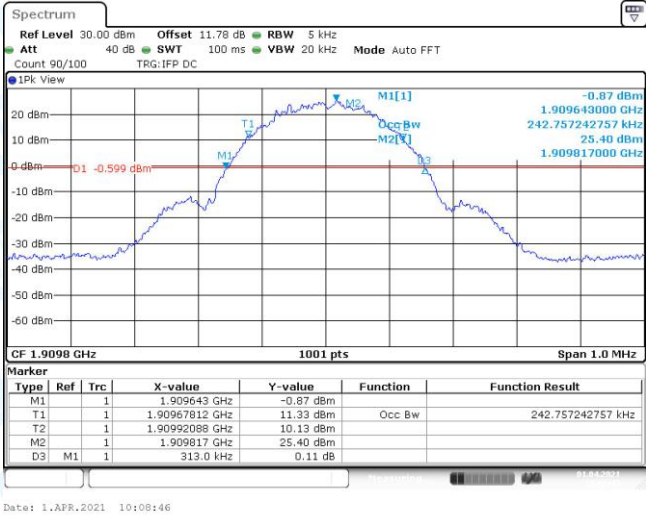
EGPRS1900-512-2-0.314



EGPRS1900-661-2-0.316



EGPRS1900-810-2-0.313



Test Result(WCDMA)

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band2	9262	4.116	4.700	---	PASS
Band2	9400	4.106	4.710	---	PASS
Band2	9538	4.116	4.720	---	PASS

Test Result(HSDPA)

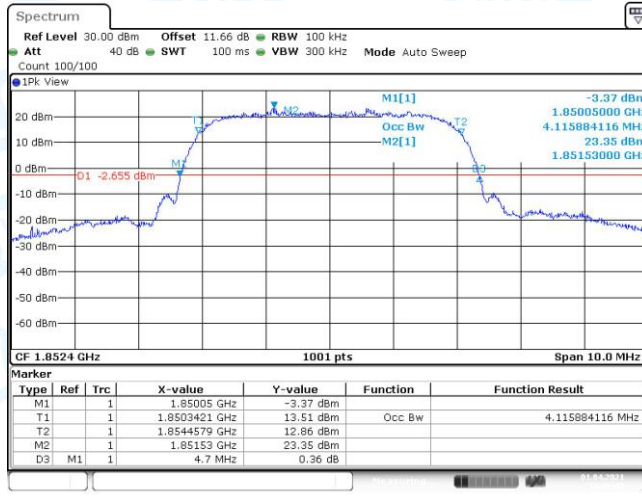
Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band2	9262	4.116	4.710	---	PASS
Band2	9400	4.106	4.720	---	PASS
Band2	9538	4.106	4.710	---	PASS

Test Result(HSUPA)

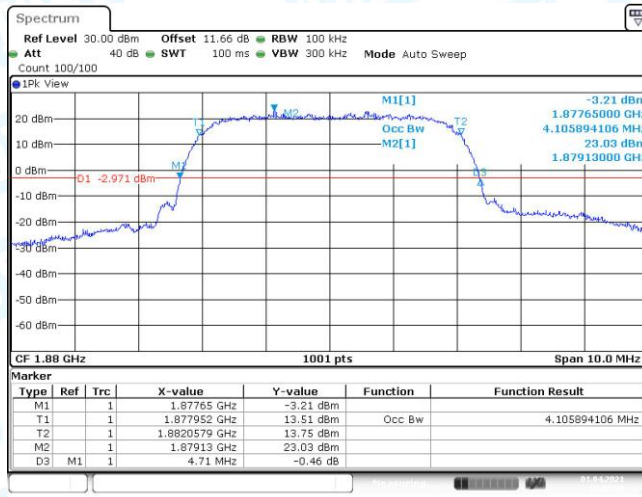
Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band2	9262	4.116	4.720	---	PASS
Band2	9400	4.106	4.720	---	PASS
Band2	9538	4.146	4.740	---	PASS

Test Graphs(WCDMA)

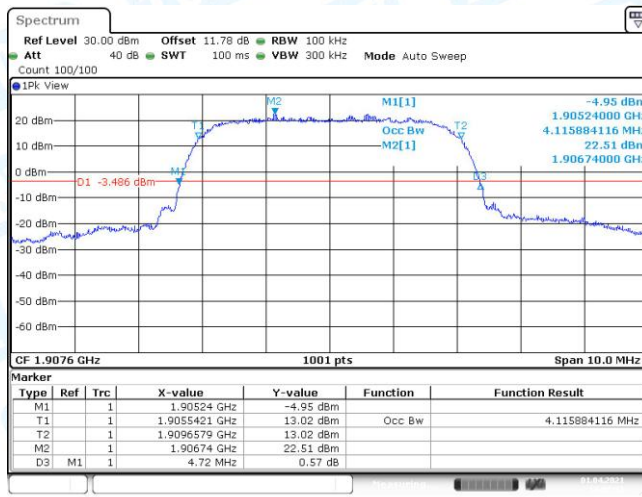
Band2-9262-4.700



Band2-9400-4.710

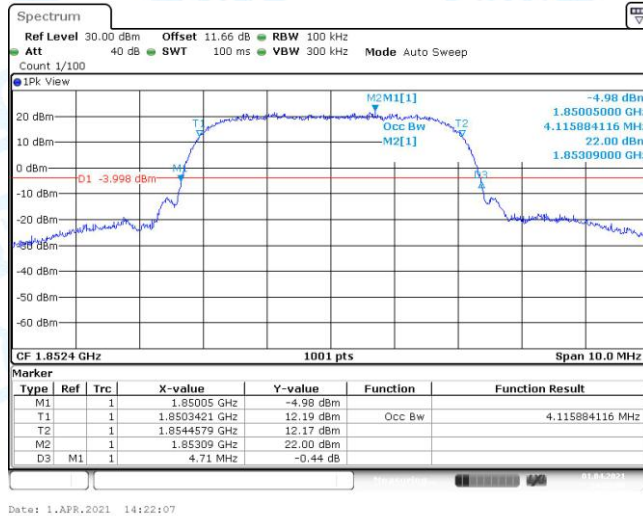


Band2-9538-4.720

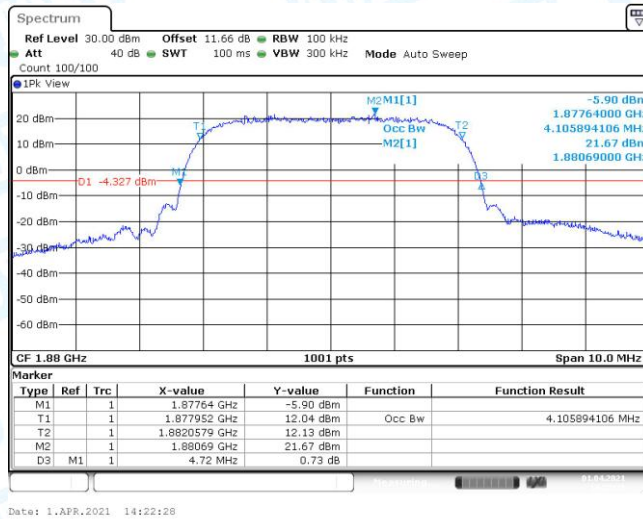


Test Graphs(HSDPA)

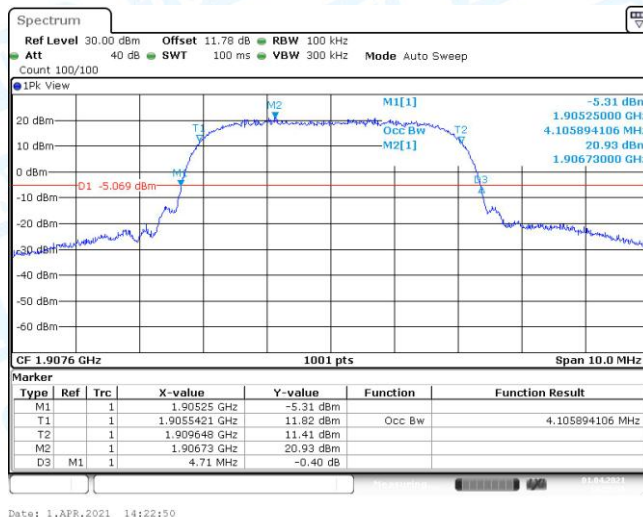
Band2-9262-1-4.710



Band2-9400-1-4.720

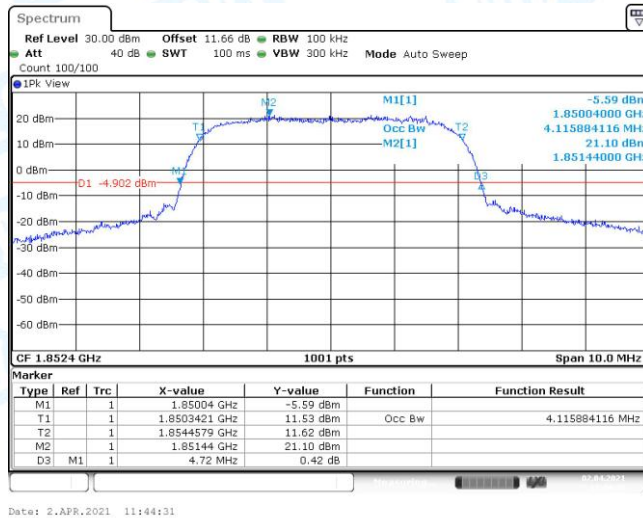


Band2-9538-1-4.710

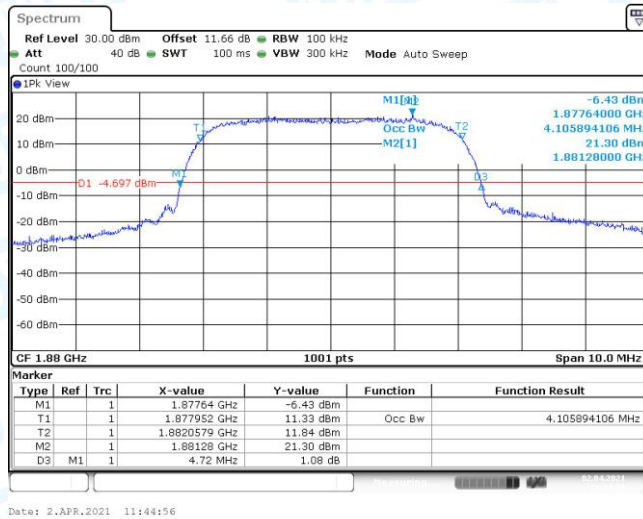


Test Graphs(HSUPA)

Band2-9262-5-4.720



Band2-9400-5-4.720



Band2-9538-5-4.740

